

TABLE L110. Incidence rates<sup>1</sup> for nonfatal occupational injuries and illnesses involving days away from work<sup>2</sup> per 10,000 full-time workers by event or exposure leading to injury or illness and age of worker, local government, 2009

Event or exposure	Event code <sup>3</sup>	Local government <sup>4</sup>	Age						
			16 - 19	20 - 24	25 - 34	35 - 44	45 - 54	55 - 64	65 and over
Total .....		184.8	245.5	151.2	163.6	206.3	204.4	161.0	156.4
<b>Contact with objects and equipment .....</b>	0	30.9	24.3	25.7	31.8	37.2	32.8	23.2	23.2
Contact with objects and equipment, unspecified	00	.5	—	.3	.5	1.1	.3	.3	.6
Struck against object or equipment .....	01	10.5	14.1	10.4	9.9	11.5	11.4	8.1	4.4
Struck against object or equipment, unspecified .....	010	.4	—	.6	.6	.4	.3	.3	—
Stepped on object .....	011	2.1	4.1	.4	1.2	2.3	3.6	1.6	.8
Struck against stationary object or equipment	012	5.1	—	4.1	5.1	5.5	5.0	2.8	2.0
Struck against moving object or equipment ....	013	.5	6.3	.4	.4	.4	.5	.4	.8
Struck against object or equipment, n.e.c. ....	019	2.5	2.1	5.0	2.6	2.9	2.0	3.0	.7
Struck by object or equipment .....	02	15.2	6.3	12.7	17.2	17.1	17.0	11.3	11.4
Struck by object or equipment, unspecified ....	020	.5	—	—	.4	.4	.6	.5	—
Struck by falling object or equipment .....	021	6.5	—	2.8	9.8	7.1	6.5	4.9	6.3
Struck by flying object .....	022	1.6	—	2.1	1.7	1.8	1.6	1.6	.5
Struck by flying object, unspecified .....	0220	.3	—	—	.2	.4	.5	.1	—
Struck by dislodged flying object, particle ...	0221	.8	—	.5	1.0	.9	.5	1.0	—
Struck by discharged object or substance ...	0222	.2	—	1.2	.3	.2	.2	.1	—
Struck by flying object, n.e.c. ....	0229	.3	—	—	.3	.2	.3	.2	—
Struck by swinging or slipping object .....	023	4.3	2.4	5.4	3.1	4.8	5.9	3.3	3.7
Struck by swinging or slipping object, unspecified .....	0230	.1	—	—	.3	—	—	.2	—
Struck by or slammed in swinging door or gate .....	0231	2.1	—	2.5	1.3	2.0	3.5	1.5	1.4
Struck by slipping handheld object .....	0232	1.9	—	2.7	1.3	2.6	2.1	1.2	1.6
Struck by swinging or slipping object, n.e.c.	0239	.3	—	—	.3	.2	.2	.3	—
Struck by rolling, sliding objects or equipment on floor or ground level .....	024	.2	—	—	.2	.3	.3	.2	—
Struck by object or equipment, n.e.c. ....	029	2.0	—	2.4	1.9	2.7	2.3	.9	.9
Caught in or compressed by equipment or objects .....	03	3.3	—	1.6	2.2	5.9	2.9	2.6	5.4
Caught in or compressed by equipment or objects, unspecified .....	030	.4	—	—	.3	.7	.2	.5	—
Caught in running equipment or machinery ....	031	.3	—	.6	.3	.2	.4	.5	—
Compressed or pinched by rolling, sliding, or shifting objects .....	032	.5	—	—	.4	.5	.5	.8	—
Caught in or compressed by equipment or objects, n.e.c. ....	039	2.1	—	.6	1.3	4.5	1.9	.8	4.7
Caught in or crushed in collapsing materials .....	04	.1	—	—	.2	—	—	—	—
Excavation or trenching cave-in .....	041	( <sup>5</sup> )	—	—	.1	—	—	—	—
Caught in or crushed in collapsing structure ...	044	( <sup>5</sup> )	—	—	—	—	—	—	—
Rubbed or abraded by friction or pressure .....	05	.8	—	.5	1.7	.8	.5	.5	.5
Rubbed or abraded by kneeling on surface ....	051	( <sup>5</sup> )	—	—	—	.1	—	—	—
Rubbed or abraded by objects being handled	052	( <sup>5</sup> )	—	—	—	—	—	—	—
Rubbed or abraded by foreign matter in eye ...	053	.7	—	—	1.6	.6	.4	.5	—
Rubbed or abraded by friction or pressure, n.e.c. ....	059	( <sup>5</sup> )	—	—	—	.2	—	—	—
Rubbed, abraded, or jarred by vibration .....	06	.3	—	—	.1	.3	.5	.3	1.0

See footnotes at end of table.

TABLE L110. Incidence rates<sup>1</sup> for nonfatal occupational injuries and illnesses involving days away from work<sup>2</sup> per 10,000 full-time workers by event or exposure leading to injury or illness and age of worker, local government, 2009 — Continued

Event or exposure	Event code <sup>3</sup>	Local government <sup>4</sup>	Age						
			16 - 19	20 - 24	25 - 34	35 - 44	45 - 54	55 - 64	65 and over
Rubbed, abraded, or jarred by vehicle or mobile equipment vibration .....	061	0.2	—	—	0.1	0.2	0.4	0.2	1.0
Rubbed, abraded, or jarred by other machine or equipment vibration .....	062	( <sup>5</sup> )	—	—	—	—	—	—	—
Rubbed, abraded, or jarred by vibration, n.e.c. ....	069	( <sup>5</sup> )	—	—	—	—	—	—	—
Contact with objects and equipment, n.e.c. ....	09	.2	—	—	.1	.6	.2	—	—
<b>Falls</b> .....	1	44.7	33.1	21.3	32.6	41.8	52.4	58.2	74.2
Fall, unspecified .....	10	.9	—	1.2	.2	1.0	.8	1.2	2.1
Fall to lower level .....	11	11.6	20.3	2.8	9.0	12.9	12.6	15.5	9.3
Fall to lower level, unspecified .....	110	.2	—	—	—	.1	.6	.1	—
Fall down stairs or steps .....	111	4.7	—	1.3	3.8	5.6	4.2	7.3	3.7
Fall from floor, dock, or ground level .....	112	.7	—	.5	.6	.6	.5	1.0	.5
Fall from floor, dock, or ground level, unspecified .....	1120	.1	—	—	—	—	—	.5	—
Fall through existing floor opening .....	1121	.2	—	—	.4	.2	.1	.2	—
Fall through floor surface .....	1122	.1	—	—	—	—	.1	—	—
Fall from ground level to lower level .....	1124	.1	—	—	—	.2	.2	.1	—
Fall from floor, dock, or ground level, n.e.c. ....	1129	.1	—	—	.1	—	.1	.2	—
Fall from ladder .....	113	1.8	—	—	.8	1.9	1.8	3.6	1.1
Fall from roof .....	115	.2	—	—	—	.2	.5	—	—
Fall from roof, unspecified .....	1150	.1	—	—	—	—	—	—	—
Fall through roof surface .....	1152	.1	—	—	—	—	.5	—	—
Fall from scaffold, staging .....	116	.1	—	—	—	.1	.2	—	—
Fall from building girders or other structural steel .....	117	.1	—	—	—	—	.1	—	—
Fall from nonmoving vehicle .....	118	2.2	—	.5	2.8	3.1	2.0	1.5	1.7
Fall to lower level, n.e.c. ....	119	1.7	17.2	.4	1.0	1.3	2.5	1.7	1.8
Jump to lower level .....	12	1.0	—	1.0	1.9	1.6	.5	.3	—
Jump to lower level, unspecified .....	120	.2	—	—	.8	—	—	—	—
Jump from scaffold, platform, loading dock .....	121	.1	—	—	—	.2	—	—	—
Jump from structure, structural element, n.e.c. ....	122	.2	—	.8	.3	—	.2	—	—
Jump from nonmoving vehicle .....	123	.1	—	—	—	.3	—	.2	—
Jump to lower level, n.e.c. ....	129	.4	—	—	.3	1.1	.2	—	—
Fall on same level .....	13	30.7	11.6	16.3	21.0	26.1	37.2	40.9	62.7
Fall on same level, unspecified .....	130	.2	—	—	.1	—	.2	.6	.8
Fall to floor, walkway, or other surface .....	131	27.2	11.1	14.0	18.4	22.7	33.4	36.0	57.9
Fall onto or against objects .....	132	3.0	—	2.3	2.2	3.3	3.2	3.8	3.9
Fall on same level, n.e.c. ....	139	.2	—	—	.2	.1	.4	.4	—
Fall, n.e.c. ....	19	.6	—	—	.4	.1	1.5	.4	—
<b>Bodily reaction and exertion</b> .....	2	68.4	99.8	58.7	54.5	82.3	82.9	58.5	42.6
Bodily reaction and exertion, unspecified .....	20	2.8	—	4.3	3.4	2.7	4.0	1.0	—
Bodily reaction .....	21	27.8	30.6	25.6	23.0	33.4	33.5	23.0	22.6
Bodily reaction, unspecified .....	210	1.3	—	—	.8	2.0	1.4	1.2	—

See footnotes at end of table.

TABLE L110. Incidence rates<sup>1</sup> for nonfatal occupational injuries and illnesses involving days away from work<sup>2</sup> per 10,000 full-time workers by event or exposure leading to injury or illness and age of worker, local government, 2009 — Continued

Event or exposure	Event code <sup>3</sup>	Local government <sup>4</sup>	Age						
			16 - 19	20 - 24	25 - 34	35 - 44	45 - 54	55 - 64	65 and over
Bending, climbing, crawling, reaching, twisting	211	9.8	3.2	12.3	8.6	10.0	12.5	9.6	5.6
Sudden reaction when surprised, frightened, startled	212	.2	—	—	—	.2	.2	.4	—
Running without other incident	213	1.5	—	.9	1.3	3.1	1.7	.5	—
Sitting	214	.2	—	—	—	.1	.3	.1	—
Slip, trip, loss of balance without fall	215	7.9	11.5	6.9	5.6	9.3	9.0	7.0	11.7
Standing	216	.2	—	—	—	.2	.2	.3	—
Walking without other incident	217	1.2	12.4	—	1.1	1.2	1.3	1.1	1.3
Bodily reaction, n.e.c.	219	5.6	—	4.8	5.5	7.3	6.8	2.9	3.4
Overexertion	22	33.4	68.8	26.9	25.9	40.8	40.7	27.6	18.1
Overexertion, unspecified	220	2.2	—	2.8	1.8	2.9	2.6	1.5	1.7
Overexertion in lifting	221	15.8	62.2	11.8	12.8	19.4	17.6	13.7	9.5
Overexertion in pulling or pushing objects	222	5.4	—	2.6	3.0	7.8	7.1	3.6	1.5
Overexertion in holding, carrying, turning, or wielding objects	223	7.5	3.2	6.5	6.6	7.8	9.6	7.0	4.8
Overexertion in throwing objects	224	.5	—	—	.4	.6	.6	.6	—
Overexertion, n.e.c.	229	2.1	—	2.6	1.3	2.3	3.2	1.1	—
Repetitive motion	23	3.4	—	.4	1.3	4.1	3.8	6.2	1.3
Repetitive motion, unspecified	230	.7	—	—	.2	.8	.9	1.0	—
Typing or key entry	231	.6	—	—	—	.3	.8	1.3	.6
Repetitive use of tools	232	.7	—	—	.2	1.6	.5	1.0	—
Repetitive placing, grasping, or moving objects, except tools	233	1.1	—	—	.7	1.2	1.0	2.3	—
Repetitive motion, n.e.c.	239	.4	—	—	.2	.2	.6	.6	—
Bodily conditions, n.e.c.	25	.7	—	.4	.8	.9	.7	.6	—
Bodily reaction and exertion, n.e.c.	29	.3	—	1.1	.2	.4	.2	.1	—
<b>Exposure to harmful substances or environments</b>	<b>3</b>	<b>8.5</b>	<b>57.1</b>	<b>8.4</b>	<b>8.3</b>	<b>11.3</b>	<b>8.0</b>	<b>5.8</b>	<b>3.8</b>
Exposure to harmful substances or environments, unspecified	30	.3	—	—	.3	.1	.6	.2	—
Contact with electric current	31	.2	—	—	.5	.2	.2	—	—
Contact with electric current of machine, tool, appliance, or light fixture	311	.1	—	—	.1	—	.1	—	—
Contact with wiring, transformers, or other electrical components	312	.1	—	—	.3	—	.1	—	—
Contact with electric current, n.e.c.	319	.1	—	—	.1	.1	—	—	—
Contact with temperature extremes	32	2.6	5.0	1.7	2.5	4.3	1.7	1.8	2.2
Exposure to environmental heat	321	.3	—	.8	.1	.2	.4	.3	—
Contact with hot objects or substances	323	2.3	4.5	1.0	2.4	4.1	1.2	1.6	2.2
Exposure to caustic, noxious, or allergenic substances	34	4.7	52.1	6.1	4.2	5.8	4.7	3.0	1.3
Exposure to caustic, noxious, or allergenic substances, unspecified	340	.9	—	—	1.2	1.1	1.0	.9	—
Inhalation of substance	341	1.3	—	.5	.4	2.3	1.5	.9	—
Inhalation of substance, unspecified	3410	.5	—	—	—	.1	1.0	.6	—
Inhalation in enclosed, restricted, or confined space	3411	.4	—	—	.1	1.6	.2	—	—

See footnotes at end of table.

TABLE L110. Incidence rates<sup>1</sup> for nonfatal occupational injuries and illnesses involving days away from work<sup>2</sup> per 10,000 full-time workers by event or exposure leading to injury or illness and age of worker, local government, 2009 — Continued

Event or exposure	Event code <sup>3</sup>	Local government <sup>4</sup>	Age						
			16 - 19	20 - 24	25 - 34	35 - 44	45 - 54	55 - 64	65 and over
Inhalation in open or nonconfined space .....	3412	0.4	—	0.5	0.2	0.7	0.4	0.2	—
Contact with skin or other exposed tissue .....	342	1.1	4.5	2.0	1.1	1.4	1.3	.7	0.6
Injections, stings, venomous bites .....	343	1.0	47.2	2.1	.8	.4	.7	.4	—
Injections, stings, venomous bites, unspecified .....	3430	.1	—	—	—	.1	.1	—	—
Bee, wasp, hornet sting .....	3432	.7	47.2	1.9	.4	.2	.4	.3	—
Other stings or venomous bites .....	3433	.1	—	—	.3	—	.2	.2	—
Injections, stings, venomous bites, n.e.c. ....	3439	( <sup>5</sup> )	—	—	.1	—	—	—	—
Exposure to caustic, noxious, or allergenic substances, n.e.c. ....	349	.3	—	1.4	.2	.6	.1	.1	—
Exposure to noise .....	35	.1	—	—	—	—	—	.2	—
Exposure to noise over time .....	351	( <sup>5</sup> )	—	—	—	—	—	.2	—
Exposure to noise in single incident .....	352	( <sup>5</sup> )	—	—	—	—	—	—	—
Exposure to radiation .....	36	.1	—	—	—	—	.2	.1	—
Exposure to sun .....	361	( <sup>5</sup> )	—	—	—	—	—	—	—
Exposure to welding light .....	362	( <sup>5</sup> )	—	—	—	—	.1	—	—
Exposure to radiation, n.e.c. ....	369	( <sup>5</sup> )	—	—	—	—	.1	—	—
Exposure to traumatic or stressful event, n.e.c. ....	37	.5	—	.4	.5	.8	.4	.4	—
Exposure to harmful substances or environments, n.e.c. ....	39	( <sup>5</sup> )	—	—	—	—	—	—	—
<b>Transportation accidents .....</b>	<b>4</b>	<b>12.8</b>	<b>19.8</b>	<b>14.0</b>	<b>14.4</b>	<b>17.6</b>	<b>10.5</b>	<b>7.3</b>	<b>6.6</b>
Transportation accident, unspecified .....	40	1.7	—	—	3.4	2.3	1.8	.2	—
Highway accident .....	41	8.7	13.1	12.2	8.6	12.8	6.8	4.2	2.9
Highway incident, unspecified .....	410	1.1	—	1.8	2.6	.6	.7	.1	—
Collision between vehicles, mobile equipment, unspecified .....	411	6.2	9.9	6.7	4.5	9.8	5.1	3.4	2.6
Re-entrant collision .....	4111	.2	—	—	.1	.4	—	.1	—
Moving in same direction .....	4112	1.8	8.2	1.3	1.3	3.3	1.8	.9	1.5
Moving in opposite directions, oncoming ....	4113	.4	—	—	.3	.9	.3	.3	—
Moving in intersection .....	4114	.7	—	—	.4	1.6	.7	.3	.6
Moving and standing vehicle, mobile equipment in roadway .....	4115	1.1	—	2.0	.5	.6	.6	.3	—
Moving and standing vehicle, mobile equipment side of road .....	4116	.2	—	—	—	.4	.1	.2	—
Collision between vehicles, mobile equipment, n.e.c. ....	4119	.2	—	—	.2	.4	.3	.1	—
Vehicle struck object in roadway .....	412	.1	—	—	—	.1	.2	—	—
Vehicle struck object on side of road .....	413	.5	—	2.2	.6	1.1	—	.1	—
Noncollision accident .....	414	.8	—	1.3	.9	1.0	.8	.5	—
Jack-knifed or overturned no collision .....	4141	.2	—	.8	.2	.1	.1	.1	—
Ran off highway no collision .....	4142	.1	—	—	—	.1	.2	—	—
Sudden start or stop, n.e.c. ....	4144	.2	—	.4	.3	.5	.1	—	—
Noncollision accident, n.e.c. ....	4149	.3	—	—	.4	.2	.3	.3	—
Highway accident, n.e.c. ....	419	( <sup>5</sup> )	—	—	—	.1	—	—	—
Nonhighway accident, except rail, air, water .....	42	1.3	—	—	1.1	1.8	.8	2.0	1.1
Collision between vehicles or mobile equipment .....	421	.1	—	—	—	.2	—	.1	—

See footnotes at end of table.

TABLE L110. Incidence rates<sup>1</sup> for nonfatal occupational injuries and illnesses involving days away from work<sup>2</sup> per 10,000 full-time workers by event or exposure leading to injury or illness and age of worker, local government, 2009 — Continued

Event or exposure	Event code <sup>3</sup>	Local government <sup>4</sup>	Age						
			16 - 19	20 - 24	25 - 34	35 - 44	45 - 54	55 - 64	65 and over
Vehicle, mobile equipment struck stationary object .....	422	0.2	—	—	0.5	0.1	0.1	—	—
Noncollision accident .....	423	1.0	—	—	.6	1.3	.6	1.9	0.8
Fall from moving vehicle, mobile equipment .....	4231	.3	—	—	.2	.2	.1	.9	—
Overturned .....	4233	.1	—	—	.1	—	.2	.2	—
Loss of control .....	4234	.1	—	—	.1	.2	.1	—	—
Sudden start or stop, n.e.c. ....	4236	.3	—	—	.1	.6	.1	.4	—
Noncollision accident, n.e.c. ....	4239	.2	—	—	—	.2	.1	.4	.5
Nonhighway accident, n.e.c. ....	429	.1	—	—	—	.2	—	—	—
Pedestrian, nonpassenger struck by vehicle, mobile equipment .....	43	.8	5.1	0.6	.9	.7	.5	.8	2.3
Pedestrian struck by vehicle, mobile equipment, unspecified .....	430	.2	—	—	.3	.3	.1	.2	—
Pedestrian struck by vehicle, mobile equipment in roadway .....	431	.2	—	—	.3	.2	.2	.2	.8
Pedestrian struck by vehicle, mobile equipment on side of road .....	432	( <sup>5</sup> )	—	—	.1	.1	—	—	—
Pedestrian struck by vehicle, mobile equipment in parking lot or non-roadway area .....	433	.3	5.1	—	.2	.1	.2	.3	1.5
Water vehicle accident .....	45	.1	—	—	.1	—	.5	—	—
Fall from ship, boat, n.e.c. ....	453	.1	—	—	—	—	—	—	—
Water vehicle accident, n.e.c. ....	459	( <sup>5</sup> )	—	—	.1	—	—	—	—
Transportation accident, n.e.c. ....	49	.1	—	—	.2	—	.3	—	—
<b>Fires and explosions</b> .....	5	.4	—	—	.3	.5	.3	—	—
Fire or explosion, unspecified .....	50	( <sup>5</sup> )	—	—	—	.1	—	—	—
Fire—unintended or uncontrolled .....	51	.3	—	—	.1	.3	.3	—	—
Fire, unspecified .....	510	.2	—	—	—	.1	.1	—	—
Fire in residence, building, or other structure ..	511	.1	—	—	.1	.2	.1	—	—
Explosion .....	52	.1	—	—	.2	—	—	—	—
Explosion of pressure vessel or piping .....	522	( <sup>5</sup> )	—	—	—	—	—	—	—
Explosion, n.e.c. ....	529	( <sup>5</sup> )	—	—	—	—	—	—	—
<b>Assaults and violent acts</b> .....	6	15.8	9.4	21.1	20.1	14.5	14.8	5.6	5.2
Assaults and violent acts, unspecified .....	60	.3	—	—	.7	.3	.3	—	—
Assaults and violent acts by person(s) .....	61	13.9	3.8	19.6	18.5	13.1	11.0	4.9	4.3
Assaults and violent acts by person(s), unspecified .....	610	4.8	—	1.6	4.3	4.3	1.3	.4	.9
Biting .....	611	.6	—	6.3	.8	.1	.4	.2	—
Hitting, kicking, beating .....	612	3.5	3.4	6.7	4.4	3.1	4.5	1.8	1.4
Shooting .....	613	.1	—	.7	.2	.1	—	—	—
Squeezing, pinching, scratching, twisting .....	614	.4	—	—	.3	.4	.3	.6	—
Stabbing .....	615	( <sup>5</sup> )	—	—	—	—	.1	—	—
Threats or verbal assaults .....	617	.1	—	—	.1	—	.2	.1	—
Assaults and violent acts by person(s), n.e.c. ....	619	4.5	—	3.8	8.4	5.1	4.3	1.8	1.9
Assaults by animals .....	63	1.6	5.6	1.2	.9	1.1	3.5	.7	.9
Assaults by animals, unspecified .....	630	( <sup>5</sup> )	—	—	—	—	—	—	—

See footnotes at end of table.

TABLE L110. Incidence rates<sup>1</sup> for nonfatal occupational injuries and illnesses involving days away from work<sup>2</sup> per 10,000 full-time workers by event or exposure leading to injury or illness and age of worker, local government, 2009 — Continued

Event or exposure	Event code <sup>3</sup>	Local government <sup>4</sup>	Age						
			16 - 19	20 - 24	25 - 34	35 - 44	45 - 54	55 - 64	65 and over
Nonvenomous bites .....	631	1.4	5.6	1.2	0.5	0.9	3.3	0.5	0.8
Assaults by animals, n.e.c. ....	639	.2	—	—	.3	.2	.2	.1	—
<b>Other events or exposures</b> .....	9	.1	—	—	—	.1	.3	—	—
<b>Nonclassifiable</b> .....	9999	3.2	—	1.4	1.6	1.1	2.4	2.4	.7

<sup>1</sup> Incidence rates represent the number of injuries and illnesses per 10,000 full-time workers and were calculated as: (N/EH) x 20,000,000 where

N = number of injuries and illnesses  
 EH = total hours worked by all employees during the calendar year

20,000,000 = base for 10,000 equivalent full-time workers (working 40 hours per week, 50 weeks per year)

<sup>2</sup> Days-away-from-work cases include those that resulted in days away

from work, some of which also included job transfer or restriction.

<sup>3</sup> Based on the Occupational Injury and Illness Classification System developed by the Bureau of Labor Statistics.

<sup>4</sup> Excludes farms with fewer than 11 employees.

<sup>5</sup> Data too small to be displayed.

NOTE: Dash indicates data do not meet publication guidelines. Because of rounding and data exclusion of nonclassifiable responses, data may not sum to the totals.

SOURCE: Bureau of Labor Statistics, U.S. Department of Labor, Survey of Occupational Injuries and Illnesses in cooperation with participating State agencies