

# FOREIGN-BORN

## Fatal occupational injuries to foreign-born workers by selected characteristics, 1994-99

Characteristics	Year					
	1994	1995	1996	1997	1998	1999
Total .....	698	658	728	714	654	802
<b>Employee status</b>						
Wage and salary workers <sup>1</sup> .....	562	518	588	587	537	668
Self-employed <sup>2</sup> .....	136	140	140	127	117	134
<b>Sex</b>						
Men .....	658	618	675	671	617	750
Women .....	40	40	53	43	37	52
<b>Age</b>						
15 to 17 years .....	—	6	5	—	7	8
18 to 24 years .....	87	79	76	92	91	104
25 to 44 years .....	403	354	393	390	348	400
45 to 64 years .....	183	191	225	207	185	256
65 to 74 years .....	19	25	20	15	17	28
75 years and over .....	—	—	7	5	—	5
<b>Race</b>						
White .....	410	420	483	444	439	550
Black .....	69	56	54	62	38	42
Other or unknown .....	219	182	191	208	177	210
<b>Hispanic origin</b>						
Hispanic <sup>3</sup> .....	336	342	371	379	405	462
<b>Event or exposure</b>						
<b>Transportation incidents</b> .....	192	191	191	197	186	256
Highway .....	91	82	86	83	98	129
Collision between vehicles, mobile equipment .....	41	44	31	40	53	61
Re-entrant collision .....	—	—	—	—	—	14
Moving in same direction .....	10	13	5	6	15	6
Moving in opposite directions, oncoming .....	13	11	7	7	6	14
Moving in intersection .....	10	5	10	11	14	17
Moving and standing vehicle, mobile equipment-in roadway .....	—	—	—	—	8	—
Vehicle struck stationary object or equipment in roadway .....	—	—	—	—	—	6
Vehicle struck stationary object or equipment on side of road .....	18	16	15	13	18	26
Noncollision .....	30	20	30	25	26	31
Jack-knifed or overturned--no collision .....	22	14	21	14	20	27
Nonhighway (farm, industrial premises) .....	16	28	23	24	20	29
Noncollision accident .....	12	24	19	22	17	23
Fall from moving vehicle, mobile equipment .....	—	6	—	—	—	—
Fell from and struck by vehicle, mobile equipment .....	—	—	6	9	5	6
Overtaken .....	5	13	10	5	5	11
Aircraft .....	32	18	16	16	13	26
Worker struck by vehicle, mobile equipment .....	33	46	36	44	37	53
Worker struck by vehicle, mobile equipment in roadway .....	14	13	10	14	13	22
Worker struck by vehicle, mobile equipment on side of road .....	5	7	7	8	6	7
Worker struck by vehicle, mobile equipment in parking lot or non-road area .....	13	20	17	20	17	23
Water vehicle .....	16	16	26	19	17	16
Explosion, fire, n.e.c. ....	—	—	5	—	—	—
Fall from ship or boat, n.e.c. ....	7	8	—	6	9	5
Sinking, capsized water vehicle .....	—	—	6	—	—	7
Railway .....	—	—	—	11	—	—
Collision between railway vehicle and other vehicle .....	—	—	—	9	—	—

See footnotes at end of table.

# FOREIGN-BORN

## Fatal occupational injuries to foreign-born workers by selected characteristics, 1994-99 — Continued

Characteristics	Year					
	1994	1995	1996	1997	1998	1999
<b>Event or exposure – continued</b>						
<b>Assaults and violent acts</b> .....	297	255	275	233	159	215
Homicides .....	277	231	245	207	144	175
Hitting, kicking, beating .....	6	9	11	6	8	15
Shooting .....	247	204	212	180	120	139
Stabbing .....	14	11	19	17	12	17
Assaults and violent acts by person(s), n.e.c. ....	8	7	—	—	—	—
Self-inflicted injury .....	18	23	25	23	13	37
<b>Contact with objects and equipment</b> .....	65	65	98	101	97	119
Struck by object .....	33	43	64	54	42	65
Struck by falling object .....	21	22	44	33	28	38
Struck by flying object .....	5	—	5	11	6	10
Struck by swinging or slipping object .....	—	6	5	—	—	6
Struck by rolling, sliding objects on floor or ground level .....	—	5	6	—	—	6
Caught in or compressed by equipment or objects .....	25	17	24	34	31	39
Caught in running equipment or machinery .....	17	12	12	22	19	22
Compressed or pinched by rolling, sliding, or shifting objects .....	—	—	5	7	6	7
Caught in or crushed in collapsing materials .....	6	—	10	12	22	15
Excavation or trenching cave-in .....	—	—	—	6	9	6
Caught in or crushed in collapsing structure .....	—	—	5	6	8	5
<b>Falls</b> .....	72	86	98	97	116	123
Fall to lower level .....	68	78	95	93	107	119
Fall from floor, dock, or ground level .....	5	6	—	—	6	11
Fall through existing floor opening .....	—	—	—	—	5	6
Fall from ladder .....	5	11	10	18	12	13
Fall from roof .....	20	21	29	27	36	40
Fall through existing roof opening .....	—	—	5	—	—	—
Fall through roof surface .....	—	—	5	—	5	5
Fall through skylight .....	—	—	—	—	9	5
Fall from roof edge .....	6	5	11	8	10	19
Fall from scaffold, staging .....	9	16	22	20	22	18
Fall from building girders or other structural steel .....	5	—	—	8	8	7
Fall from nonmoving vehicle .....	—	—	8	—	5	9
Fall to lower level, n.e.c. ....	15	10	13	10	15	15
Fall on same level .....	—	6	—	—	6	—
Fall to floor, walkway, or other surface .....	—	—	—	—	5	—
<b>Exposure to harmful substances or environments</b> .....	63	52	49	63	65	68
Contact with electric current .....	30	28	28	27	32	27
Contact with electric current of machine, tool, appliance, light fixture .....	7	5	6	6	7	6
Contact with wiring, transformers, or other electrical component .....	8	—	5	—	7	5
Contact with overhead power lines .....	11	11	12	13	8	9
Struck by lightning .....	—	5	—	—	8	—
Contact with temperature extremes .....	7	7	—	9	9	11
Exposure to environmental heat .....	5	5	—	7	8	8
Exposure to caustic, noxious, or allergenic substances .....	15	7	13	17	10	15
Inhalation of substance .....	10	—	11	10	—	9
Inhalation in enclosed, restricted, or confined space <sup>4</sup> .....	—	—	7	—	—	—
Inhalation in open or nonconfined space .....	—	—	—	6	—	5
Oxygen deficiency .....	11	10	5	9	14	15
Drowning, submersion .....	9	9	—	8	11	12
<b>Fires and explosions</b> .....	9	8	17	22	30	20
Fires--unintended or uncontrolled .....	7	5	10	8	20	14
Fire in residence, building, or other structure .....	5	5	9	—	15	10
Explosion .....	—	—	7	14	10	6
Explosion, unspecified .....	—	—	—	5	—	—
Explosion of pressure vessel or piping .....	—	—	7	—	—	—

See footnotes at end of table.

# FOREIGN-BORN

## Fatal occupational injuries to foreign-born workers by selected characteristics, 1994-99 — Continued

Characteristics	Year					
	1994	1995	1996	1997	1998	1999
<b>Primary and secondary source</b>						
<b>Primary source<sup>5</sup></b>						
<b>Vehicles</b> .....	197	198	190	200	195	270
Air vehicle .....	32	19	16	16	13	27
Aircraft--powered fixed wing .....	24	15	10	7	5	21
Jet .....	6	—	7	—	—	13
Propeller-driven aircraft .....	16	5	—	7	5	6
Aircraft--powered rotary wing .....	—	—	—	5	6	—
Helicopter .....	—	—	—	5	6	—
Highway vehicle, motorized .....	125	132	121	140	135	196
Automobile .....	34	34	28	32	34	38
Truck .....	70	70	74	88	85	120
Delivery truck .....	—	—	—	—	—	7
Dump truck .....	6	6	—	5	5	6
Pickup truck .....	16	14	17	22	24	29
Semitrailer, tractor trailer, trailer truck .....	36	26	25	26	36	52
Van--passenger or light delivery .....	9	12	13	8	8	28
Plant and industrial powered vehicles, tractors .....	20	23	19	20	24	26
Forklift .....	6	7	8	11	11	17
Tractor .....	11	16	11	9	11	9
Water vehicle .....	16	17	26	19	17	18
Ships--other than sail powered .....	7	5	18	7	5	—
Tugboat, commercial fishing boat .....	5	8	6	8	7	9
<b>Structures and surfaces</b> .....	75	88	115	108	127	136
Floors, walkways, ground surfaces .....	70	80	98	93	117	121
Floors .....	34	26	33	22	47	48
Ground .....	20	24	44	36	44	44
Sidewalks, paths, outdoor walkways .....	5	6	—	7	8	8
Street, road .....	—	—	—	—	—	5
Surfaces below ground level, n.e.c. ....	—	—	—	—	—	6
Ditches, channels, trenches, excavations .....	—	—	—	—	—	5
Other structural elements .....	—	5	9	9	6	7
Roof .....	—	—	—	5	—	—
Structures .....	—	—	8	6	—	7
<b>Machinery</b> .....	37	31	40	63	45	43
Agricultural and garden machinery .....	6	—	7	8	6	6
Harvesting and threshing machinery .....	—	—	—	—	5	—
Construction, logging, and mining machinery .....	11	12	13	19	12	19
Excavating machinery .....	—	6	5	7	5	6
Backhoes .....	—	—	—	—	—	5
Loaders .....	6	—	5	—	—	10
Front end loaders .....	—	—	—	—	—	7
Material handling (cranes, conveyers, jacks) .....	7	9	8	17	11	7
Conveyors--powered .....	—	—	—	7	—	—
Cranes .....	—	—	—	5	—	—
Elevators .....	—	5	—	—	—	—
Metal, woodworking, and special material machinery .....	—	—	—	—	9	—
Special process machinery .....	5	—	6	8	—	—
Packaging, bottling, wrapping machinery .....	—	—	—	6	—	—
<b>Parts and materials</b> .....	36	36	47	41	41	55
Building materials--solid elements .....	11	11	16	12	21	23
Bricks, blocks, structural stone .....	—	—	—	—	6	8
Pipes, ducts, tubing .....	—	5	—	—	—	5
Structural metal materials .....	—	—	9	—	8	6
Fasteners, connectors, ropes, ties .....	—	5	7	7	—	12
Ropes, ties .....	—	—	6	7	—	12
Rope, twine, string .....	—	—	5	—	—	6
Machine, tool, and electrical parts .....	17	13	18	13	13	16
Electric parts .....	15	11	15	9	8	13
Electrical wiring .....	7	6	5	—	—	5

See footnotes at end of table.

## FOREIGN-BORN

### Fatal occupational injuries to foreign-born workers by selected characteristics, 1994-99 — Continued

Characteristics	Year					
	1994	1995	1996	1997	1998	1999
<b>Primary and secondary source – continued</b>						
<b>Primary source<sup>5</sup> – continued</b>						
Power lines, transformers, convertors .....	–	–	9	–	–	–
<b>Persons, plants, animals, and minerals</b> .....	13	22	32	20	24	20
Animals and animal products .....	–	–	–	–	–	5
Nonmetallic minerals, except fuel .....	–	–	–	–	9	5
Dirt, earth .....	–	–	–	–	5	–
Person--other than injured or ill worker .....	–	7	9	–	–	–
Plants, trees, vegetation--not processed .....	–	8	12	8	9	5
Trees, logs .....	–	8	12	7	8	5
<b>Chemicals and chemical products</b> .....	15	5	11	20	14	18
Chemical products--general .....	–	–	–	–	8	7
Drugs, alcohol, medicines .....	–	–	–	–	–	5
Other chemicals .....	9	–	6	10	–	8
Oxygen and oxygen compounds, n.e.c. ....	–	–	5	8	–	5
Carbon monoxide .....	–	–	–	8	–	–
<b>Tools, instruments, and equipment</b> .....	21	19	26	22	19	33
Handtools--nonpowered .....	15	15	22	17	15	23
Cutting handtools .....	15	13	22	17	13	16
Knives .....	14	10	20	16	12	12
<b>Containers</b> .....	–	7	16	13	5	8
Containers-nonpressurized .....	–	–	7	5	–	–
Containers-variable restraint .....	–	–	–	5	–	–
<b>Other</b> .....	300	252	251	227	184	219
Furniture and fixtures .....	–	–	–	–	–	5
Ammunition .....	257	217	222	193	127	160
Bullets .....	254	208	217	190	124	159
Atmospheric and environmental conditions .....	20	16	16	21	38	28
Fire, flame, smoke .....	9	5	9	9	20	16
Fire, flame .....	6	–	5	9	17	15
Temperature extreme .....	6	6	–	7	8	8
Steam, vapors, liquids .....	9	10	–	10	10	17
<b>Secondary source<sup>6</sup></b>						
<b>Vehicles</b> .....	70	62	64	65	64	93
Highway vehicle, motorized .....	54	55	45	47	56	75
Automobile .....	20	18	11	15	14	9
Truck .....	26	28	29	26	36	58
Dump truck .....	–	–	–	–	5	6
Pickup truck .....	8	–	–	5	6	9
Semitrailer, tractor trailer, trailer truck .....	12	10	14	14	21	33
Plant and industrial powered vehicles, tractors .....	–	–	10	5	6	11
Forklift .....	–	–	8	5	5	11
Rail vehicle .....	–	–	6	8	–	–
Train .....	–	–	5	8	–	–
Water vehicle .....	6	–	–	–	–	–
<b>Structures and surfaces</b> .....	62	73	97	97	119	145
Floors, walkways, ground surfaces .....	12	14	13	19	24	39
Floors .....	–	–	–	–	–	10
Ground .....	5	–	–	8	13	14
Other structural elements .....	21	23	32	30	45	49
Roof .....	12	16	23	25	23	31
Walls .....	–	–	–	–	5	–
Structures .....	29	35	51	47	50	55
Bridges, dams, locks .....	–	5	–	–	–	–
Buildings--office, plant, residential .....	–	–	5	–	–	9
Scaffolds, staging .....	9	17	24	18	21	19

See footnotes at end of table.

## FOREIGN-BORN

### Fatal occupational injuries to foreign-born workers by selected characteristics, 1994-99 — Continued

Characteristics	Year					
	1994	1995	1996	1997	1998	1999
<b>Primary and secondary source – continued</b>						
<b>Secondary source<sup>6</sup> – continued</b>						
Towers, poles .....	–	–	5	10	–	–
Other structures .....	10	5	9	11	15	19
Guardrails, road dividers .....	8	–	8	7	9	11
<b>Machinery</b> .....	20	20	26	32	19	28
Construction, logging, and mining machinery .....	–	–	6	7	8	–
Material handling (cranes, conveyers, jacks) .....	14	11	16	14	8	22
Cranes .....	5	–	8	–	–	6
Overhead hoists .....	–	–	–	5	–	–
Elevators .....	–	–	–	–	–	7
Jacks .....	–	–	–	–	–	5
Metal, woodworking, and special material machinery .....	–	–	–	5	–	–
<b>Parts and materials</b> .....	20	22	19	21	22	24
Building materials--solid elements .....	–	–	7	–	5	9
Structural metal materials .....	–	–	–	–	–	5
Fasteners, connectors, ropes, ties .....	–	–	–	5	–	–
Ropes, ties .....	–	–	–	5	–	–
Machine, tool, and electrical parts .....	14	16	8	13	12	10
Electric parts .....	13	14	7	13	12	10
Power lines, transformers, convertors .....	11	13	5	11	7	6
<b>Persons, plants, animals, and minerals</b> .....	296	255	258	216	167	198
Person--other than injured or ill worker .....	275	226	241	201	141	173
Co-worker, former co-worker or injured worker .....	15	9	15	9	9	16
Relative of injured worker .....	–	8	5	5	–	–
Robber .....	–	–	–	30	62	88
Plants, trees, vegetation--not processed .....	7	11	9	9	13	12
Trees, logs .....	7	11	8	7	13	12
<b>Chemicals and chemical products</b> .....	6	7	5	8	13	11
Coal, natural gas, petroleum fuels and products .....	–	–	–	–	9	–
Petroleum fuels, distillates, products, unspecified .....	–	–	–	–	7	–
Gasoline, diesel fuel, jet fuel .....	–	–	–	–	5	–
<b>Tools, instruments, and equipment</b> .....	12	16	18	26	19	35
Ladders .....	8	9	12	17	10	14
Ladders--movable .....	–	6	6	8	–	8
Other tools .....	–	–	–	–	–	16
Firearms .....	–	–	–	–	–	15
Pistol, handgun, revolver .....	–	–	–	–	–	10
<b>Containers</b> .....	5	–	8	12	10	12
Containers-nonpressurized .....	5	–	6	7	7	8
Tanks, bins, vats .....	–	–	5	6	–	7
<b>Other</b> .....	31	23	32	25	25	48
Atmospheric and environmental conditions .....	13	7	16	8	7	11
Fire, flame, smoke .....	–	–	6	–	–	–
Smoke, fire gases .....	–	–	6	–	–	–
Steam, vapors, liquids .....	11	14	12	14	14	26
<b>Not reported</b> .....	176	177	201	212	196	208
<b>Worker activity</b>						
<b>Vehicular and transportation operations</b> .....	206	201	197	202	193	265
Driving, operating .....	123	118	98	121	107	141
Automobile .....	49	47	33	39	30	40
Airplane .....	13	11	6	6	6	14
Truck .....	42	34	39	50	49	68

See footnotes at end of table.

## FOREIGN-BORN

### Fatal occupational injuries to foreign-born workers by selected characteristics, 1994-99 — Continued

Characteristics	Year					
	1994	1995	1996	1997	1998	1999
<b>Worker activity – continued</b>						
Industrial or construction vehicle .....	6	9	6	15	6	9
Riding in, on .....	51	49	69	54	49	80
Automobile .....	5	—	7	—	5	5
Airplane .....	17	8	10	10	7	12
Truck .....	14	13	17	12	16	21
Boat .....	9	16	24	23	12	20
Boarding, alighting .....	—	5	7	5	—	7
Directing, flagging traffic .....	—	—	—	—	5	7
Walking in or near roadway, etc., n.e.c. ....	11	15	8	9	12	16
Vehicular and transportation operations, n.e.c. ....	12	14	12	7	10	10
Driving, operating farm vehicle .....	8	9	8	—	6	9
<b>Using or operating tools, machinery</b> .....	37	45	53	55	52	55
Operating heavy equipment .....	8	11	13	11	15	17
Farm machinery .....	—	—	—	—	5	—
Operating machinery .....	8	6	12	15	9	10
Using power tools .....	—	8	—	7	—	5
Using nonpowered hand tools .....	—	6	6	—	5	—
Welding .....	5	—	—	—	7	7
Logging, trimming, pruning .....	9	9	14	13	13	10
<b>Constructing, repairing, cleaning</b> .....	123	116	152	158	190	194
Construction, assembling, dismantling .....	48	50	75	62	96	106
Constructing, assembling .....	13	19	20	8	15	32
Installing .....	13	7	19	26	35	45
Dismantling, removing .....	10	8	17	17	24	11
Repair, maintenance .....	34	38	38	50	47	42
Repairing .....	20	23	20	32	29	28
Maintenance .....	8	5	5	5	9	8
Inspecting or checking .....	9	—	—	9	6	14
Cleaning, washing .....	17	12	20	19	20	15
Painting, etc. ....	8	6	9	11	8	7
<b>Protective service activities</b> .....	15	13	21	13	5	9
<b>Materials handling operations</b> .....	21	35	29	48	37	42
Loading, unloading (packing, unpacking) materials .....	10	19	11	10	7	13
Working with chemicals (except cleaning) .....	—	—	—	—	7	—
Materials handling, n.e.c. ....	—	5	7	11	10	13
<b>Physical activity<sup>7</sup>, n.e.c.</b> .....	27	33	41	41	34	48
<b>All other activities</b> .....	269	215	235	197	142	188
Tending a retail establishment .....	193	142	142	130	85	103
Office work .....	11	—	10	13	7	10
Health care and social services activities .....	—	—	7	—	—	—
Animal care and tending .....	—	—	—	—	5	8
Activity, n.e.c. ....	57	61	71	44	41	63
<b>Location</b>						
<b>Street or highway</b> .....	175	153	153	152	147	202
Street and highway, unspecified .....	16	11	7	—	—	—
Interstate, freeway, or expressway .....	34	31	31	24	44	47
Other highway (State or U.S.) .....	30	29	24	41	28	29
Local road or street .....	91	76	87	75	59	110
Road construction <sup>8</sup> .....	—	—	—	6	9	5
<b>Industrial place or premise</b> .....	141	143	183	215	187	240
Industrial place and premises, unspecified .....	7	8	5	—	—	—
Dockyard .....	8	9	—	9	6	6
Loading platform, factory or store .....	7	5	—	—	5	10
Railway yard, includes railway line, tracks .....	—	—	7	11	—	—

See footnotes at end of table.

## FOREIGN-BORN

### Fatal occupational injuries to foreign-born workers by selected characteristics, 1994-99 — Continued

Characteristics	Year					
	1994	1995	1996	1997	1998	1999
<b>Location – continued</b>						
Warehouse .....	9	10	14	14	9	15
Construction site .....	52	70	64	83	90	88
Factory, plant .....	—	—	34	46	37	60
Industrial place or premises, nec .....	46	33	33	34	25	43
<b>Other specified place<sup>9</sup></b> .....	72	85	87	69	70	79
Parking lot, garage (employer's premises) .....	13	17	20	18	15	15
Parking lot, garage (except employer's premises) .....	5	6	7	8	7	7
River .....	—	7	6	7	10	8
Sea .....	11	15	30	18	13	27
<b>Public building<sup>10</sup></b> .....	236	181	196	184	128	150
Hotel, motel .....	—	—	6	11	9	7
Convenience store .....	111	79	58	59	29	38
Office building .....	11	6	11	18	6	15
Restaurant, cafe .....	29	24	27	17	19	28
Shop, commercial, store, (except grocery) .....	58	52	64	50	39	40
School (State, public, private) .....	—	—	6	—	—	—
<b>Farm</b> .....	38	45	32	50	57	50
Farm land under cultivation, fields, meadows .....	25	20	11	32	27	25
Silos, grain bin .....	—	—	—	—	6	—
<b>Private residence<sup>11</sup></b> .....	25	41	53	26	49	63
Apartment .....	6	11	5	—	8	13
Residential construction <sup>12</sup> .....	—	—	—	—	14	29
<b>Mine, quarry</b> .....	—	—	—	8	—	—
<b>Place for recreation and sport</b> .....	6	—	14	6	9	10
Recreational and sports areas .....	5	—	11	6	5	6
<b>Unspecified place</b> .....	—	—	6	—	5	—
<b>Occupation</b>						
<b>Managerial and professional specialty</b> .....	68	54	61	43	54	88
Executive, administrative, and managerial .....	47	36	43	31	41	50
Managers, food serving and lodging establishments .....	14	12	14	11	12	20
Managers and administrators, n.e.c. .....	25	20	20	18	20	19
Management related occupations .....	—	—	—	—	5	—
Professional specialty .....	21	18	18	12	13	38
Engineers, architects, and surveyors .....	6	8	7	—	—	16
Engineers .....	5	7	7	—	—	15
Civil engineers .....	—	—	—	—	—	5
Health diagnosing occupations .....	—	—	—	—	—	6
Physicians .....	—	—	—	—	—	5
Writers, artists, entertainers, and athletes .....	5	5	—	—	—	9
Athletes .....	—	—	—	—	—	5
<b>Technical, sales, and administrative support</b> .....	186	145	136	134	83	94
Technicians and related support occupations .....	17	16	10	11	6	11
Technicians, except health, engineering, and science .....	14	12	6	7	—	10
Airplane pilots and navigators .....	13	11	6	6	—	10
Sales occupations .....	163	122	122	111	71	77
Supervisors and proprietors, sales occupations .....	79	66	71	61	43	42
Sales workers, retail and personal services .....	81	55	49	49	25	32
Cashiers .....	47	37	34	35	13	19
Street and door-to-door sales workers .....	11	—	—	—	—	—
Administrative support occupations, including clerical .....	6	7	—	12	6	6

See footnotes at end of table.

# FOREIGN-BORN

## Fatal occupational injuries to foreign-born workers by selected characteristics, 1994-99 — Continued

Characteristics	Year					
	1994	1995	1996	1997	1998	1999
<b>Occupation – continued</b>						
<b>Service occupations</b> .....	62	51	67	48	39	56
Protective service occupations .....	19	17	21	13	9	16
Police and detectives, including supervisors .....	—	5	—	—	5	—
Guards, including supervisors .....	15	12	19	10	—	13
Guards and police, except public service .....	15	12	19	9	—	12
Service occupations, except protective and household .....	39	31	42	34	28	40
Food preparation and service occupations .....	13	14	12	14	10	21
Cooks .....	7	5	—	7	5	8
Miscellaneous food preparation occupations .....	—	—	—	—	—	5
Cleaning and building service occupations, except household .....	13	12	15	13	15	12
Janitors and cleaners .....	12	11	12	9	12	8
Personal service occupations .....	12	—	12	6	—	6
Public transportation attendants .....	—	—	5	—	—	—
<b>Farming, forestry, and fishing</b> .....	73	82	79	82	93	116
Farming operators and managers .....	—	7	5	—	—	—
Farmers, except horticultural .....	—	—	5	—	—	—
Other agricultural and related occupations .....	60	64	57	66	78	96
Farm occupations, except managerial .....	42	46	39	51	54	73
Farm workers .....	40	42	34	41	53	69
Nursery workers .....	—	—	—	8	—	—
Related agricultural occupations .....	18	18	18	15	24	23
Groundskeepers and gardeners, except farm .....	17	16	17	13	20	19
Forestry and logging occupations .....	5	—	9	—	5	—
Timber cutting and logging occupations .....	—	—	8	—	—	—
Fishers, hunters, and trappers .....	6	8	8	10	8	14
Fishers, including vessel captains and officers .....	6	8	8	10	8	14
<b>Precision production, craft, and repair</b> .....	84	89	110	110	127	144
Mechanics and repairers .....	26	18	18	27	31	40
Mechanics and repairers, except supervisors .....	25	18	17	27	30	37
Vehicle and mobile equipment mechanics, repairers .....	15	12	10	15	14	19
Automobile mechanics and apprentices .....	7	5	—	8	6	8
Heavy equipment mechanics .....	—	—	—	—	—	6
Electrical and electronic equipment repairers .....	—	—	—	5	—	—
Heating, air conditioning, and refrigeration mechanics .....	—	—	—	—	—	5
Miscellaneous mechanics and repairers .....	6	—	—	—	10	7
Construction trades .....	52	56	65	60	83	82
Supervisors, construction occupations .....	8	8	7	5	—	6
Supervisors, n.e.c. .....	6	7	5	—	—	5
Construction trades, except supervisors .....	44	48	58	55	79	76
Brickmasons, stonemasons, and apprentices .....	—	6	—	—	—	—
Carpenters and apprentices .....	9	14	13	9	18	19
Electricians and apprentices .....	6	—	8	6	8	5
Painters, construction and maintenance .....	6	10	9	7	—	6
Roofers .....	6	9	10	10	14	20
Structural metal workers .....	—	—	—	—	6	5
Extractive occupations .....	—	—	—	6	—	7
Precision production occupations .....	6	13	24	17	11	15
Precision metal working occupations .....	—	—	6	—	—	—
<b>Operators, fabricators, and laborers</b> .....	215	225	263	287	254	300
Machine operators, assemblers, and inspectors .....	19	19	24	34	24	26
Machine operators and tenders, except precision .....	12	7	16	23	14	17
Machine operators, assorted materials .....	9	5	11	18	9	8
Miscellaneous machine operators, n.e.c. .....	—	—	—	5	—	—
Machine operators, not specified .....	—	—	—	6	5	—

See footnotes at end of table.

# FOREIGN-BORN

## Fatal occupational injuries to foreign-born workers by selected characteristics, 1994-99 — Continued

Characteristics	Year					
	1994	1995	1996	1997	1998	1999
<b>Occupation – continued</b>						
Fabricators, assemblers, and hand working occupations .....	6	12	6	8	9	7
Welders and cutters .....	5	9	5	7	7	7
Transportation and material moving occupations .....	104	115	113	119	99	127
Motor vehicle operators .....	86	95	85	90	79	102
Truck drivers .....	50	49	58	56	52	68
Taxicab drivers and chauffeurs .....	33	38	22	30	23	27
Transportation occupations, except motor vehicles .....	12	15	17	19	8	6
Water transportation occupations .....	11	14	16	17	8	6
Sailors and deckhands .....	8	13	13	12	6	–
Material moving equipment operators .....	6	5	11	10	12	19
Industrial truck and tractor equipment operators .....	–	–	–	–	5	13
Handlers, equipment cleaners, helpers, and laborers .....	92	91	126	134	131	147
Helpers, construction and extractive occupations .....	–	–	–	–	5	–
Construction laborers .....	36	49	57	77	72	91
Freight, stock, and material handlers .....	10	7	14	11	11	5
Stock handlers and baggers .....	6	–	10	5	–	–
Garage and service station related occupations .....	–	6	6	–	–	–
Laborers, except construction .....	35	23	40	36	34	39
<b>Industry</b>						
<b>Private industry</b> .....	670	636	710	699	639	780
<b>Agriculture, forestry and fishing</b> .....	68	86	79	81	96	117
Agricultural production - crops .....	28	28	30	26	33	42
Field crops, except cash grains .....	7	7	6	–	7	–
Fruits and tree nuts .....	6	10	6	10	11	20
Deciduous tree fruits .....	–	–	–	–	5	–
Fruits and tree nuts, n.e.c. ....	–	–	–	–	–	13
Horticultural specialties .....	–	–	–	–	–	5
Ornamental nursery products .....	–	–	–	–	–	5
General farms, primarily crop .....	–	5	8	5	–	–
Agricultural production - livestock .....	11	17	10	7	12	19
Livestock, except dairy and poultry .....	–	11	6	–	–	5
Beef cattle, except feedlots .....	–	–	–	–	–	5
Dairy farms .....	–	–	–	–	–	7
Agricultural services .....	20	31	29	34	40	35
Crop services .....	–	–	–	12	7	7
Crop planting and protecting .....	–	–	–	7	–	–
Farm labor and management services .....	–	5	5	7	9	6
Farm labor contractors .....	–	5	–	6	7	–
Landscape and horticultural services .....	13	19	21	13	23	17
Landscape counseling and planning .....	6	–	–	–	7	–
Lawn and garden services .....	–	10	15	7	12	9
Ornamental shrub and tree services .....	–	6	6	–	–	5
Fishing, hunting, and trapping .....	6	9	8	10	8	14
Commercial fishing .....	6	8	8	10	8	14
Shellfish .....	–	5	–	6	6	8
<b>Mining</b> .....	7	5	6	12	7	11
Oil and gas extraction .....	5	–	6	7	5	7
Oil and gas field services .....	–	–	6	7	5	6
Oil and gas field services, n.e.c. ....	–	–	5	7	–	6
<b>Construction</b> .....	91	124	129	153	177	192
General building contractors .....	19	26	16	20	36	29
Residential building construction .....	10	17	9	8	15	16
Single-family housing construction .....	–	10	6	6	13	12
Residential construction, n.e.c. ....	–	6	–	–	–	–
Nonresidential building construction .....	9	9	7	10	16	12

See footnotes at end of table.

# FOREIGN-BORN

## Fatal occupational injuries to foreign-born workers by selected characteristics, 1994-99 — Continued

Characteristics	Year					
	1994	1995	1996	1997	1998	1999
<b>Industry – continued</b>						
Industrial buildings and warehouses .....	—	5	—	—	—	7
Nonresidential construction, n.e.c. ....	—	—	—	8	12	5
Heavy construction, except building .....	14	16	24	29	29	32
Highway and street construction .....	5	10	7	11	10	9
Heavy construction, except highway .....	9	6	16	18	19	23
Water, sewer, and utility lines .....	—	—	10	8	13	14
Heavy construction, n.e.c. ....	—	—	—	6	—	6
Special trades contractors .....	58	82	86	103	111	125
Plumbing, heating and						
air-conditioning .....	5	—	—	—	—	10
Painting and paper hanging .....	7	8	9	9	—	6
Electrical work .....	—	7	6	5	8	7
Masonry, stonework, tile setting, and plastering .....	8	12	13	10	21	15
Masonry and other stonework .....	5	5	9	6	14	10
Plastering, drywall, and insulation .....	—	6	—	—	6	5
Carpentry and floor work .....	—	9	8	5	13	14
Carpentry work .....	—	9	8	5	12	14
Roofing, siding, and sheet metal work .....	11	18	21	18	17	27
Concrete work .....	5	8	8	6	9	12
Miscellaneous special trade						
contractors .....	14	15	18	46	36	33
Structural steel erection .....	—	—	—	7	6	7
Excavation work .....	—	—	7	—	5	5
Wrecking and demolition work .....	5	—	—	8	7	—
Special trade contractors, n.e.c. ....	—	7	—	26	13	12
<b>Manufacturing</b> .....	54	43	67	65	64	81
Food and kindred products .....	7	10	12	6	8	15
Meat products .....	—	—	6	—	—	7
Lumber and wood products .....	8	—	11	13	9	8
Logging .....	—	—	9	—	—	—
Sawmills and planing mills .....	—	—	—	—	5	—
Chemicals and allied products .....	—	—	—	—	9	—
Miscellaneous chemical products .....	—	—	—	—	7	—
Rubber and miscellaneous plastics						
products .....	—	—	—	—	—	5
Miscellaneous plastics products, n.e.c. ....	—	—	—	—	—	5
Stone, clay, glass and concrete products .....	—	—	6	8	—	—
Concrete, gypsum, and plaster products .....	—	—	—	6	—	—
Primary metal industries .....	6	—	—	—	6	9
Fabricated metal products .....	—	—	10	5	—	—
Industrial machinery and equipment .....	6	—	—	7	—	7
Transportation equipment .....	—	—	—	6	10	9
Motor vehicles and equipment .....	—	—	—	—	6	—
<b>Transportation and public utilities</b> .....	108	108	106	117	85	117
Local and interurban passenger transportation .....	32	43	21	29	22	30
Taxicabs .....	31	37	21	28	21	26
Trucking and warehousing .....	38	29	41	44	38	50
Trucking and courier services, except air .....	36	28	39	36	34	45
Local trucking, without storage .....	9	8	8	7	11	12
Trucking, except local .....	20	15	18	27	20	25
Courier services, except by air .....	—	—	6	—	—	—
Public warehousing and storage .....	—	—	—	5	—	—
Water transportation .....	12	13	18	19	13	7
Deep sea foreign transportation of freight .....	5	7	6	14	6	—
Water transportation of passengers .....	—	—	7	—	—	—
Deep sea transportation of passengers, except by ferry .....	—	—	7	—	—	—
Water transportation services .....	5	—	—	—	—	—
Transportation by air .....	11	10	8	10	—	13
Air transportation, scheduled .....	9	—	7	—	—	7
Air transportation, unscheduled .....	7	—	6	—	—	5
Air transportation, nonscheduled .....	—	5	—	5	—	5
Transportation services .....	6	6	—	—	—	5

See footnotes at end of table.

# FOREIGN-BORN

## Fatal occupational injuries to foreign-born workers by selected characteristics, 1994-99 — Continued

Characteristics	Year					
	1994	1995	1996	1997	1998	1999
<b>Industry – continued</b>						
Passenger transportation arrangement .....	5	—	—	—	—	—
Electric, gas, and sanitary services .....	5	5	8	7	5	10
Sanitary services .....	5	—	6	5	—	9
Refuse systems .....	—	—	6	5	—	8
<b>Wholesale trade</b> .....	23	22	27	30	20	20
Wholesale trade-durable goods .....	14	15	18	22	11	11
Motor vehicles, parts, and supplies .....	—	—	5	5	—	—
Miscellaneous durable goods .....	7	5	9	11	8	—
Scrap and waste materials .....	7	5	6	7	6	—
Wholesale trade-nondurable goods .....	9	7	9	8	9	9
Groceries and related products .....	6	—	6	5	—	—
<b>Retail trade</b> .....	215	166	170	151	102	126
Building materials and garden supplies .....	5	—	—	—	—	—
General merchandise stores .....	7	—	—	—	—	5
Food stores .....	107	76	77	74	44	41
Grocery stores .....	98	69	73	71	38	36
Retail bakeries .....	5	—	—	—	—	—
Automotive dealers and service stations .....	12	20	16	19	12	13
Used car dealers .....	—	5	—	—	—	—
Gasoline service stations .....	7	13	11	15	8	7
Apparel and accessory stores .....	—	6	—	5	—	—
Furniture and homefurnishings stores .....	8	5	—	7	—	—
Furniture and homefurnishings stores .....	—	—	—	6	—	—
Radio, television, and computer stores .....	5	—	—	—	—	—
Eating and drinking places .....	38	35	36	28	22	42
Eating places .....	32	25	23	20	17	37
Drinking places .....	—	—	10	—	—	—
Miscellaneous retail .....	35	18	30	14	14	17
Liquor stores .....	10	8	10	7	6	7
Miscellaneous shopping goods stores .....	6	—	9	—	—	5
Jewelry stores .....	5	—	5	—	—	—
Nonstore retailers .....	13	—	5	—	—	—
Direct selling establishments .....	12	—	5	—	—	—
<b>Finance, insurance, and real estate</b> .....	7	8	11	9	8	15
Real estate .....	5	8	6	—	5	10
Real estate operators and lessors .....	—	5	6	—	—	—
<b>Services</b> .....	84	69	108	77	77	100
Hotels and other lodging places .....	5	5	7	10	8	8
Hotels and motels .....	5	5	7	10	7	8
Personal services .....	6	—	7	10	7	10
Laundry, cleaning, and garment services .....	—	—	5	—	—	7
Business services .....	21	22	30	20	20	19
Services to buildings .....	—	—	6	—	6	6
Building maintenance services, n.e.c. ....	—	—	5	—	5	5
Personnel supply services .....	—	5	5	—	6	—
Help supply services .....	—	—	—	—	5	—
Miscellaneous business services .....	10	11	16	9	—	10
Detective and armored car services .....	10	7	12	—	—	10
Automotive repair, services, and parking .....	13	14	13	12	21	19
Automotive repair shops .....	11	9	8	8	13	14
Top, body, and upholstery repair shops and paint shops .....	—	—	—	—	—	5
General automotive repair shops .....	5	—	7	5	9	—
Miscellaneous repair services .....	—	—	5	—	—	5
Motion pictures .....	—	—	5	—	—	—
Amusement and recreation services .....	7	6	11	—	6	16
Commercial sports .....	—	—	—	—	—	6
Racing, including track operations .....	—	—	—	—	—	5
Miscellaneous amusement, recreation services .....	5	—	9	—	—	10

See footnotes at end of table.

# FOREIGN-BORN

## Fatal occupational injuries to foreign-born workers by selected characteristics, 1994-99 — Continued

Characteristics	Year					
	1994	1995	1996	1997	1998	1999
<b>Industry – continued</b>						
Health services .....	5	6	13	5	–	7
Educational services .....	5	–	–	–	–	–
Membership organizations .....	7	–	–	–	–	–
Religious organizations .....	5	–	–	–	–	–
Engineering and management services .....	–	–	6	–	–	9
Private households .....	6	–	6	–	–	–
<b>Government<sup>13</sup></b> .....	28	22	18	15	15	22
<b>Federal government (including resident armed forces)</b> .....	7	9	7	5	–	10
<b>Public administration</b> .....	6	8	5	–	–	9
National security and international affairs .....	5	8	5	–	–	6
National security .....	5	8	5	–	–	6
<b>State government</b> .....	5	5	–	–	–	–
<b>Local government</b> .....	14	7	5	7	7	6
<b>Public administration</b> .....	7	–	–	–	–	–

<sup>1</sup> May include volunteers and other workers receiving compensation.

<sup>2</sup> Includes paid and unpaid family workers, and may include owners of incorporated businesses, or members of partnerships.

<sup>3</sup> Persons identified as Hispanic may be of any race.

<sup>4</sup> Includes fatalities that are not considered to be permit required confined spaces as defined by the Occupational Safety and Health Administration in its regulation of these structures.

<sup>5</sup> 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.

<sup>6</sup> The secondary source of injury, if any, identifies the object, substance, or person that generated the source of injury or that contributed to the event or exposure. For vehicle collisions, the deceased's vehicle is the primary source and the other object (truck, road, divider, etc.) is the secondary source. For most homicides, the "bullet" is the primary source and the "perpetrator" is the secondary source.

<sup>7</sup> Includes the category "Bodily reaction and exertion."

<sup>8</sup> The road construction location category was implemented in 1995.

<sup>9</sup> Primarily includes outdoor areas such as bodies of water, woods, noncultivated fields, and parking lots.

<sup>10</sup> Buildings and adjacent grounds used by the general public or a particular group, such as hotels, restaurants, stores, office buildings, courthouses, and schools.

<sup>11</sup> Private residence fatalities primarily occurred to repair or maintenance workers, police while on duty, firefighters, or residential construction workers.

<sup>12</sup> The residential construction location category was implemented in 1998.

<sup>13</sup> Includes fatalities to workers employed by governmental organizations regardless of industry.

NOTE: Totals for major categories may include subcategories not shown separately.

Dashes indicate no data reported or data that do not meet publication criteria.

SOURCE: U.S. Department of Labor, Bureau of Labor Statistics, Census of Fatal Occupational Injuries