



## **Electrical Safety Foundation International Workplace Electrical Injury & Fatality Statistics**

Compiled by the Electrical Safety Foundation International using data from the U.S. Department of Labor, Bureau of Labor Statistics, in cooperation with State, New York City, District of Columbia, and Federal agencies, CFI, 2003-2019



## **Workplace Injury & Fatality Statistics**

### **Tables**

- Table 01 – Fatalities by Events, 2003 – 2020
- Table 02 – Nonfatal Electrical Injuries Involving Days Away from Work by Event, Private Industry, 1992 – 2020
- Table 03 – Median Number of Days Away from Work, Nonfatal Injuries, 2011 – 2020
- Table 04 – Fatal Occupational Injuries by Selected Worker Characteristics and Selected Event or Exposure, 2011 – 2020
- Table 05 – Exposure – Nonfatal Occupational Injuries and Illnesses by Selected Worker Characteristics and Selected Event or Exposure, 2011 – 2020
- Table 06 – Shock – Nonfatal Occupational Injuries and Illnesses by Selected Worker Characteristics and Selected Event or Exposure, 2011 – 2020
- Table 07 – Burns – Nonfatal Occupational Injuries and Illnesses by Selected Worker Characteristics and Selected Event or Exposure, 2011 – 2020

### **Charts**

- Chart 01 – Fatalities by Events, 2003 – 2020
- Chart 02 – Nonfatal Electrical Injuries Involving Days Away from Work by Event, Private Industry, 1992 – 2020
- Chart 03 – Number of Nonfatal Electrical Injuries, Private Industry, by Nature of Injury, Electric Shock, Electrical Burns, 2003 – 2020
- Chart 04 – Fatality Rates for All Events vs. Electrical Events, All Ownerships, 2003 – 2020
- Chart 05 – Rates of Nonfatal Electrical Injury Involving Days Away from Work for Selected Industries by Event, Private Industry, 2003 – 2020
- Chart 06 – Electrical Fatalities by Age Group as Percentage of Fatalities for All Events, All Ownerships, 2011 – 2020
- Chart 07 – Rate of Nonfatal Electrical Shock Injury Involving Days Away from Work for Selected Industries, Private Industry, 2003 – 2020
- Chart 08 – Rate of Nonfatal Electrical Burn Injury Involving Days Away from Work for Selected Industries, Private Industry, 2003 – 2020
- Chart 09 – Electrical Fatalities vs. Total Hours Worked, All Ownerships, 2011 – 2020
- Chart 10 – Electrical Injuries vs. Total Hours Worked, All Ownerships, 2011 – 2020

Table 1

Fatalities by Event, all ownerships, 2003 - 2020																				
Rank	Event or Exposure	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Fatalities
1	Transportation, excluding water, rail, air	2,041	2,118	2,173	2,081	2,057	1,829	1,516	1,600	1,670	1,695	1,628	1,737	1,821	1,855	1,835	1,841	1,860	1,592	31,357
2	Assaults and Violent Acts	902	809	792	788	864	816	837	832	791	803	773	765	703	866	807	828	841	705	13,817
3	Falls, slips, trips	696	822	770	827	847	700	645	646	681	704	724	818	800	849	887	791	880	805	13,087
4	Struck by object or equipment	531	602	607	589	504	520	420	404	476	519	509	503	519	553	503	566	518	468	8,843
5	Exposure to harmful substances or environments, excluding electrical	240	210	250	297	285	247	234	250	245	184	194	236	290	364	395	461	467	546	4,849
6	Caught in or compressed by equipment or objects	238	269	278	283	296	302	233	228	145	124	131	132	99	117	108	137	120	142	3,240
7	Contact with / Exposure to electric current	246	254	251	250	212	192	170	164	174	156	141	154	134	154	136	160	166	126	3,114
8	Aircraft	211	231	149	217	174	191	159	152	145	127	136	135	139	130	126	133	152	80	2,707
9	Struck, caught, or crushed in collapsing structure, equipment, or material	126	117	109	108	108	100	80	91	84	73	78	74	90	82	70	73	83	93	1,546
10	Explosions	75	75	65	99	75	80	60	80	82	88	67	84	75	55	85	71	57	40	1,273
11	Water Vehicle	69	91	88	96	71	76	86	60	72	63	60	55	44	48	68	58	63	74	1,168
12	Railway	43	50	83	65	49	34	34	45	50	38	41	57	50	50	48	48	47	32	832
	Other	157	116	119	140	115	127	77	138	78	54	103	71	72	67	79	83	79	61	1,675
	<b>Total Fatalities (all causes)</b>	<b>5,575</b>	<b>5,764</b>	<b>5,734</b>	<b>5,840</b>	<b>5,657</b>	<b>5,214</b>	<b>4,551</b>	<b>4,690</b>	<b>4,693</b>	<b>4,628</b>	<b>4,585</b>	<b>4,821</b>	<b>4,836</b>	<b>5,190</b>	<b>5,147</b>	<b>5,250</b>	<b>5,333</b>	<b>4,764</b>	<b>87,508</b>

Compiled by the Electrical Safety Foundation International using data from the U.S. Bureau of Labor Statistics, CFI, 2003-2020

**Table 2****Nonfatal Electrical Injuries Involving Days Away from  
Work, by Event, Private Industry, 1992 - 2020**

<b>Year</b>	<b>Total</b>
1992	4,806
1993	4,995
1994	6,018
1995	4,744
1996	4,126
1997	3,710
1998	3,910
1999	4,224
2000	3,704
2001	3,394
2002	2,967
2003	2,390
2004	2,650
2005	2,950
2006	2,620
2007	2,540
2008	2,490
2009	2,620
2010	1,890
2011	2,250
2012	1,700
2013	2,090
2014	1,850
2015	2,480
2016	1,640
2017	2,210
2018	1,560
2019	1,900
2020	2,220
<b>Total</b>	<b>86,648</b>

Compiled by the Electrical Safety Foundation International  
using data from the U.S. Bureau of Labor Statistics,  
CFOI, 1992-2020

**Table 3**

<b>Median Number of Days Away from Work for NonFatal Electrical injuries, by Event, Private Industry, 2011 - 2020</b>											
<b>Event</b>	<b>Event Code</b>	<b>Electrocutions, Electric Shocks</b>									
		<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>
Exposure to electricity	51	6	4	16	4	5	5	10	4	9	3
Direct Exposure to Electricity	511	12	4	35	10	5	7	4	4	9	2
Direct Exposure to Electricity, 220 Volts or less	5111	6	4	3	9	5	2	4	4	4	3
Direct Exposure to Electricity, Greater than 220 Volts	5112	45	2	24	10	2	22	12	7	29	7
Indirect Exposure to Electricity	512	5	5	3	1	20	5	4	2	10	5
Indirect Exposure to Electricity, 220 Volts or Less	5121	2	9	2	1	5	5	4	2	17	5
Indirect Exposure to Electricity, Greater than 220 Volts	5122	5	6	63	10	49	2	20	22	3	-

Compiled by the Electrical Safety Foundation International using data from the 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, 2011-2020

Table 4

## Fatal Occupational Injuries by Selected Workers Characteristics and Selected Event or Exposure, All U.S., All Ownerships, 2011 - 2020

Characteristic	All Events	Exposure to Electricity Code (51XXXX)									
	2020	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
<b>Total:</b>	4,764	174	156	141	154	134	154	136	160	166	126
<b>Employee Status:</b>											
Wage and Salary Workers (1)	3,864	141	125	114	126	107	114	101	129	141	103
Self-Employed (2)	900	33	31	27	28	27	40	35	31	25	23
<b>Gender:</b>											
Women	387	5	-	-	2	-	4	-	2	4	1
Men	4,377	169	154	141	152	134	150	136	158	162	125
<b>Age:</b>											
Under 16 Years	14	3	-	-	-	-	-	-	-	-	-
16 - 17 Years	12	-	-	-	-	-	1	1	1	-	-
18 - 19 Years	66	3	3	-	-	1	3	4	-	-	-
20 - 24 Years	260	16	17	11	16	12	14	14	10	18	9
25 - 34 Years	833	47	44	42	38	34	41	35	50	46	41
35 - 44 Years	898	42	41	35	36	30	35	27	48	44	26
45 - 54 Years	954	44	35	31	33	36	32	29	23	29	23
55 - 64 Years	1,051	12	10	16	23	14	21	19	22	22	21
65 Years and Over	676	6	4	6	6	7	7	7	6	-	-
<b>Race or Ethnic Origin (3):</b>											
White non-Hispanic	2,898	117	111	95	103	93	103	88	105	90	68
Black or African-American non-Hispanic	541	7	7	9	10	9	10	10	12	13	-
Hispanic or Latino	1,072	47	35	35	38	31	38	33	41	53	50
American Indian or Alaska Native non-Hispanic	32	-	-	-	-	-	-	-	-	-	-
Asian non-Hispanic	150	-	-	-	-	-	3	-	-	-	-

Native Hawaiian or Pacific Islander non-Hispanic	8	-	-	-	-	-	-	-	-	-	-
Person of multiple races non-Hispanic	14	-	-	-	-	-	-	-	-	-	-
Other races or not reported non-Hispanic	49	-	-	-	-	-	-	-	-	-	-
Primary Source (4) (5):											
Chemicals and Chemical products	461	-	-	-	-	-	-	-	-	-	-
Containers, Furniture, and Fixtures	73	7	3	-	8	7	6	-	-	-	-
Machinery	354	26	29	17	16	15	26	14	22	-	23
Agriculture and Garden Machinery	57	1	3	-	-	-	-	1	-	-	-
Construction, Logging, and Mining Machinery	144	4	3	4	3	-	-	-	4	-	-
Material and Personnel Handling Machinery	100	8	9	-	4	8	8	5	5	-	6
Parts and Materials	186	84	71	79	66	72	58	73	66	-	65
Machine Tool and Electric Parts	77	74	58	71	60	66	55	64	58	-	58
Persons, Plants, Animals, and Minerals	886	7	3	4	-	-	5	1	6	4	-
Person-other than Injured or Ill Worker	414	1	-	-	-	-	-	-	-	-	-
Relative or Domestic Partner of Injured or Ill Worker	20	-	-	-	-	-	-	-	-	-	-
Co-worker or work associate of Injured or Ill Worker	61	1	-	-	-	-	-	-	-	-	-
Assailant, Suspect, Inmate	230	-	-	-	-	-	-	-	-	-	-
Robber	94	-	-	-	-	-	-	-	-	-	-
Plants, Trees, Vegetation -- not Processed	145	6	3	4	-	-	5	1	6	-	-
Tree, Logs, Limbs	130	6	3	4	-	-	5	1	6	-	-
Structures and Surfaces	575	6	7	5	9	3	-	4	6	9	-
Buildings -- Office, Plant, Residential	42	-	-	-	-	-	-	-	-	-	-
Structures other than Buildings	88	-	4	-	7	-	1	4	4	5	-
Scaffold Staging	56	2	-	-	-	-	1	1	-	-	-
Other Structural Elements	183	-	1	-	-	-	-	-	-	-	-
Roofs	145	-	-	-	-	-	-	-	-	-	-
Tool, Instruments and Equipment	186	29	21	20	27	22	29	24	27	29	18
Ladders	161	9	11	4	8	10	11	6	9	-	-
Vehicles	1,916	11	16	13	22	5	14	9	22	-	-
Highway Vehicles Motorized	1,462	8	14	11	20	4	12	7	17	-	-
Passenger Vehicles -- Automobiles, Buses, and Passenger Vans	257	-	-	-	-	-	-	-	-	-	-
Trucks -- motorized, freight hauling, and utility	889	7	14	11	18	4	12	7	16	-	-
Multi-purpose Highway Vehicles	309	-	-	-	2	-	-	-	1	-	-

<b>Off-Road and Industrial Vehicles -- Powered</b>	266	3	1	-	-	-	2	1	5	-	-
<b>Industrial Vehicles, Material Hailing, and Transport -- Powered</b>	84	-	1	-	-	-	-	1	4	-	-
<b>Forklift, Order Picker, Platform Truck -- Powered</b>	78	-	1	-	-	-	-	1	4	-	-
<b>Tractors, PTOs</b>	125	-	-	-	-	-	2	-	-	-	-
<b>Secondary Source (4) (6):</b>											
<b>Chemicals and Chemical products</b>	40	-	-	-	-	-	-	-	-	-	-
<b>Containers, Furniture, and Fixtures</b>	48	-	-	-	-	-	-	-	-	-	-
<b>Machinery</b>	147	4	3	-	4	-	-	3	1	-	-
<b>Parts and Materials</b>	239	73	73	49	63	47	63	51	72	72	46
<b>Machine, Tool, and Electric Parts</b>	85	71	72	48	62	46	63	51	72	72	-
<b>Persons, Plants, Animals, and Minerals</b>	224	-	-	1	-	-	-	-	-	-	-
<b>Plants, Trees, Vegetations -- Not Processed</b>	179	-	-	1	-	-	-	-	-	-	-
<b>Trees, Logs, Limbs</b>	176	-	-	1	-	-	-	-	-	-	-
<b>Structures and Surfaces</b>	984	1	-	3	-	-	-	-	-	-	-
<b>Confined Spaces</b>	49	1	-	3	-	-	-	-	-	-	-
<b>Structures other than Buildings</b>	165	-	-	-	-	-	-	-	-	-	-
<b>Floors, Walkways, Ground Surfaces</b>	642	-	-	-	-	-	-	-	-	-	-
<b>Tools, Instruments, and Equipment</b>	581	-	-	-	-	-	-	-	-	-	3
<b>Vehicles</b>	724	1	2	-	-	3	-	3	-	-	-
<b>Highway Vehicles Motorized</b>	645	1	2	-	-	3	-	2	-	-	-
<b>Off-Road and Industrial vehicles -- Powered</b>	27	-	-	-	-	-	-	1	-	-	-
<b>Nature (4):</b>											
<b>Traumatic Injuries to Bones, Nerves, Spinal Cord</b>	193	-	-	-	-	-	-	-	-	-	-
<b>Traumatic Injuries to Muscles, Tendons, Ligaments, Joints, ETC.</b>	13	-	-	-	-	-	-	-	-	-	-
<b>Open Wounds</b>	548	-	-	-	-	-	-	-	-	-	-
<b>Gunshot Wounds</b>	448	-	-	-	-	-	-	-	-	-	-
<b>Surface Wounds and Bruises</b>	7	-	-	-	-	-	-	-	-	-	-
<b>Burns and Corrosions</b>	63	3	-	6	7	-	-	-	-	-	-
<b>Intracranial Injuries</b>	694	-	-	-	-	-	-	-	-	-	-
<b>Effects of Environmental Conditions</b>	57	-	-	-	-	-	-	-	-	-	-
<b>Multiple Traumatic Injuries and Disorders</b>	1,771	-	-	-	-	3	-	-	-	-	-



Burns and other Injuries except Fractures	64	-	-	-	-	-	-	-	-	-	-
Intracranial Injuries and Injuries to Internal Organs	220	-	-	-	-	-	-	-	-	-	-
Other Traumatic Injuries and Disorders	1,399	171	154	135	146	130	150	135	159	-	119
Asphyxiations, Strangulations, Suffocations	299	-	-	-	-	-	-	-	-	-	-
Drownings	133	-	-	-	-	-	-	-	-	-	-
Electrocutions, Electric Shocks	120	171	154	135	146	130	150	135	159	-	-
Internal Injuries to Organs and Blood Vessels of the Trunk	353	-	-	-	-	-	-	-	-	-	-
Other Poisoning, Toxic, Noxious, or Allergenic Effects	482	-	-	-	-	-	-	-	-	-	-
Part of Body (4):											
Head	896	-	-	-	-	-	-	-	-	-	-
Neck including Throat	244	-	-	-	-	-	-	-	-	-	-
Trunk	643	-	-	-	-	-	-	-	-	-	1
Chest including Ribs, Internal Organs	268	-	-	-	-	-	-	-	-	-	1
Back including Spine, Spinal Cord	52	-	-	-	-	-	-	-	-	-	-
Upper Extremities	18	-	-	-	-	-	-	-	-	-	-
Lower Extremities	77	1	-	-	-	-	-	-	-	-	-
Body Systems	925	171	154	136	147	131	151	135	159	166	120
Multiple BodyParts	1,956	-	-	5	7	3	3	-	-	-	5
Head and Neck	115	-	-	-	-	-	-	-	-	-	-
Head, Neck, and Trunk	72	-	-	-	-	-	-	-	-	-	-
Head and Trunk	243	-	-	-	-	-	-	-	-	-	-
Other Multiple Body Parts	427	-	-	-	4	3	1	-	-	-	-
Whole Body	34	-	-	-	-	-	-	-	-	-	-
Worker Activity:											
Vehicular and Transportations Operations	1,851	5	-	-	10	5	7	3	5	-	-
Using or Operating Tools, Machinery	349	41	33	28	34	22	29	30	36	47	28
Constructing, Repairing, Cleaning	916	102	94	92	88	85	97	86	100	87	81
Protective Service Activities	123	-	-	-	1	-	1	-	-	-	-
Material Handling Operations	230	16	17	12	13	17	10	14	15	16	10
Physical Activities	264	4	5	4	5	3	6	1	4	4	-
Other Activities	400	-	-	-	3	-	-	-	-	-	-
Tending a Retail Establishment Waiting on Customers	152	-	-	-	-	-	1	-	-	-	-

<b>Location:</b>											
Private Residence	551	49	46	44	52	40	57	46	56	49	42
Farm	362	23	16	9	10	11	10	7	11	10	9
Mine and Quarry	32	-	-	1	3	-	-	-	3	-	-
Industrial Place and Premises	1,035	50	47	46	46	40	45	36	42	50	39
Place for Recreation and Sport	58	3	-	-	3	5	6	4	-	-	-
Street and Highway	1,458	21	18	18	19	17	16	17	21	19	17
Public Building	622	20	11	12	14	10	15	15	16	22	10
Residential Institution	34	-	-	-	-	1	-	1	1	-	-
<b>Occupation (7):</b>											
Management Occupations	361	5	9	4	8	3	5	5	3	2	6
Business and Financial Operations Occupations	23	-	-	-	-	-	-	-	-	-	-
Computer and Mathematical Occupations	8	-	-	-	-	-	-	-	-	-	-
Architecture and Engineering Occupations	31	-	3	-	-	-	1	-	-	-	-
Life, Physical, and Social Science Occupations	17	-	1	-	-	-	1	-	-	-	-
Community and Social Service Occupations	26	-	-	-	-	-	-	-	-	-	-
Legal Occupations	5	-	-	-	-	-	-	-	-	-	-
Education, Training, and Library Occupations	13	-	-	-	-	-	-	-	-	-	-
Arts, Design, Entertainment, Sports, and Media Occupations	36	-	-	1	-	-	-	-	-	-	-
Healthcare Practitioners and Technical Occupations	51	-	-	-	-	-	-	-	-	-	-
Healthcare Support Occupations	44	-	-	-	-	-	-	-	-	-	-
Protective Service Occupations	229	-	-	-	-	1	2	-	-	-	-
Food Preparations and Serving Related Occupations	82	-	-	-	1	-	-	-	-	-	-
Building and Grounds Cleaning and Maintenance Occupations	307	21	19	16	17	11	23	19	24	28	17
Personal Care and Service Occupations	58	-	-	-	-	-	-	-	-	-	-
Sales and Related Occupations	200	-	-	-	-	-	1	-	-	-	-
Office and Administrative Support Occupations	69	-	-	-	-	-	-	-	-	-	-
Farming, Fishing, and Forestry Occupations	264	15	8	7	5	4	3	4	8	6	4
Construction and Extraction Occupations	976	69	76	65	68	68	69	56	75	71	56
Installation, Maintenance, and Repair Occupations	393	37	32	31	33	31	38	35	34	36	25
Production Occupations	224	11	3	6	8	8	6	6	6	-	-

<b>Transportations and Material Moving Occupations</b>	1,282	8	5	3	10	7	-	4	10	11	7
<b>Military Specific Occupations (8)</b>	-	-	-	-	-	-	-	1	-	-	-
<b>Industry (9):</b>											
<b>Private Industry</b>	4,349	166	152	137	147	130	151	131	157	154	118
<b>Goods producing</b>	-	113	98	94	101	97	101	85	113	-	-
<b>Natural Resources and Mining (10)</b>	589	24	21	14	15	9	11	7	16	-	13
<b>Constructions</b>	1,008	69	66	71	74	81	82	71	86	-	53
<b>Manufacturing</b>	340	20	11	9	12	7	8	7	11	-	10
<b>Service-Providing</b>	-	53	54	43	46	33	50	46	44	-	-
<b>Trade, Transportation, and Utilities</b>	1,254	16	16	13	16	9	9	12	6	15	-
<b>Information</b>	31	3	1	-	-	-	-	-	-	-	-
<b>Financial Activities</b>	93	1	3	-	3	-	-	-	1	-	4
<b>Professional and Business Services</b>	-	23	30	20	19	18	28	20	29	-	-
<b>Education and Health Services</b>	145	-	-	-	-	-	-	1	-	1	-
<b>Leisure and Hospitality</b>	219	4	-	3	6	-	5	7	-	-	-
<b>Other Services</b>	188	5	-	5	-	-	4	4	5	-	3
<b>Government (11)</b>	415	8	4	4	7	4	3	5	3	12	-
<b>Federal Government</b>	95	-	-	-	-	-	-	-	-	-	-
<b>State Government</b>	67	3	-	-	-	2	1	-	-	-	-
<b>Local Government</b>	251	5	-	3	6	-	-	3	3	8	-

#### Footnotes

(1) May include volunteers and workers receiving other types of compensation.

(2) Includes self-employed workers owners of unincorporated businesses and farms paid and unpaid family workers and may include some owners of incorporated businesses or members of partnerships.

(3) Persons identified as Hispanic or Latino may be of any race. The race categories shown exclude data for Hispanics and Latinos.

(4) Based on the BLS Occupational Injury and Illness Classification System (OIICS) 2.01 implemented for 2011 data forward.

(5) The primary source of a fatal occupational injury is the object substance person bodily motion or exposure which most directly led to produced or inflicted the injury or illness.

(6) The secondary source of a fatal occupational injury is the object substance person or exposure other than the source if any which most actively generated the source or contributed to the injury or illness.

(7) CFI has used several versions of the Standard Occupation Classification (SOC) system since 2003 to define occupation. For more information on the version of SOC used in this year see our definitions page: <http://www.bls.gov/iif/oshcfdef.htm>.

(8) Includes fatal injuries to persons identified as resident armed forces regardless of individual occupation listed.

(9) CFI has used several versions of the North American Industry Classification System (NAICS) since 2003 to define industry. For more information on the version of NAICS used in this year see our definitions page: <http://www.bls.gov/iif/oshcfdef.htm>.

(10) Includes fatal injuries at all establishments categorized as Mining (Sector 21) in the North American Industry Classification System including establishments not governed by the Mine Safety and Health Administration (MSHA) rules and reporting such as those in Oil and Gas Extraction.

(11) Includes all fatal occupational injuries meeting this ownership criterion across all specified years regardless of industry classification system.

NOTE: 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." CFI fatality counts exclude illness-related deaths unless precipitated by an injury event. Data for all years are final unless footnoted by "P" for preliminary data.

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, Dec 16, 2021

Table 5

Number of NonFatal Occupational Injuries and Illnesses Involving Days Away from Work (1) by Selected Worker and Case Characteristics and Event or Exposure. All of U.S., Private Industry, 2011 - 2020

Characteristic	All Events	Exposure to Electricity Code (51XXXX)									
	2020	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
<b>Total:</b>	1,176,340	2,250	1,700	2,090	1,850	2,480	1,640	2,210	1,560	1,900	2,220
<b>Gender:</b>											
Men	577,990	1,910	1,400	1,750	1,530	2,190	1,290	1,650	1190	1510	1990
Women	585,540	350	280	330	310	270	330	550	350	380	220
<b>Age:</b>											
Under 14	-	-	-	-	-	-	-	-	-	-	-
14 - 15	180	-	-	-	-	-	-	-	-	-	-
16 - 19	32,790	30	-	40	80	20	30	20	30	-	50
20 - 24	108,800	280	250	230	210	260	360	80	80	300	490
25 - 34	250,050	520	480	450	560	590	470	850	410	470	540
35 - 44	232,790	560	300	660	580	590	380	480	440	230	490
45 - 54	241,620	640	430	500	270	540	190	290	210	610	360
55 - 64	217,100	150	110	190	140	450	150	470	350	270	160
65 Years and Over	53,480	20	70	-	-	-	-	20	20	20	20
<b>Occupation (6):</b>											
Management, Business, Financial	49,930	50	90	20	-	40	30	30	30	-	50
Computer, Engineering and Science	6,860	30	30	30	30	20	20	40	40	-	30
Education, Legal, Community Service, Arts, and Media	21,610	-	-	-	40	-	-	-	70	90	-
Healthcare Practitioners and Technical	177,650	30	30	80	20	40	20	370	30	50	20
Service	328,020	380	200	380	270	760	280	740	350	150	560
Sales and Related	60,130	30	50	30	60	60	80	40	40	110	20
Office and Administrative Support	49,770	50	60	30	20	70	30	-	20	-	20
Farming, Fishing, and Forestry	15,990	20	-	20	-	-	30	-	-	-	-
Construction and Extraction	69,790	580	350	460	600	570	420	330	200	510	470

Installation, Maintenance, and Repair	77,770	700	560	800	450	580	430	350	390	660	680
Production	111,150	220	240	160	240	300	210	150	190	250	250
Transportation and Material Moving	205,580	130	90	60	90	30	90	140	90	50	110
Length of Service with Employer:											
Less than 3 Months	114,430	260	170	180	120	350	160	410	140	150	570
3 Months to 11 Months	217,130	410	310	380	550	500	530	280	320	440	230
1 year to 5 Years	419,280	710	620	970	680	800	550	1,050	510	870	720
More Than 5 Years	392,850	820	580	540	470	810	350	450	560	430	680
Race or Ethnic Origin (3):											
White	367,280	1,420	750	680	810	1,180	650	1,300	520	960	900
Black or African American	106,730	160	120	120	160	290	170	180	110	70	110
Hispanic or Latino	160,880	200	210	190	290	340	200	190	210	160	280
Asian	21,090	-	40	-	-	20	-	-	-	20	-
Native Hawaiian or Pacific Islander	4,200	-	-	-	-	-	-	-	-	-	-
American Indian or Alaska Native	4,130	-	30	-	40	30	-	-	-	-	-
Hispanic and Other	1,010	-	-	-	-	-	-	-	-	-	-
Multi-Race	980	-	-	-	-	-	-	-	-	-	-
Not Reported	510,050	450	550	1,090	540	630	610	530	700	680	920
Number of Days Away from Work											
Cases Involving 1 Day	100,210	350	570	280	630	330	330	570	300	410	570
Cases Involving 2 Days	80,750	400	160	370	220	400	260	210	280	190	530
Cases Involving 3 - 5 Days	151,970	330	250	190	170	530	250	290	340	210	270
Cases Involving 6 - 10 Days	215,650	220	190	120	150	120	230	50	150	460	120
Cases Involving 11 - 20 Days	265,690	270	110	120	120	340	50	150	150	140	170
Cases Involving 21 - 30 Days	89,440	170	60	100	110	100	110	220	70	60	90
Cases Involving 31 or More Days	272,630	530	370	900	450	650	410	730	270	440	470
Median Days Away from Work	12	6	4	16	4	5	5	10	4	9	3
Industry Sector:											
Goods Producing Industries (2)	223,150	1,030	600	780	1,040	1,170	860	710	680	820	780
Natural Resources and Mining (2) (3)	22,730	30	-	70	30	50	100	90	120	-	-
Agriculture, Forestry, Fishing, and Hunting	18,750	-	-	60	20	20	40	30	90	-	-
Mining (3)	3,980	20	-	-	20	20	60	50	30	-	-

[illegible]

<b>Punctures (Except Gunshot Wounds)</b>	14,980	-	-	-	-	-	-	-	-	-	-
<b>Bruises, Contusions</b>	68,990	-	-	-	-	-	-	-	-	-	-
<b>Chemical Burns, and Corrosions</b>	3,540	-	-	-	-	-	-	-	-	-	-
<b>Heat (Thermal) Burns</b>	11,840	-	-	-	-	-	-	-	-	-	-
<b>Multiple Traumatic Injuries</b>	20,140	-	-	-	-	-	-	-	-	-	-
<b>With Sprains and Other Injuries</b>	10,280	-	-	-	-	-	-	-	-	-	-
<b>With Fractures and Other Injuries</b>	3,230	-	-	-	-	-	-	-	-	-	-
<b>Soreness, Pain</b>	150,490	-	-	-	-	-	-	-	-	-	-
<b>Carpal tunnel Syndrome</b>	3,910	-	-	-	-	-	-	-	-	-	-
<b>Tendinitis</b>	1,380	-	-	-	-	-	-	-	-	-	-
<b>All Other</b>	495,760	2,250	1,690	2,090	1,850	2,480	1,640	2,210	1,550	1,900	2,220
<b>Part of Body Affected (8):</b>											
<b>Head</b>	68,170	70	80	60	260	70	30	40	-	60	50
<b>Eye</b>	15,730	40	40	20	-	50	20	-	-	50	-
<b>Neck</b>	8,900	-	-	-	-	-	-	-	-	-	-
<b>Trunk</b>	175,970	-	-	20	-	-	-	-	20	-	-
<b>Back</b>	128,220	-	-	-	-	-	-	-	-	-	-
<b>Upper Extremities</b>	246,910	650	500	220	270	290	410	660	360	300	290
<b>Shoulder</b>	63,100	-	-	-	-	-	-	-	-	-	-
<b>Arm</b>	37,300	110	90	40	40	30	90	40	30	20	60
<b>Wrist</b>	28,410	-	-	-	-	50	-	-	-	-	-
<b>Hand</b>	102,350	360	370	130	180	210	250	550	250	260	200
<b>Lower Extremities</b>	192,340	-	-	-	-	40	20	-	-	-	-
<b>Knee</b>	66,650	-	-	-	-	-	-	-	-	-	-
<b>Ankle</b>	44,220	-	-	-	-	-	-	-	-	-	-
<b>Foot</b>	44,970	-	-	-	-	-	-	-	-	-	-
<b>Toe, Toenail</b>	10,330	-	-	-	-	-	-	-	-	-	-
<b>Body Systems</b>	405,590	1,200	940	1,520	1,070	1,890	940	1,330	1,070	1,390	1,610
<b>Multiple</b>	68,560	310	130	270	240	150	230	160	80	120	220
<b>All Other</b>	9,910	-	30	-	-	30	-	-	-	20	30
<b>Source of Injury, Illness (8):</b>											
<b>Chemicals, Chemical Products</b>	10,710	-	-	-	-	-	-	-	30	-	-
<b>Containers</b>	92,780	20	-	-	-	-	-	-	20	-	-
<b>Furniture Fixtures</b>	30,540	60	50	100	60	210	50	40	30	50	460





<b>12:01 AM - 4:00 AM</b>	26,200	40	40	30	50	50	20	30	30	30	20
<b>4:01 AM - 8:00 AM</b>	88,180	230	160	130	170	480	150	160	70	140	140
<b>8:01 AM - 12:00 PM</b>	237,200	920	630	870	500	740	470	630	570	680	610
<b>12:01 PM - 4:00 PM</b>	176,130	460	400	510	680	380	460	670	320	420	270
<b>4:01 PM - 8:00 PM</b>	90,620	180	190	210	210	210	210	230	200	110	500
<b>8:01 PM - 12:00 AM</b>	54,270	90	100	40	100	160	70	70	250	70	120
<b>Not Reported</b>	503,730	350	170	290	150	460	260	440	110	440	560

#### Hours Worked:

<b>Occurred Before Shift Began</b>	5,530	-	-	-	-	-	-	-	-	-	-
<b>Less than 1 Hour</b>	83,950	310	180	90	60	490	80	170	140	110	50
<b>1 - 2 Hours</b>	72,380	170	100	130	120	260	110	150	90	180	210
<b>2 - 4 Hours</b>	161,700	550	470	820	340	370	310	330	370	360	330
<b>4 - 6 Hours</b>	133,400	300	250	280	640	340	280	540	320	380	720
<b>6 - 8 Hours</b>	108,390	350	300	230	350	290	250	300	240	220	220
<b>8 - 10 Hours</b>	56,250	130	80	160	50	180	200	60	140	110	80
<b>10 - 12 Hours</b>	18,430	40	80	30	70	-	30	30	50	20	30
<b>12 - 16 Hours</b>	11,020	-	-	-	20	20	60	130	-	-	-
<b>More Than 16 Hours</b>	1,380	-	-	-	-	-	-	-	-	-	-
<b>Not Reported</b>	523,910	410	210	330	190	530	300	500	220	520	590

#### Footnotes

- (1) Days away from work include those that result in days away from work with or without job transfer or restriction.
- (2) Standard Occupational Classification Manual, 2010, Office of Management and Budget
- (3) Median days away from work is the measure used to summarize the varying lengths of absences from work among the cases with days away from work. Half the cases involved more days and half involved less days than a specified median. Median days away from work are represented in actual values.
- (4) Excludes farms with fewer than 11 employees.
- (5) Data for mining (Sector 21 in the North American Industry Classification System -- United States, 2007) include establishments not governed by the Mine Safety and Health Administration (MSHA) rules and reporting, such as those in oil and gas extraction and related support activities. Data for mining operators in coal, metal, and nonmetal mining are provided to BLS by the Mine Safety and Health Administration, U.S. Department of Labor. Independent mining contractors are excluded from the coal, metal, and nonmetal mining industries. These data do not reflect the changes Occupational Safety and Health Administration made to its recordkeeping requirements effective January 1, 2002; therefore estimates for these industries are not comparable with estimates for other industries.
- (6) Data for employers in railroad transportation are provided to BLS by the Federal Railroad Administration, U.S. Department of Transportation. These data do not reflect the changes Occupational Safety and Health Administration made to its recordkeeping requirements effective January 1, 2002; therefore estimates for these industries are

not comparable with estimates for other industries.

(7) Musculoskeletal disorders (MSDs) include cases where the nature of the injury or illness is pinched nerve; herniated disc; meniscus tear; sprains, strains, tears; hernia (traumatic and nontraumatic); pain, swelling, and numbness; carpal or tarsal tunnel syndrome; Raynaud's syndrome or phenomenon; musculoskeletal system and connective tissue diseases and disorders, when the event or exposure leading to the injury or illness is overexertion and bodily reaction, unspecified; overexertion involving outside sources; repetitive motion involving microtasks; other and multiple exertions or bodily reactions; and rubbed, abraded, or jarred by vibration.

(8) Occupational Injury and Illness Classification System 2.01

NOTE: Because of rounding and data exclusion of nonclassifiable responses, data may not sum to the totals. Dashes indicate data that do not meet publication guidelines. The scientifically selected probability sample used was one of many possible samples, each of which could have produced different estimates. A measure of sampling variability for each estimate is available upon request -- please contact [iifstaff@bls.gov](mailto:iifstaff@bls.gov) or call (202) 691-6170. For additional information about methodology and coding structures, see the BLS Handbook of Methods chapter 9: <https://www.bls.gov/opub/hom/homch9.htm> .

SOURCE: Bureau of Labor Statistics, U.S. Department of Labor, Dec 16, 2021

Table 6

Number of NonFatal Occupational Injuries and Illnesses Involving Days Away from Work (1) by Selected Worker and Case Characteristics and Nature of Condition. All of U.S., Private Industry, 2011 - 2020

Characteristic	All Natures	Electrocutions, Electric Shocks (193XXX)									
	2020	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
<b>Total:</b>	1,176,340	1,290	980	1,530	1,080	1,910	960	1,330	1,080	1,390	1,610
<b>Gender:</b>											
<b>Men</b>	577,990	1,030	740	1,230	820	1,640	630	850	830	1,040	1,430
<b>Women</b>	585,540	250	240	300	250	250	310	470	230	340	180
<b>Age:</b>											
<b>Under 14</b>	-	-	-	-	-	-	-	-	-	-	-
<b>14 - 15</b>	180	-	-	-	-	-	-	-	-	-	-
<b>16 - 19</b>	32,790	30	-	30	80	20	30	-	-	-	-
<b>20 - 24</b>	108,800	170	200	170	160	180	270	40	60	230	460
<b>25 - 34</b>	25,050	280	290	330	380	500	250	660	300	380	390
<b>35 - 44</b>	232,790	220	200	570	240	400	180	310	230	150	400
<b>45 - 54</b>	241,260	440	180	320	160	460	110	190	180	520	270
<b>55 - 64</b>	217,100	80	50	120	60	330	90	120	290	110	50
<b>65 Years and Over</b>	53,480	-	-	-	-	-	-	-	-	-	-
<b>Occupation (6):</b>											
<b>Management, Business, Financial</b>	49,930	40	60	20	-	40	20	30	30	-	50
<b>Computer, Engineering and Science</b>	6,860	20	-	20	20	20	20	-	-	-	-
<b>Education, legal, Community Service, Arts, and Media</b>	21,610	-	-	-	40	-	-	-	-	90	-
<b>Healthcare Practitioners and Technical</b>	177,650	20	30	80	20	30	-	370	30	50	20
<b>Service</b>	328,020	310	130	300	260	730	240	390	310	120	530
<b>Sales and Related</b>	60,130	30	40	20	40	50	80	30	30	110	20
<b>Office and Administrative Support</b>	49,770	20	50	20	20	70	30	-	20	-	20
<b>Farming, Fishing, and Forestry</b>	15,990	-	-	20	-	-	30	-	-	-	-
<b>Construction and Extraction</b>	69,790	220	150	310	150	370	110	120	90	280	230

Installation, Maintenance, and Repair	77,770	370	250	530	260	330	210	190	260	480	460
Production	111,150	170	160	140	200	230	130	80	160	210	200
Transportation and Material Moving	205,580	60	80	60	70	30	70	90	40	50	70
Length of Service with Employer:											
Less than 3 Months	114,430	140	150	120	70	280	80	380	60	80	490
3 Months to 11 Months	217,130	240	170	320	220	440	290	160	240	320	100
1 year to 5 Years	419,280	370	350	790	500	570	320	510	420	720	530
More Than 5 Years	392,850	480	300	290	270	600	220	260	350	260	480
Race or Ethnic Origin (3):											
White	367,280	790	370	460	380	970	320	730	350	700	640
Black or African American	106,730	100	50	100	150	260	150	120	90	50	90
Hispanic or Latino	160,880	70	120	100	210	230	100	90	130	80	150
Asian	21,090	-	20	-	-	-	-	-	-	-	-
Native Hawaiian or Pacific Islander	4,200	-	-	-	-	-	-	-	-	-	-
American Indian or Alaska Native	4,130	-	30	-	-	-	-	-	-	-	-
Hispanic and Other	1,010	-	-	-	-	-	-	-	-	-	-
Multi-Race	980	-	-	-	-	-	-	-	-	-	-
Not Reported	510,050	330	390	860	300	430	380	380	500	540	720
Number of Days Away from Work											
Cases Involving 1 Day	100,210	290	420	220	350	270	270	490	210	360	470
Cases Involving 2 Days	80,750	270	140	350	180	370	180	120	250	130	490
Cases Involving 3 - 5 Days	151,970	220	100	90	140	440	200	240	270	150	200
Cases Involving 6 - 10 Days	215,650	90	80	70	60	80	90	30	50	350	60
Cases Involving 11 - 20 Days	265,690	100	40	70	50	190	20	70	100	70	50
Cases Involving 21 - 30 Days	89,440	70	20	20	60	50	60	180	30	20	40
Cases Involving 31 or More Days	272,630	240	160	720	240	510	140	210	170	310	290
Median Days Away from Work	12	4	2	16	3	5	3	3	3	8	2
Industry Sector:											
Goods Producing Industries (2)	223,150	460	320	570	440	840	380	310	480	510	470
Natural Resources and Mining (2) (3)	22,730	-	-	50	20	30	40	40	110	-	-
Agriculture, Forestry, Fishing, and Hunting	18,750	-	-	50	20	20	40	-	90	-	-

[illegible]

Animal and Inspect Related Incidents	11,560	-	-	-	-	-	-	-	-	-	-	-
Transportation Incidents	41,010	-	-	-	-	-	-	-	-	-	-	-
Roadway Incidents Involving Motorized Land Vehicles	25,830	-	-	-	-	-	-	-	-	-	-	-
Fires Explosions	1,770	-	-	-	-	-	-	-	-	-	-	-
Falls, Slips, Trips	211,640	-	-	-	-	-	-	-	-	-	-	-
Slip, Trips without Fall	30,160	-	-	-	-	-	-	-	-	-	-	-
Fall on Same Level	127,680	-	-	-	-	-	-	-	-	-	-	-
Fall to Lower Level	49,250	-	-	-	-	-	-	-	-	-	-	-
Exposure to Harmful Substances or Environments	424,360	1,290	970	1,530	1,080	1,900	940	1,330	1,080	1,390	1,610	
Contact with Object Equipment	196,140	-	-	-	-	-	-	-	-	-	-	-
Struck by Object	110,320	-	-	-	-	-	-	-	-	-	-	-
Struck Against Object	44,940	-	-	-	-	-	-	-	-	-	-	-
Caught in Object Equipment Material	29,270	-	-	-	-	-	-	-	-	-	-	-
Overexertion and Bodily Reaction	255,490	-	-	-	-	-	-	-	-	-	-	-
Overexertion in Lifting or Lowering	79,360	-	-	-	-	-	-	-	-	-	-	-
Repetitive Motion Involving Microtasks	16,330	-	-	-	-	-	-	-	-	-	-	-
All Other	6,620	-	-	-	-	-	-	-	-	-	-	-
Part of Body Affected (9):												
Head	68,170	-	-	-	-	-	-	-	-	-	-	-
Eye	15,730	-	-	-	-	-	-	-	-	-	-	-
Neck	8,900	-	-	-	-	-	-	-	-	-	-	-
Trunk	175,970	-	-	-	-	-	-	-	-	-	-	-
Back	128,220	-	-	-	-	-	-	-	-	-	-	-
Upper Extremities	246,910	80	20	-	-	-	-	-	-	-	-	-
Shoulder	63,100	-	-	-	-	-	-	-	-	-	-	-
Arm	37,300	-	-	-	-	-	-	-	-	-	-	-
Wrist	28,410	-	-	-	-	-	-	-	-	-	-	-
Hand	102,350	70	-	-	-	-	-	-	-	-	-	-
Lower Extremities	192,340	-	-	-	-	-	-	-	-	-	-	-
Knee	66,650	-	-	-	-	-	-	-	-	-	-	-
Ankle	44,220	-	-	-	-	-	-	-	-	-	-	-
Foot	44,970	-	-	-	-	-	-	-	-	-	-	-
Toe, Toenail	10,330	-	-	-	-	-	-	-	-	-	-	-
Body Systems	405,590	1,200	940	1,520	1,070	1,900	960	1,330	1,070	1,390	1,610	

Multiple	68,560	-	-	-	-	-	-	-	-	-	-
All Other	9,910	-	-	-	-	-	-	-	-	-	-
Source of Injury, Illness (9):											
Chemicals, Chemical Products	10,710	-	-	-	-	-	-	-	-	-	-
Containers	92,780	20	-	-	-	-	-	-	20	-	-
Furniture Fixtures	30,540	50	30	90	50	200	40	-	30	20	430
Machinery	42,120	380	320	360	200	400	270	710	250	290	210
Parts and Materials	67,130	610	430	930	610	640	510	470	530	800	810
Person, Injured, or Ill Worker	107,350	-	-	-	-	-	-	-	-	20	-
Worker Motion or Position	102,560	-	-	-	-	-	-	-	-	-	-
Person other than Injured or Ill Workers	64,500	-	-	-	-	-	-	-	-	-	-
Health Care Patient	51,670	-	-	-	-	-	-	-	-	-	-
Floors, Walkways, Ground Surfaces	129,020	-	-	-	-	-	-	-	-	-	-
Handtools	35,420	100	40	30	30	260	-	-	160	30	20
Ladders	21,180	-	-	-	-	-	-	-	-	-	-
Vehicles	84,290	40	40	-	-	-	-	20	20	30	-
Trucks	23,820	-	-	-	-	-	-	-	-	-	-
Cart, Dolly, Hand Truck -- Nonpowered	10,780	-	-	-	-	-	-	-	-	-	-
All Other	497,290	90	90	70	160	380	90	90	80	190	120
Secondary Source of Injury, Illness (8):											
Containers, Furniture and Fixtures	33,630	-	-	-	-	-	-	-	-	-	-
Machinery	8,540	60	-	-	-	-	-	-	-	-	20
Computer and Peripheral Equipment	1,860	-	-	-	-	-	-	-	-	-	-
Tools, Instruments, and Equipment	15,520	-	-	-	50	-	30	-	-	-	-
Firearms, Law Enforcement, and Other Self-Defense Equipment	500	-	-	-	-	-	-	-	-	-	-
Vehicles	31,380	-	-	-	-	-	-	-	-	-	-
Highway Vehicle Motorized	22,380	-	-	-	-	-	-	-	-	-	-
Ice, Sleet, Snow	13,960	-	-	-	-	-	-	-	-	-	-
Liquid - NonChemical	16,950	30	-	50	-	-	-	-	-	-	-
Day of Week											
Sunday	81,880	40	30	120	80	160	30	40	90	20	-



<b>Monday</b>	219,140	180	170	180	300	290	190	160	220	180	130
<b>Tuesday</b>	198,680	260	130	360	200	290	210	160	200	480	630
<b>Wednesday</b>	204,090	190	180	140	140	270	160	120	210	310	210
<b>Thursday</b>	195,460	270	180	540	180	420	110	220	170	190	450
<b>Friday</b>	174,830	270	120	110	110	130	140	420	90	140	30
<b>Saturday</b>	102,260	80	160	80	70	360	120	200	110	70	150

<b>Time of Day:</b>											
<b>12:01 AM - 4:00 AM</b>	26,200	30	-	30	20	50	-	-	20	20	-
<b>4:01 AM - 8:00 AM</b>	88,180	150	60	80	90	420	70	70	40	90	120
<b>8:01 AM - 12:00 PM</b>	237,200	520	380	690	290	560	300	370	330	480	210
<b>12:01 PM - 4:00 PM</b>	176,130	210	270	380	330	270	240	550	190	290	190
<b>4:01 PM - 8:00 PM</b>	90,620	100	130	180	180	160	100	190	170	70	460
<b>8:01 PM - 12:00 AM</b>	54,270	70	50	30	60	140	60	50	230	40	100
<b>Not Reported</b>	503,730	200	80	140	110	320	190	90	100	400	510

<b>Hours Worked:</b>											
<b>Occurred Before Shift Began</b>	5,530	-	-	-	-	-	-	-	-	-	-
<b>Less than 1 Hour</b>	83,950	140	60	60	40	440	60	110	60	60	40
<b>1 - 2 Hours</b>	72,380	110	60	80	50	180	90	60	70	160	120
<b>2 - 4 Hours</b>	161,700	380	300	710	190	260	190	220	280	230	130
<b>4 - 6 Hours</b>	133,400	160	140	200	270	250	180	420	210	290	560
<b>6 - 8 Hours</b>	108,390	200	200	190	280	250	130	230	190	120	160
<b>8 - 10 Hours</b>	56,250	20	70	100	30	150	50	20	50	50	50
<b>10 - 12 Hours</b>	18,430	-	70	20	70	-	-	-	30	-	-
<b>12 - 16 Hours</b>	11,020	-	-	-	-	-	-	130	-	-	-
<b>More Than 16 Hours</b>	1,380	-	-	-	-	-	-	-	-	-	-
<b>Not Reported</b>	523,910	250	90	150	120	370	250	140	180	460	530

Footnotes

(1) Days away from work include those that result in days away from work with or without job transfer or restriction.

(2) Data are coded using the Standard Occupational Classification (SOC). For more information on the version of SOC used in this year, see our Handbook of Methods

concepts page: <https://www.bls.gov/opub/hom/soii/concepts.htm>.

(3) Median days away from work is the measure used to summarize the varying lengths of absences from work among the cases with days away from work. Half the cases involved more days and half involved less days than a specified median. Median days away from work are represented in actual values.

(4) Data are coded using the North American Industry Classification System (NAICS). For more information on the version of NAICS used in this year, see our Handbook of Methods concepts page: <https://www.bls.gov/opub/hom/soii/concepts.htm>.

(5) Excludes farms with fewer than 11 employees.

(6) Data for Mining (Sector 21 in the North American Industry Classification System) include establishments not governed by the Mine Safety and Health Administration (MSHA) rules and reporting, such as those in oil and gas extraction and related support activities. Data for mining operators in coal, metal, and nonmetal mining are provided to BLS by the Mine Safety and Health Administration, U.S. Department of Labor. Independent mining contractors are excluded from the coal, metal, and nonmetal mining industries. These data do not reflect changes the Occupational Safety and Health Administration made to its recordkeeping requirements effective January 1, 2002; therefore, estimates for these industries are not comparable to estimates of other industries.

(7) Data for employers in railroad transportation are provided to BLS by the Federal Railroad Administration, U.S. Department of Transportation. These data do not reflect the changes Occupational Safety and Health Administration made to its recordkeeping requirements effective January 1, 2002; therefore estimates for these industries are not comparable with estimates for other industries.

(8) Musculoskeletal disorders (MSDs) include cases where the nature of the injury or illness is pinched nerve; herniated disc; meniscus tear; sprains, strains, tears; hernia (traumatic and nontraumatic); pain, swelling, and numbness; carpal or tarsal tunnel syndrome; Raynaud's syndrome or phenomenon; musculoskeletal system and connective tissue diseases and disorders, when the event or exposure leading to the injury or illness is overexertion and bodily reaction, unspecified; overexertion involving outside sources; repetitive motion involving microtasks; other and multiple exertions or bodily reactions; and rubbed, abraded, or jarred by vibration.

(9) Occupational Injury and Illness Classification System 2.01

NOTE: Because of rounding and data exclusion of nonclassifiable responses, data may not sum to the totals. Dashes indicate data that do not meet publication guidelines. The scientifically selected probability sample used was one of many possible samples, each of which could have produced different estimates. A measure of sampling variability for each estimate is available upon request -- please contact [iifstaff@bls.gov](mailto:iifstaff@bls.gov) or call (202) 691-6170. For additional information about methodology and coding structures, see the BLS Handbook of Methods chapter 9: <https://www.bls.gov/opub/hom/homch9.htm>.

SOURCE: Bureau of Labor Statistics, U.S. Department of Labor, Dec 16, 2021

Table 7

Number of NonFatal Occupational Injuries and Illnesses Involving Days Away from Work (1) by Selected Worker and Case Characteristics and Nature of Condition. All of U.S., Private Industry, 2011 - 2020

Characteristic	All Natures	Electrical Burns (153XXX)									
	2020	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
<b>Total:</b>	1,176,340	1,020	740	560	780	580	760	900	490	510	620
<b>Gender:</b>											
Men	577,990	920	680	520	730	550	730	810	370	470	570
Women	585,540	90	50	30	50	20	20	80	120	40	50
<b>Age:</b>											
Under 14	-	-	-	-	-	-	-	-	-	-	-
14 - 15	180	-	-	-	-	-	-	-	-	-	-
16 - 19	32,790	-	-	20	-	-	-	-	30	-	40
20 - 24	108,800	110	50	60	6090		90	40	20	70	30
25 - 34	25,050	250	200	120	180	90	220	190	110	90	150
35 - 44	232,790	340	110	90	340	190	240	170	210	80	200
45 - 54	241,260	230	250	190	110	80	80	110	30	100	100
55 - 64	217,100	70	70	70	80	120	60	350	70	160	110
65 Years and Over	53,480	-	70	-	-	-	20	20	-	-	-
<b>Occupation (6):</b>											
Management, Business, Financial	49,930	-	20	-	-	-	-	-	-	-	-
Computer, Engineering and Science	6,860	-	30	-	20	-	-	30	40	-	30
Education, legal, Community Service, Arts, and Media	21,610	-	-	-	-	-	-	-	-	-	-
Healthcare Practitioners and Technical	177,650	-	-	-	-	-	-	-	-	-	-
Service	328,020	70	70	80	20	30	40	350	30	30	30
Sales and Related	60,130	-	-	-	30	-	-	-	-	-	-
Office and Administrative Support	49,770	20	-	-	-	-	-	-	-	-	-
Farming, Fishing, and Forestry	15,990	-	-	-	-	-	-	-	-	-	-
Construction and Extraction	69,790	390	210	150	460	190	310	220	100	230	260

Installation, Maintenance, and Repair	77,770	340	310	270	190	250	260	170	150	190	220
Production	111,150	50	80	20	40	70	80	70	30	40	50
Transportation and Material Moving	205,580	70	-	-	20	-	40	50	50	-	40
Length of Service with Employer:											
Less than 3 Months	114,430	120	20	60	50	80	110	30	70	70	80
3 Months to 11 Months	217,130	200	140	60	340	60	240	120	90	120	130
1 year to 5 Years	419,280	350	270	190	180	230	230	550	90	160	200
More Than 5 Years	392,850	350	300	250	200	220	160	190	220	170	220
Race or Ethnic Origin (3):											
White	367,280	650	380	220	430	210	370	570	180	260	250
Black or African American	106,730	60	60	20	20	20	40	70	20	20	30
Hispanic or Latino	160,880	150	100	90	80	100	100	100	80	80	130
Asian	21,090	-	20	-	-	20	-	-	-	-	-
Native Hawaiian or Pacific Islander	4,200	-	-	-	-	-	-	-	-	-	-
American Indian or Alaska Native	4,130	-	-	-	-	30	-	-	-	-	-
Hispanic and Other	1,010	-	-	-	-	-	-	-	-	-	-
Multi-Race	980	-	-	-	-	-	-	-	-	-	-
Not Reported	510,050	140	180	230	240	200	230	160	200	140	210
Number of Days Away from Work											
Cases Involving 1 Day	100,210	60	150	70	280	70	140	80	90	40	100
Cases Involving 2 Days	80,750	120	20	30	50	30	80	90	30	50	50
Cases Involving 3 - 5 Days	151,970	110	150	100	40	90	40	60	60	50	50
Cases Involving 6 - 10 Days	215,650	150	110	50	100	50	130	20	110	110	50
Cases Involving 11 - 20 Days	265,690	170	80	50	70	150	30	80	60	70	120
Cases Involving 21 - 30 Days	89,440	110	30	80	50	50	50	40	40	40	60
Cases Involving 31 or More Days	272,630	290	210	180	210	140	280	530	100	130	190
Median Days Away from Work	12	13	7	15	9	13	10	42	10	10	13
Industry Sector:											
Goods Producing Industries (2)	223,150	600	310	230	610	330	490	420	200	310	320
Natural Resources and Mining (2) (3)	22,730	30	-	30	30	-	70	50	20	-	-
Agriculture, Forestry, Fishing, and Hunting	18,750	-	-	-	-	-	-	30	-	-	-

[illegible]

[illegible]

<b>Multiple</b>	68,560	340	120	270	240	150	230	160	70	120	230
<b>All Other</b>	9,910	-	30	-	-	30	20	20	20	20	30
<b>Source of Injury, Illness (9):</b>											
<b>Chemicals, Chemical Products</b>	10,710	-	-	-	-	-	-	40	30	-	-
<b>Containers</b>	92,780	-	-	-	-	-	-	-	-	-	-
<b>Furniture Fixtures</b>	30,540	-	20	-	-	-	-	30	-	30	30
<b>Machinery</b>	42,120	60	70	50	40	70	90	390	80	50	40
<b>Parts and Materials</b>	67,130	700	570	450	660	460	520	370	310	370	480
<b>Person, Injured, or Ill Worker</b>	107,350	-	-	-	-	-	-	-	-	-	-
<b>Worker Motion or Position</b>	102,560	-	-	-	-	-	-	-	-	-	-
<b>Person other than Injured or Ill Workers</b>	64,500	110	-	-	-	-	-	-	-	-	-
<b>Health Care Patient</b>	51,670	-	-	-	-	-	-	-	-	-	-
<b>Floors, Walkways, Ground Surfaces</b>	129,020	-	-	-	-	-	-	-	-	-	-
<b>Handtools</b>	35,420	50	20	-	-	-	60	20	50	-	-
<b>Ladders</b>	21,180	-	-	-	-	-	-	-	-	-	-
<b>Vehicles</b>	84,290	-	-	-	-	-	-	-	-	-	-
<b>Trucks</b>	23,820	-	-	-	-	-	-	-	-	-	-
<b>Cart, Dolly, Hand Truck -- Nonpowered</b>	10,780	-	-	-	-	-	-	-	-	-	-
<b>All Other</b>	497,290	90	50	50	30	30	30	40	20	20	60
<b>Secondary Source of Injury, Illness (8):</b>											
<b>Containers, Furniture and Fixtures</b>	33,630	-	-	-	-	-	-	-	-	-	-
<b>Machinery</b>	8,540	20	-	-	-	20	50	-	-	-	-
<b>Computer and Peripheral Equipment</b>	1,860	-	-	-	-	-	-	-	-	-	-
<b>Tools, Instruments, and Equipment</b>	15,520	30	-	-	20	-	20	-	-	-	-
<b>Firearms, Law Enforcement, and Other Self-Defense Equipment</b>	500	-	-	-	-	-	-	-	-	-	-
<b>Vehicles</b>	31,380	-	-	-	-	-	-	-	-	-	-
<b>Highway Vehicle Motorized</b>	22,380	-	-	-	-	-	-	-	-	-	-
<b>Ice, Sleet, Snow</b>	13,960	-	-	-	-	-	-	-	-	-	-
<b>Liquid - NonChemical</b>	16,950	-	-	-	-	-	-	-	-	-	-
<b>Day of Week</b>											
<b>Sunday</b>	81,880	30	20	20	20	-	-	20	-	-	20

<b>Monday</b>	219,140	170	100	110	80	150	80	140	110	50	20
<b>Tuesday</b>	198,680	210	140	60	130	100	230	150	20	120	410
<b>Wednesday</b>	204,090	250	130	100	90	60	50	70	130	100	70
<b>Thursday</b>	195,460	190	220	90	70	140	130	380	60	100	40
<b>Friday</b>	174,830	110	120	160	370	110	120	110	130	90	20
<b>Saturday</b>	102,260	60	20	20	20	20	130	30	20	40	50

<b>Time of Day:</b>											
<b>12:01 AM - 4:00 AM</b>	26,200	-	30	-	20	-	-	20	-	20	20
<b>4:01 AM - 8:00 AM</b>	88,180	80	110	50	90	70	90	100	30	50	20
<b>8:01 AM - 12:00 PM</b>	237,200	410	260	180	210	180	200	260	250	200	410
<b>12:01 PM - 4:00 PM</b>	176,130	270	140	130	360	110	260	120	130	130	70
<b>4:01 PM - 8:00 PM</b>	90,620	80	60	40	30	50	110	30	30	40	40
<b>8:01 PM - 12:00 AM</b>	54,270	20	50	-	40	20	-	20	20	30	20
<b>Not Reported</b>	503,730	140	100	150	40	140	70	340	20	50	50

<b>Hours Worked:</b>											
<b>Occurred Before Shift Began</b>	5,530	-	-	-	-	-	-	-	-	-	-
<b>Less than 1 Hour</b>	83,950	160	130	30	20	40	20	70	70	40	-
<b>1 - 2 Hours</b>	72,380	80	40	50	70	80	40	90	20	20	100
<b>2 - 4 Hours</b>	161,700	180	190	110	140	110	110	110	90	130	190
<b>4 - 6 Hours</b>	133,400	140	110	80	370	90	140	120	100	80	160
<b>6 - 8 Hours</b>	108,390	160	110	40	70	40	130	70	40	100	60
<b>8 - 10 Hours</b>	56,250	110	-	60	20	30	150	50	100	70	30
<b>10 - 12 Hours</b>	18,430	20	20	-	-	-	20	20	20	-	20
<b>12 - 16 Hours</b>	11,020	-	-	-	-	20	50	-	-	-	-
<b>More Than 16 Hours</b>	1,380	-	-	-	-	-	-	-	-	-	-
<b>Not Reported</b>	523,910	170	130	180	80	150	90	370	40	60	50

**Footnotes**

(1) Days away from work include those that result in days away from work with or without job transfer or restriction.

(2) Data are coded using the Standard Occupational Classification (SOC). For more information on the version of SOC used in this year, see our Handbook of Methods



concepts page: <https://www.bls.gov/opub/hom/soii/concepts.htm>.

(3) Median days away from work is the measure used to summarize the varying lengths of absences from work among the cases with days away from work. Half the cases involved more days and half involved less days than a specified median. Median days away from work are represented in actual values.

(4) Data are coded using the North American Industry Classification System (NAICS). For more information on the version of NAICS used in this year, see our Handbook of Methods concepts page: <https://www.bls.gov/opub/hom/soii/concepts.htm>.

(5) Excludes farms with fewer than 11 employees.

(6) Data for Mining (Sector 21 in the North American Industry Classification System) include establishments not governed by the Mine Safety and Health Administration (MSHA) rules and reporting, such as those in oil and gas extraction and related support activities. Data for mining operators in coal, metal, and nonmetal mining are provided to BLS by the Mine Safety and Health Administration, U.S. Department of Labor. Independent mining contractors are excluded from the coal, metal, and nonmetal mining industries. These data do not reflect changes the Occupational Safety and Health Administration made to its recordkeeping requirements effective January 1, 2002; therefore, estimates for these industries are not comparable to estimates of other industries.

(7) Data for employers in railroad transportation are provided to BLS by the Federal Railroad Administration, U.S. Department of Transportation. These data do not reflect the changes Occupational Safety and Health Administration made to its recordkeeping requirements effective January 1, 2002; therefore estimates for these industries are not comparable with estimates for other industries.

(8) Musculoskeletal disorders (MSDs) include cases where the nature of the injury or illness is pinched nerve; herniated disc; meniscus tear; sprains, strains, tears; hernia (traumatic and nontraumatic); pain, swelling, and numbness; carpal or tarsal tunnel syndrome; Raynaud's syndrome or phenomenon; musculoskeletal system and connective tissue diseases and disorders, when the event or exposure leading to the injury or illness is overexertion and bodily reaction, unspecified; overexertion involving outside sources; repetitive motion involving microtasks; other and multiple exertions or bodily reactions; and rubbed, abraded, or jarred by vibration.

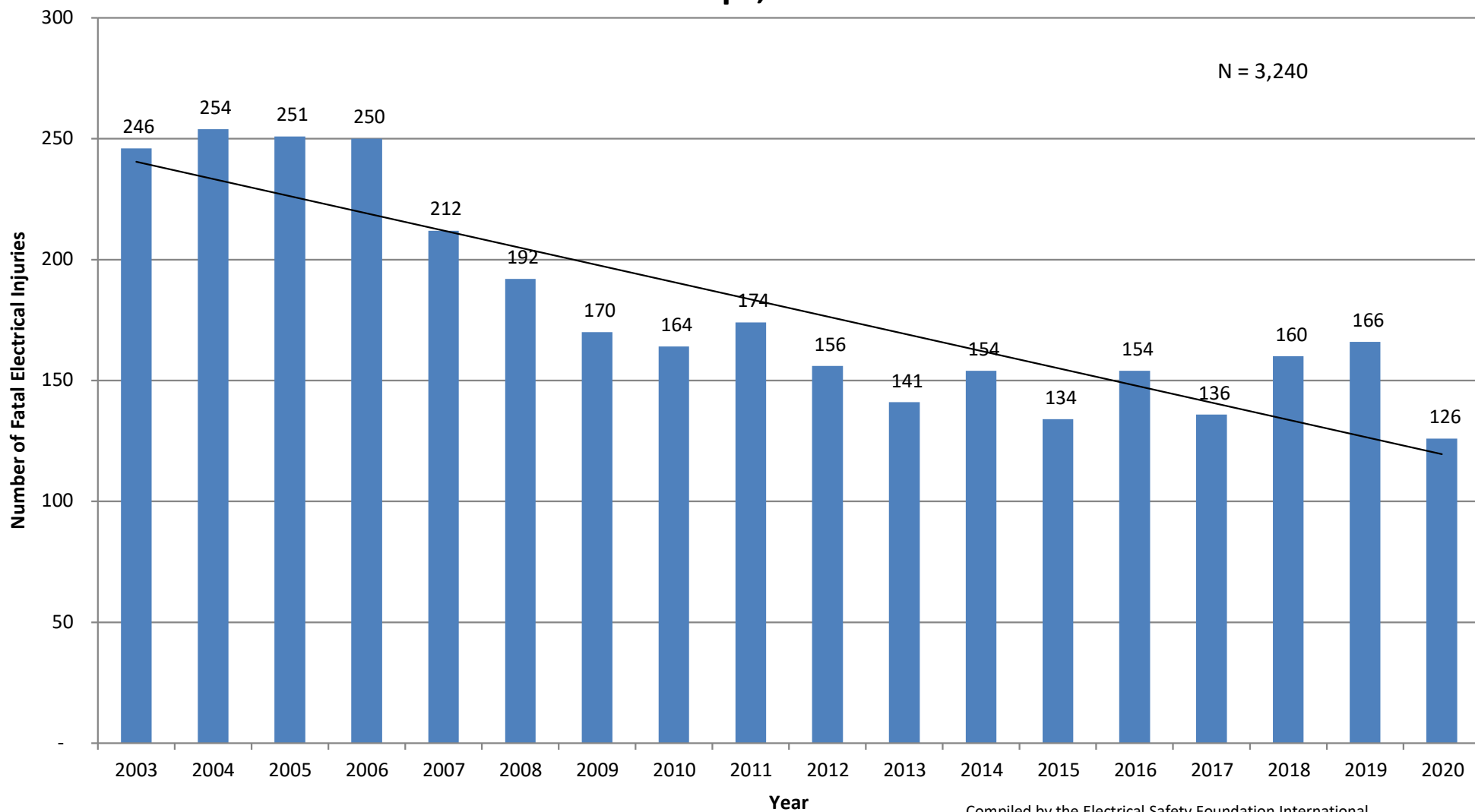
(9) Occupational Injury and Illness Classification System 2.01

NOTE: Because of rounding and data exclusion of nonclassifiable responses, data may not sum to the totals. Dashes indicate data that do not meet publication guidelines. The scientifically selected probability sample used was one of many possible samples, each of which could have produced different estimates. A measure of sampling variability for each estimate is available upon request -- please contact [iifstaff@bls.gov](mailto:iifstaff@bls.gov) or call (202) 691-6170. For additional information about methodology and coding structures, see the BLS Handbook of Methods chapter 9: <https://www.bls.gov/opub/hom/homch9.htm>.

SOURCE: Bureau of Labor Statistics, U.S. Department of Labor, Dec 16, 2021

Chart 01

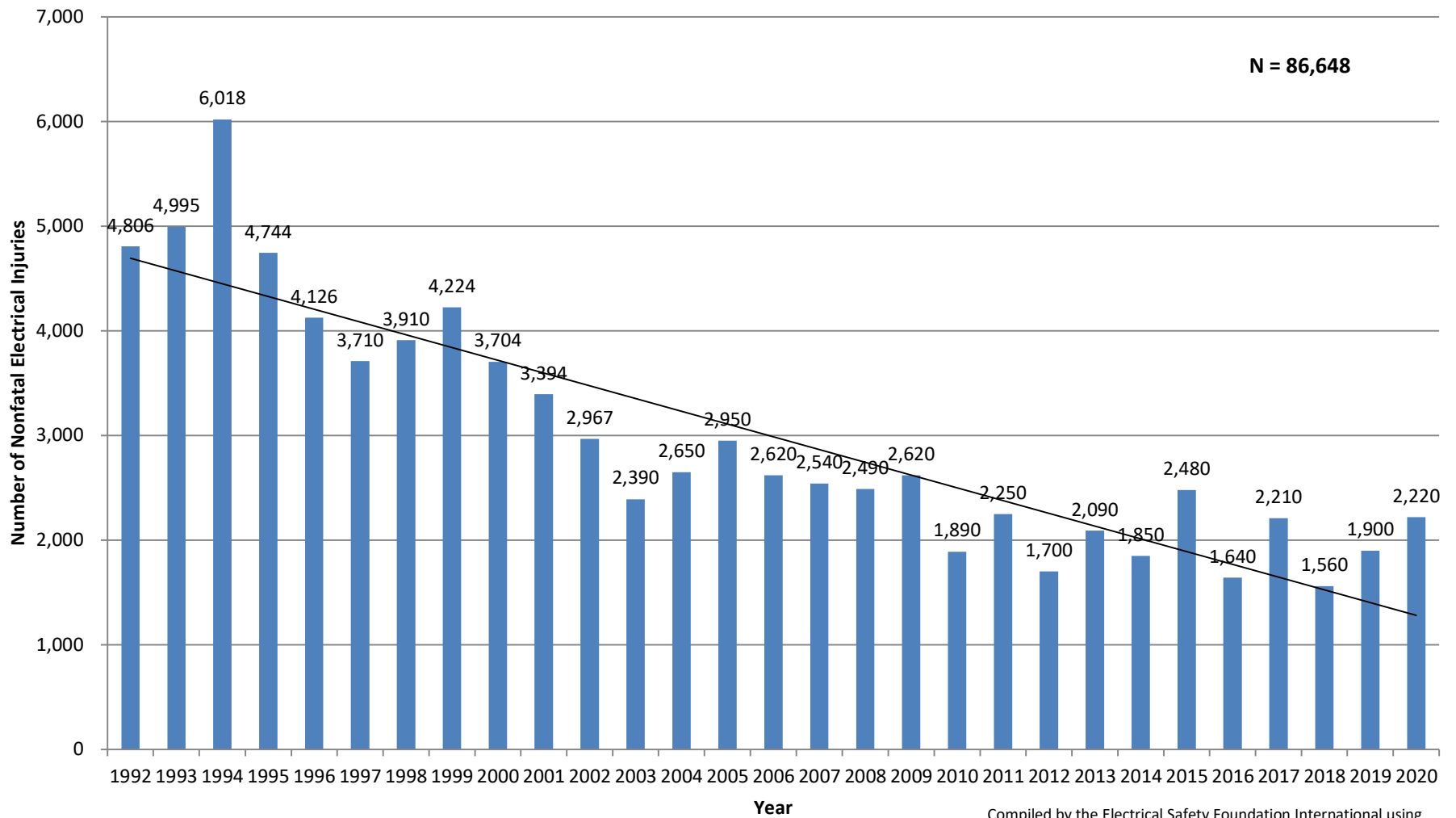
## Number of Fatal Electrical Injuries, by Event Code, All Ownerships, 2003 - 2020



Compiled by the Electrical Safety Foundation International  
using data from the U.S. Bureau of Labor Statistics, CFOI, 2003 -2020

Chart 02

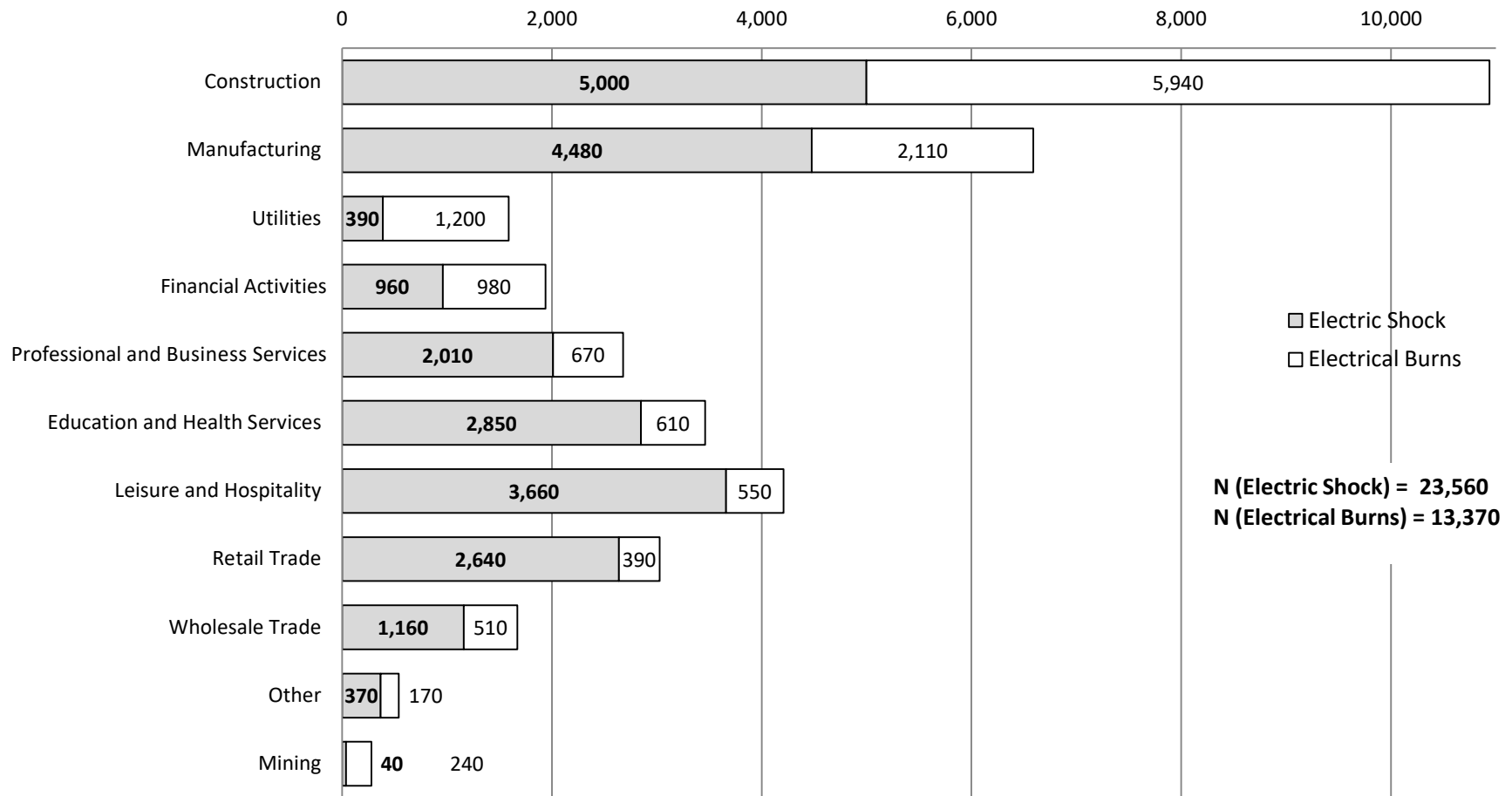
## Number of Nonfatal Electrical Injury, by Event, Private Industry, 1992 - 2020



Compiled by the Electrical Safety Foundation International using  
data from BLS CFOT, 1992 - 2020

Chart 03

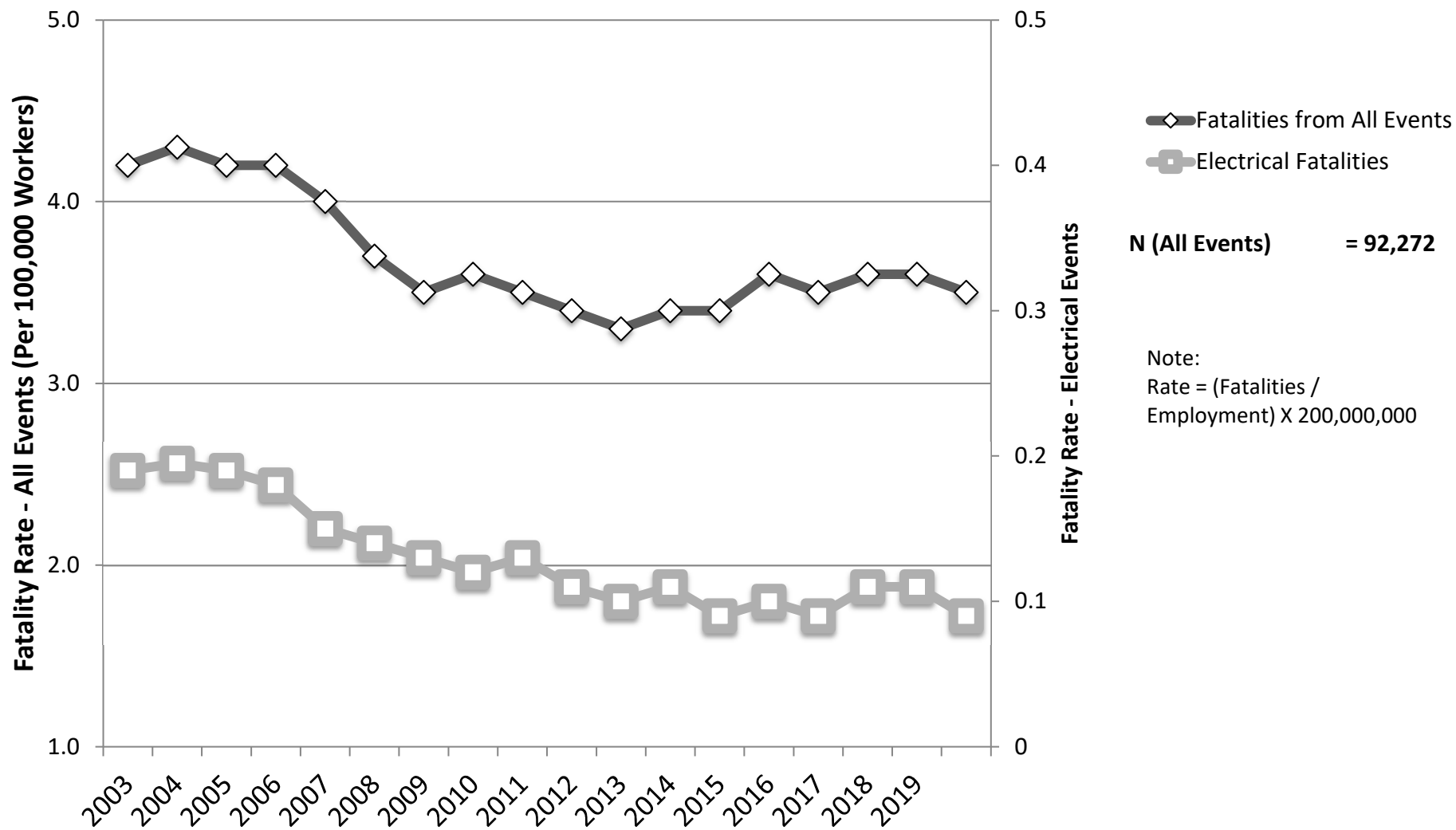
## Number of Nonfatal Electrical Injuries, Private Industry by Nature of Injury (Electrical Shocks / Electrical Burns), 2003 - 2020



Compiled by the Electrical Safety Foundation International using data from BLS, CFIR, 2003 - 2020

Chart 04

## Fatality Rates for All Events vs. Electrical Events, All Ownerships, 2003 - 2020



Compiled by the Electrical Safety Foundation International using data from  
BLS, CFOI, 2003 - 2020

Chart 05

## Rates of Nonfatal Electrical Injury Involving Days Away from Work for Selected Industries, by Event, Private Industry, 2003 - 2020

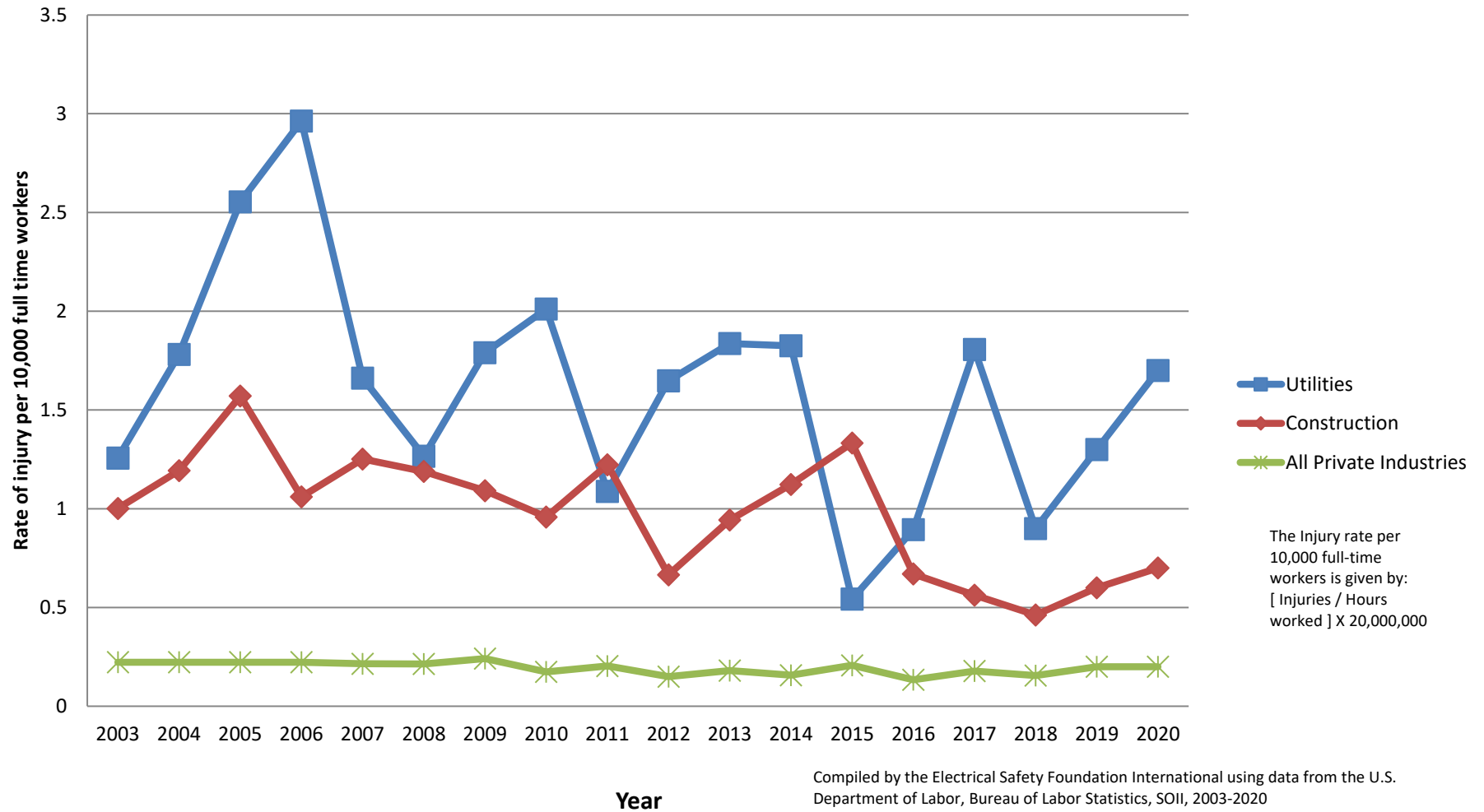
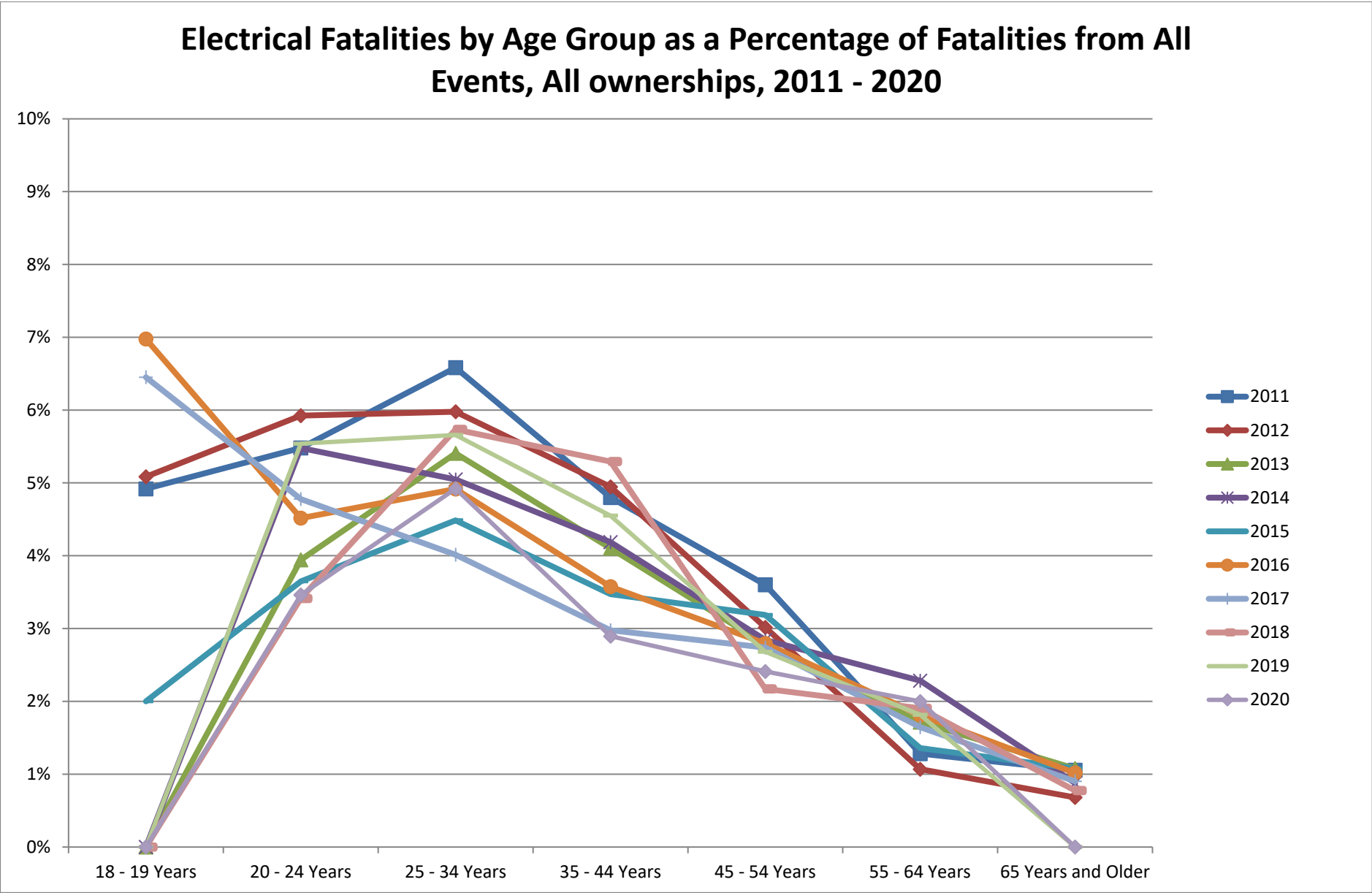


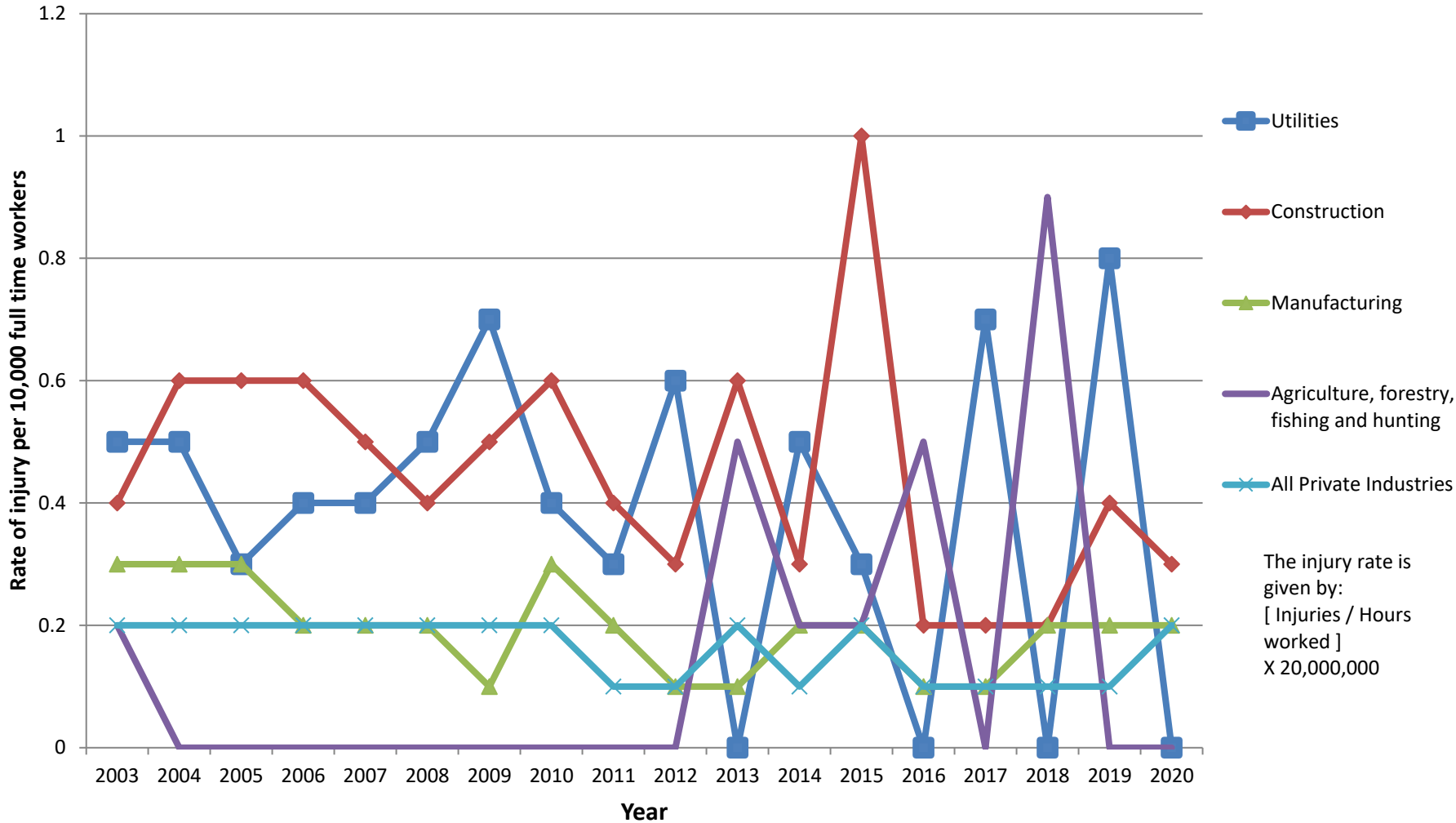
Chart 06



Compiled by the Electrical Safety Foundation International using data from the U.S. Department of Labor,  
Bureau of Labor Statistics, CFOI, 2011-2020

Chart 07

# Rate of Nonfatal Electrical Shock Injury Involving Days Away from Work for Selected Industries, Private Industry, 2003 - 2020



Compiled by the Electrical Safety Foundation International using data from the U.S. Department of Labor, Bureau of Labor Statistics, SOII, 2003-2020



Chart 08

# Rate of Nonfatal Electrical Burn Injury Involving Days Away from Work for Selected Industries, Private Industry, 2003 - 2020

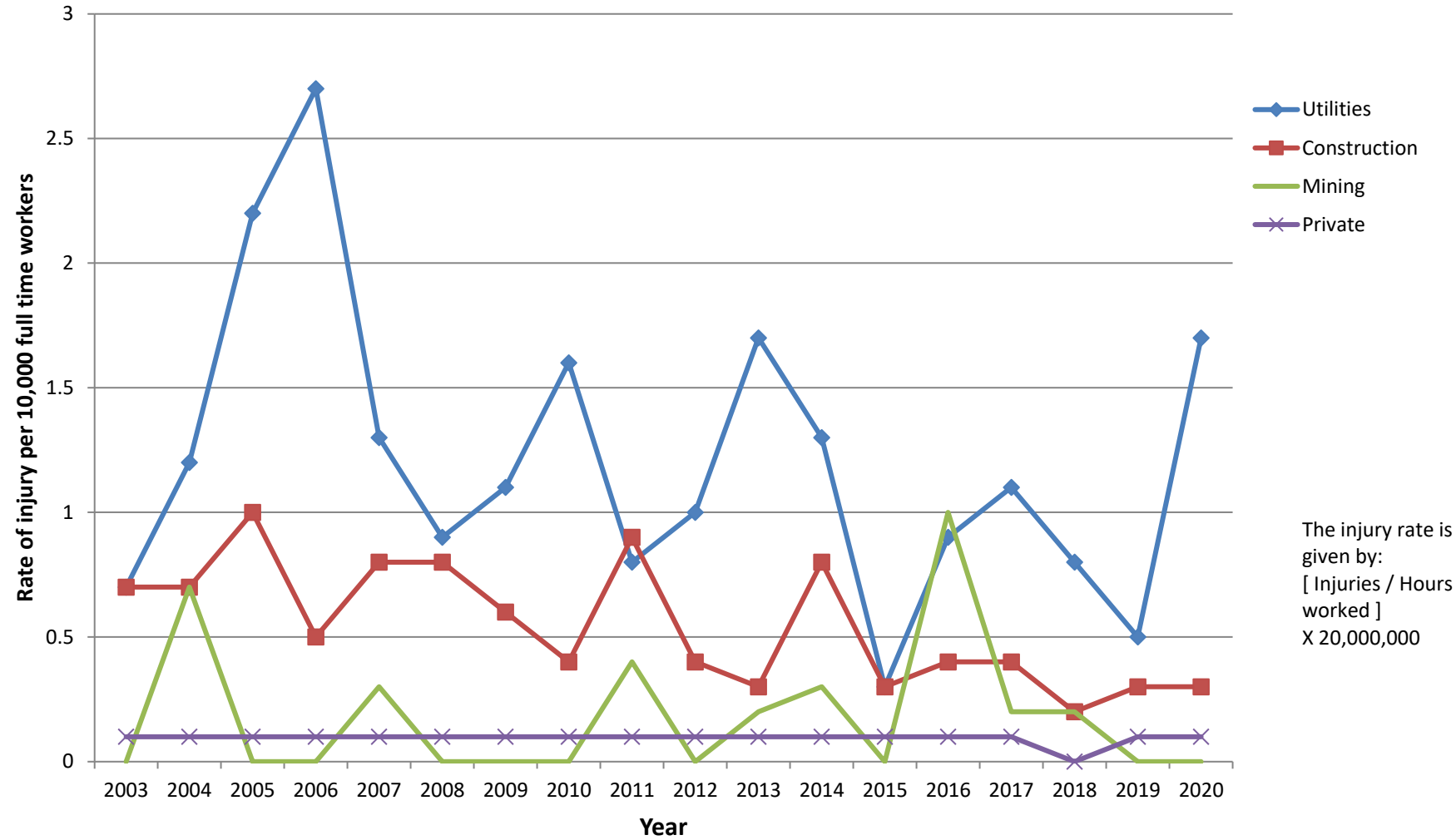
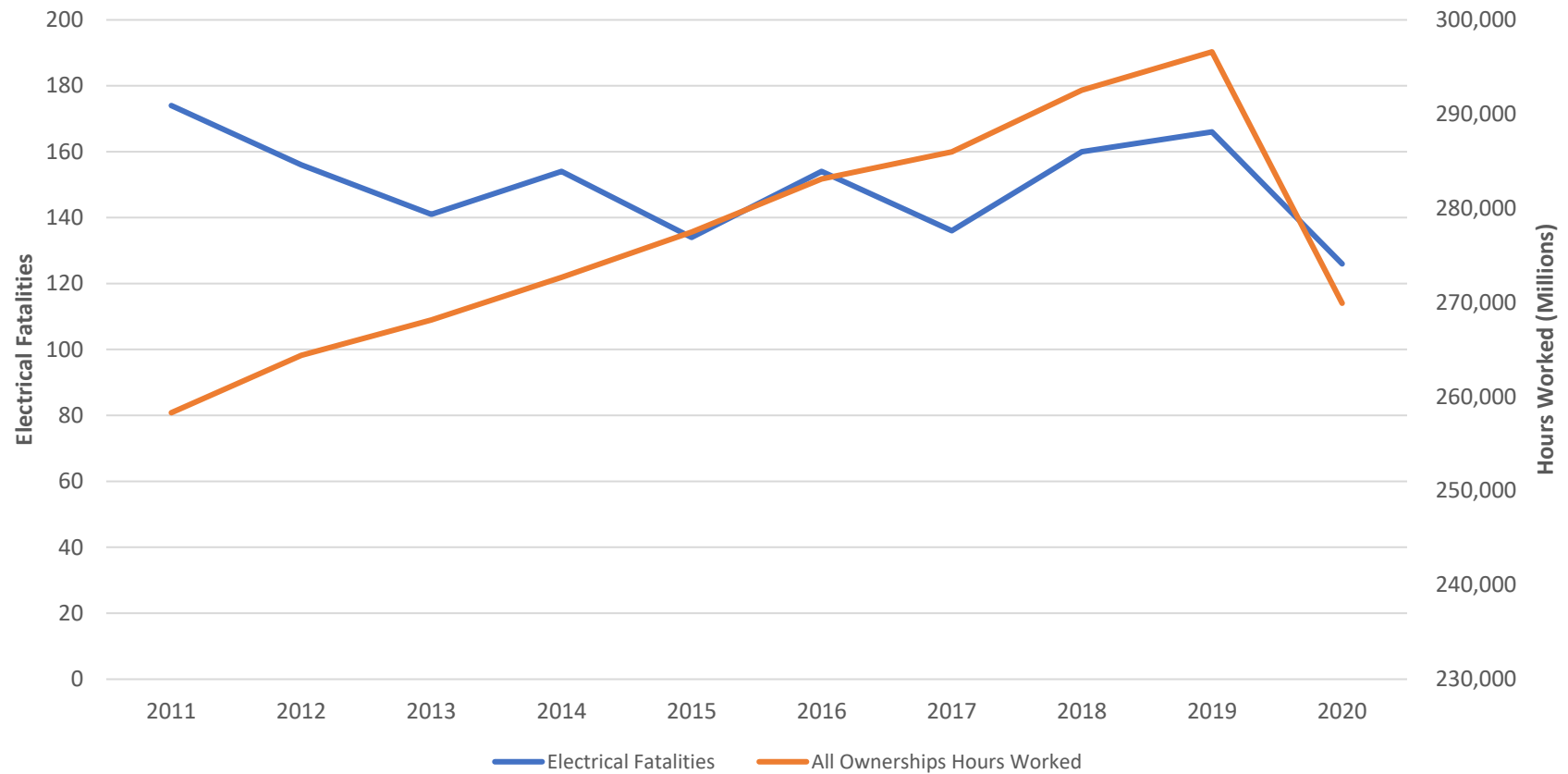


Chart 09

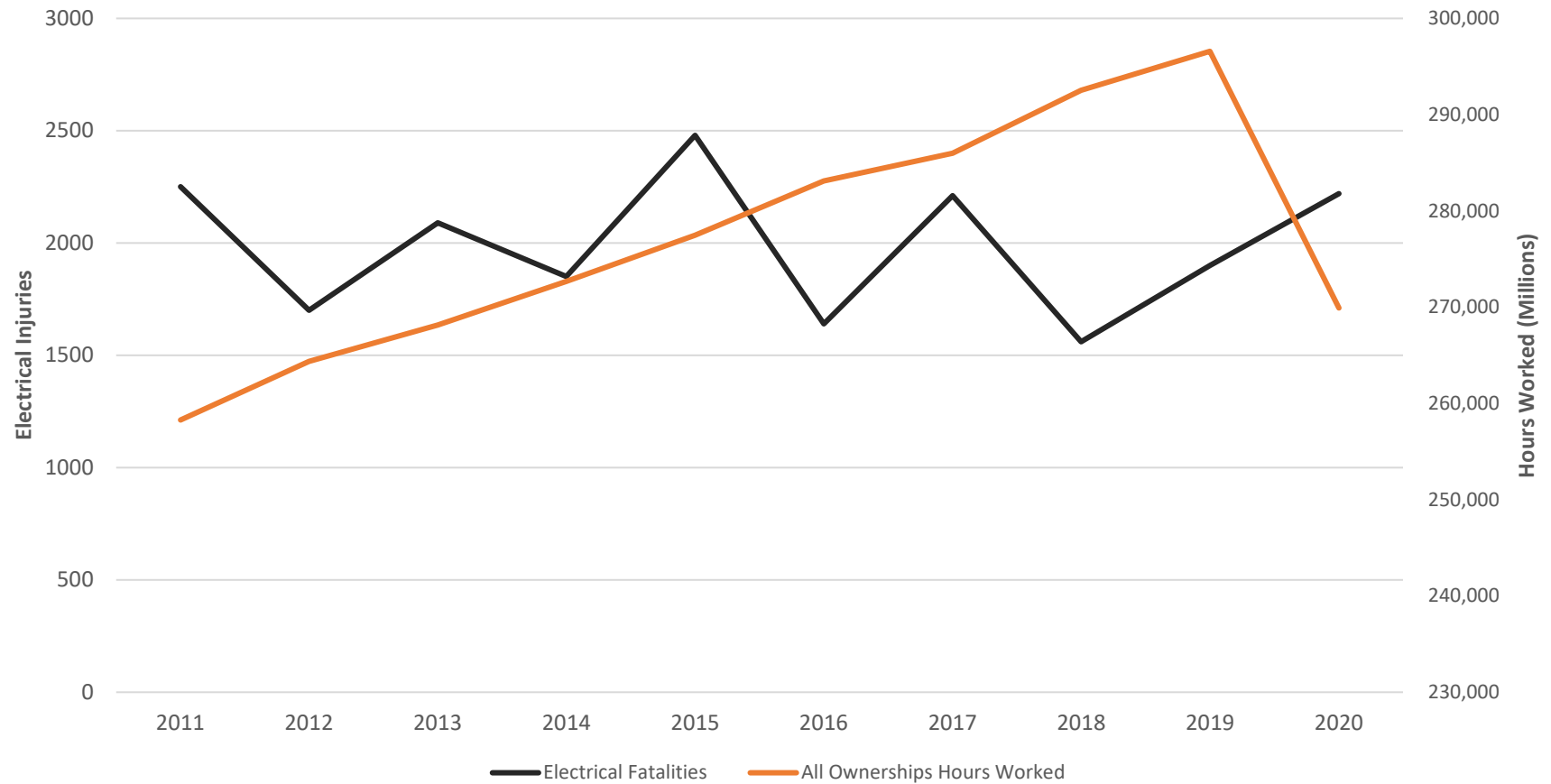
## Electrical Fatalities vs. Total Hours Worked, All Ownerships, 2011 - 2020



Compiled by the Electrical Safety Foundation International using data from the U.S. Department of Labor, Bureau of Labor Statistics, SOII, 2003-2020

Chart 10

## Electrical Injuries vs. Total Hours Worked, All Ownerships, 2011 - 2020



Compiled by the Electrical Safety Foundation International using data from  
the U.S. Department of Labor, Bureau of Labor Statistics, SOII, 2003-2020