

Table 1

Total fatalities from all causes, 2003-2010											
Rank	Event or Exposure	Event code	2003	2004	2005	2006	2007	2008	2009	2010 (P)	Fatalities
1	Transportation, excluding water, rail, air		2,041	2,118	2,173	2,081	2,057	1,829	1,516	1,519	15,334
2	Assaults and Violent acts	6	902	809	792	788	864	816	837	808	6,616
3	Falls	1	696	822	770	827	847	700	645	635	5,942
4	Struck by object or equipment	02	531	602	607	589	504	520	420	402	4,175
5	Caught in or compressed by equipment or objects	03	238	269	278	283	296	302	233	224	2,123
6	Exposure to harmful substances or environments, excluding electrical		240	210	250	297	285	247	234	246	2,009
7	Contact with electric current	31	246	254	251	250	212	192	170	163	1,738
8	Aircraft	46	211	231	149	217	174	191	159	151	1,483
9	Caught in or crushed in collapsing materials	04	126	117	109	108	108	100	80	91	839
10	Water Vehicle	45	69	91	88	96	71	76	86	52	629
11	Explosions	52	75	75	65	99	75	80	60	78	607
12	Railway	44	43	50	83	65	49	34	34	44	402
	Other		157	116	119	140	115	127	77	134	985
	Total Fatalities (all causes)		5,575	5,764	5,734	5,840	5,657	5,214	4,551	4,547	42,882

(P) means the data are preliminary any may be revised

Compiled by the Electrical Safety Foundation International using data from the U.S. Bureau of Labor Statistics, CFOI, 2003-2010

Table 2

Fatal electrical injuries for all industries, by Event, 1992–2010								
Year	Event code							
	3100	3110	3120	3130	3140	3150	3190	Total
1992	32	60	66	140	-	15	19	332
1993	32	44	100	115	5	16	12	325
1994	23	63	98	132	6	15	11	348
1995	32	55	94	139	5	17	6	348
1996	22	46	70	116	5	18	-	277
1997	14	41	71	138	5	22	7	298
1998	10	51	84	153	9	21	6	334
1999	5	51	76	125	-	13	6	276
2000	5	42	67	128	-	7	5	254
2001	9	47	78	124	-	15	8	281
2002	7	42	90	122	-	16	8	285
2003	4	51	69	107	-	8	5	246
2004	7	38	62	124	6	11	6	254
2005	4	47	75	112	-	9	3	251
2006	3	47	79	109	-	9	3	250
2007	5	43	59	94	-	10	-	212
2008	-	32	45	102	3	8	-	192
2009	6	34	60	63	-	4	-	170
2010 (P)	4	27	49	76	3	3	-	163
Total	224	861	1,392	2,219	47	237	105	5,096
Pct.	4	17	27	44	1	5	2	--

Dashes [-] indicate no data or data do not meet publication criteria

Totals may be understated due to missing data

(P) means the data are preliminary any may be revised

Event code descriptions are as follows:

3100—Contact with electric current, unspecified

3110—Contact with electric current of machine, tool, appliance, or light fixture

3120—Contact with wiring, transformers, or other electrical components

3130—Contact with overhead power lines

3140—Contact with underground, buried power lines

3150—Struck by lightning

3190—Contact with electric current, n.e.c.

Total—All electrical events

Rows, columns may not sum to total.

Compiled by the Electrical Safety Foundation International using data from the U.S. Bureau of Labor Statistics, CFOI, 1992-2010

Table 3

Number of electrical fatalities, Private Industry, 2003-2010										
Industry Sector	2003	2004	2005	2006	2007	2008	2009	2010 (P)	Total	Pct.
Natural resources and mining	16	20	27	27	24	13	9	18	154	9%
Construction	132	122	107	126	108	89	89	76	849	52%
Manufacturing	22	22	17	14	17	19	15	11	137	8%
Trade, transportation, and utilities	17	30	29	32	19	19	18	18	182	11%
Information	3	6	4	3	-	-	-	4	20	1%
Financial activities	5	-	-	5	3	-	-	4	17	1%
Professional and business services	23	29	39	21	25	27	24	20	208	13%
Leisure and hospitality	4	3	6	5	-	3	-	3	24	1%
Other services	7	6	10	6	5	5	5	-	44	3%
Total	229	238	239	239	201	175	160	154	1,635	

NOTES:

(P) means the data are preliminary any may be revised

Dashes [-] indicate no data or data that do not meet publication criteria.

Totals for major categories may include subcategories not shown separately.

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

Table 4

Nonfatal electrical injuries involving days away from work, Private Industry, by Event, 1992-2010								
Year	Event code							
	3100	3110	3120	3130	3140	3150	3190	Total
1992	507	1,795	1,614	174	36	170	509	4,806
1993	453	2,111	1,531	133	74	71	620	4,995
1994	506	2,966	1,607	273	38	214	415	6,018
1995	769	1,506	1,571	155	47	172	522	4,744
1996	405	1,037	1,751	92	153	223	465	4,126
1997	365	1,413	1,390	79	52	-	386	3,710
1998	506	1,361	1,318	314	40	50	322	3,910
1999	321	1,588	1,261	194	92	70	700	4,224
2000	291	1,265	1,428	108	121	128	364	3,704
2001	327	1,124	1,392	77	100	135	238	3,394
2002	342	772	1,077	66	-	65	634	2,967
2003	200	970	900	80	20	60	170	2,390
2004	160	1,110	900	40	-	100	320	2,650
2005	310	910	1,250	60	60	70	280	2,950
2006	240	840	1,010	30	-	60	430	2,620
2007	490	810	870	40	-	120	200	2,540
2008	410	830	750	40	150	60	250	2,490
2009	190	1,330	730	20	20	80	240	2,620
2010 (P)	200	650	720	80	-	50	180	1,890
Total	6,992	24,388	23,070	2,055	1,003	1,898	7,245	66,748
Pct.	10%	37%	35%	3%	2%	3%	11%	---

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Totals may be understated due to missing data

Rows, columns may not sum to total.

Event code descriptions are as follows:

3100—Contact with electric current, unspecified

3110—Contact with electric current of machine, tool, appliance, or light fixture

3120—Contact with wiring, transformers, or other electrical components

3130—Contact with overhead power lines

3140—Contact with underground, buried power lines

3150—Struck by lightning

3190—Contact with electric current, n.e.c.

Total—All electrical events

Compiled by the Electrical Safety Foundation International using data from the U.S. Bureau of Labor Statistics, SOII, 1992-2010

Table 5

Median number of days away from work for nonfatal electrical injuries, by Event, 2003-2010								
Year	Event code							
	3100	3110	3120	3130	3140	3150	3190	Total
1992	13	3	7	33	21	6	2	5
1993	10	3	8	8	2	3	5	4
1994	4	5	4	30	15	14	6	5
1995	3	2	5	13	10	2	2	3
1996	3	4	22	5	2	3	12	7
1997	1	4	4	60	14	-	8	4
1998	10	4	6	14	137	3	2	5
1999	2	5	10	142	1	8	6	5
2000	5	4	5	15	9	10	43	5
2001	8	2	3	6	56	4	6	3
2002	10	2	4	66	-	3	4	4
2003	7	4	7	8	1	2	3	5
2004	18	6	10	68	-	145	8	10
2005	3	4	8	14	4	7	5	5
2006	7	3	5	21	-	2	8	5
2007	18	3	6	1	-	5	2	4
2008	1	3	6	13	5	20	3	3
2009	5	5	4	3	4	83	2	4
2010 (P)	7	2	5	42	-	2	2	4

Dashes [-] indicate no data or data do not meet publication criteria

Totals may be understated due to missing data

Rows, columns may not sum to total.

Event code descriptions are as follows:

3100—Contact with electric current, unspecified

3110—Contact with electric current of machine, tool, appliance, or light fixture

3120—Contact with wiring, transformers, or other electrical components

3130—Contact with overhead power lines

3140—Contact with underground, buried power lines

3150—Struck by lightning

3190—Contact with electric current, n.e.c.

Total—All electrical events

Compiled by the Electrical Safety Foundation International using data from the U.S. Bureau of Labor Statistics, SOII, 1992-2010

Table 6

Occupational groups with the most fatal electrical injuries, 2003-2010		
Occupational Groups Selected Occupations		Total
Construction Trades Workers		642
Electricians	300	
Construction Laborers	146	
Roofers	43	
Painters, Construction and Maintenance	39	
Carpenters	32	
Installation, Maintenance, and Repair Occupations		366
Electrical Power-Line Installers and Repairers	132	
Industrial Machinery Installation, Repair, and Maintenance Workers	71	
Heating, Air Conditioning, and Refrigeration Mechanics and Installers	55	
Telecommunications Line Installers and Repairers	24	
Grounds Maintenance Workers		113
Tree Trimmers and Pruners	79	
Landscaping and Groundskeeping Workers	29	
Transportation and Material Moving Occupations		108
Driver/Sales Workers and Truck Drivers	50	
Material Moving Workers	44	
Other Management Occupations		76
Agricultural Workers		43
	Subtotal	1,044
	Percent of total electrical fatalities	60%
		1,348
		78%

Notes:

1. Based on the 2000 Standard Occupational Classification system.
2. Includes fatalities to persons identified as resident armed forces regardless of individual occupation listed.
3. Data for 2010 are preliminary.

Compiled by the Electrical Safety Foundation International using data from the U.S. Department of Labor, Bureau of Labor Statistics, Census of Fatal Occupational Injuries, 2003-2010

Fatal electrical injuries by selected worker characteristics, All U.S., all ownerships, 2003-2010									
Characteristic	All Causes (8)	Contact with electric current (code 31XXXX)							
	2010	2003	2004	2005	2006	2007	2008	2009	2010
Secondary source (3) (8) :									
Vehicles	(P) 738	-	3	3	-	-	-	-	-
Highway vehicles	(P) 631	-	3	-	-	-	-	-	-
Plant and industrial powered vehicles	(P) 45	-	-	-	-	-	-	-	-
Structures and surfaces	(P) 577	-	-	3	5	-	-	-	-
Floors walkways ground surfaces	(P) 116	-	-	-	-	-	-	-	-
Structures	(P) 282	-	-	-	4	-	-	-	-
Machinery	(P) 201	11	9	9	13	14	14	5	(P) 8
Parts and materials	(P) 179	97	105	105	102	70	79	50	(P) 65
Machine tool and electric parts	(P) 93	95	105	105	99	70	78	50	(P) 63
Persons plants animals and minerals	(P) 683	-	-	3	-	-	-	-	-
Persons -other than injured worker	(P) 473	-	-	-	-	-	-	-	-
Robber	(P) 175	-	-	-	-	-	-	-	-
Co-worker former co-worker	(P) 58	-	-	-	-	-	-	-	-
Trees logs	(P) 173	-	-	-	-	-	-	-	-
Chemicals and chemical products	(P) 125	-	-	-	-	-	-	-	-
Tools instruments and equipment	(P) 189	4	4	-	3	-	-	7	(P) 3
Containers	(P) 92	-	-	-	-	-	-	-	-
Other	(P) 148	10	9	6	5	6	5	-	(P) 3
Liquids (including water)	(P) 19	7	3	3	-	5	-	-	(P) 3
No secondary source	(P) 1615	121	122	121	121	121	91	103	(P) 83
Nature (8) :									
Intracranial injuries	(P) 742	-	-	-	-	-	-	-	-
Other traumatic injuries	(P) 1249	245	249	250	247	212	187	168	(P) 160
Internal injuries	(P) 444	-	-	-	-	-	-	-	-
Asphyxiations suffocations	(P) 309	-	-	-	-	-	-	-	-
Drownings	(P) 119	-	-	-	-	-	-	-	-
Electrocutions	(P) 162	245	249	250	247	212	187	168	(P) 160
Poisonings toxic effects	(P) 200	-	-	-	-	-	-	-	-
Open wounds	(P) 607	-	-	-	-	-	-	-	-
Gunshot wounds	(P) 528	-	-	-	-	-	-	-	-
Burns (heat chemical etc.)	(P) 96	-	4	-	3	-	4	-	-
Multiple traumatic injuries	(P) 1649	-	-	-	-	-	-	-	-
Intracranial injuries and injuries to internal organs	(P) 249	-	-	-	-	-	-	-	-
Part of body (8) :									
Head	(P) 945	-	-	-	-	-	-	-	-
Trunk	(P) 701	-	-	-	-	-	-	-	-
Chest	(P) 345	-	-	-	-	-	-	-	-
Back	(P) 48	-	-	-	-	-	-	-	-
Neck	(P) 137	-	-	-	-	-	-	-	-
Lower extremities	(P) 72	-	-	-	-	-	-	-	-
Upper extremities	(P) 20	-	-	-	-	-	-	-	-
Body systems	(P) 773	245	249	250	247	212	187	168	(P) 160
Multiple	(P) 1898	-	5	-	3	-	5	-	-
Worker activity:									
Vehicular and transportation operations	(P) 1848	4	9	5	8	7	9	4	(P) 7
Using or operating tools machinery	(P) 385	51	45	61	47	38	40	26	(P) 29
Constructing repairing cleaning	(P) 945	161	165	149	171	143	117	119	(P) 103
Protective service activities	(P) 142	-	-	-	-	-	-	-	-
Materials handling operations	(P) 291	16	17	23	13	14	15	12	(P) 19
Physical activities	(P) 284	9	10	8	8	5	5	5	-
Other activities	(P) 422	-	-	3	-	-	-	-	-
Tending a retail establishment	(P) 186	-	-	-	-	-	-	-	-
Not reported	(P) 230	-	5	-	-	3	-	-	-

Fatal electrical injuries by selected worker characteristics, All U.S., all ownerships, 2003-2010									
Characteristic	All Causes (8)	Contact with electric current (code 31XXXX)							
	2010	2003	2004	2005	2006	2007	2008	2009	2010
Location:									
Private residence	(P) 435	70	57	64	72	57	40	43	(P) 46
Farm	(P) 475	15	19	19	21	15	11	5	(P) 15
Mine quarry	(P) 71	5	5	4	5	-	3	-	-
Industrial place and premises	(P) 937	82	85	88	73	60	57	59	(P) 55
Place for recreation or sports	(P) 73	6	5	7	4	5	7	-	-
Street and highway	(P) 1345	34	39	28	25	26	35	19	(P) 19
Public building	(P) 547	21	23	30	34	29	21	28	(P) 12
Residential institutions	(P) 35	-	-	-	-	-	-	-	-
Other or not reported	(P) 629	12	19	10	16	18	17	15	(P) 13
Occupation (9) :									
Management occupations	(P) 533	17	13	14	9	8	6	5	(P) 11
Business and financial operations occupations	(P) 25	-	-	-	-	-	-	-	-
Computer and mathematical occupations	(P) 11	-	-	-	-	-	-	-	-
Architecture and Engineering occupations	(P) 51	-	6	4	3	3	-	3	(P) 3
Life physical and social science occupations	(P) 28	-	-	-	-	-	-	-	-
Community and social services occupations	(P) 24	-	-	3	-	-	-	-	-
Legal occupations	(P) 9	-	-	-	-	-	-	-	-
Education training and library occupations	(P) 30	-	-	-	-	-	-	-	-
Arts design entertainment sports and media occupations	(P) 53	-	-	-	-	-	-	-	(P) 3
Healthcare practitioners and technical occupations	(P) 65	-	-	-	-	-	-	-	-
Healthcare support occupations	(P) 17	-	-	-	-	-	-	-	-
Protective service occupations	(P) 258	-	-	-	-	-	-	-	-
Food preparation and serving related occupations	(P) 60	-	-	-	-	-	-	-	-
Building and grounds cleaning and maintenance occupations	(P) 226	18	24	22	18	20	18	14	(P) 17
Personal care and service occupations	(P) 65	-	-	-	-	-	-	-	-
Sales and related occupations	(P) 274	4	-	-	-	-	-	3	-
Office and administrative support occupations	(P) 68	-	-	-	-	-	-	-	-
Farming fishing and forestry occupations	(P) 260	3	8	10	10	10	4	3	(P) 6
Construction and extraction occupations	(P) 760	104	105	100	133	109	85	85	(P) 70
Installation maintenance and repair occupations	(P) 351	62	47	63	47	38	43	32	(P) 34
Production occupations	(P) 222	13	13	9	9	10	14	13	(P) 7
Transportation and material moving occupations	(P) 1115	16	28	12	13	9	12	9	(P) 9
Military specific occupations (5)	(P) 42	-	-	-	-	-	-	-	-
Private industry (10) :									
Goods producing	(P) 1839	170	164	151	167	149	121	113	(P) 105
Natural resources and mining (4)	(P) 768	16	20	27	27	24	13	9	(P) 18
Construction	(P) 751	132	122	107	126	108	89	89	(P) 76
Manufacturing	(P) 320	22	22	17	14	17	19	15	(P) 11
Service providing	(P) 2231	60	79	90	72	56	60	50	(P) 51
Trade transportation and utilities	(P) 1141	17	30	29	32	19	19	18	(P) 18
Information	(P) 42	3	6	4	3	-	-	-	(P) 4
Financial activities	(P) 108	5	-	-	5	3	-	-	(P) 4
Professional and business services	(P) 356	23	29	39	21	25	27	24	(P) 20
Education and health services	(P) 169	-	-	-	-	-	-	-	-
Leisure and hospitality	(P) 229	4	3	6	5	-	3	-	(P) 3
Other services	(P) 186	7	6	10	6	5	5	5	-

Fatal electrical injuries by selected worker characteristics, All U.S., all ownerships, 2003-2010									
Characteristic	All Causes (8)	Contact with electric current (code 31XXXX)							
	2010	2003	2004	2005	2006	2007	2008	2009	2010
Government (11)	(P) 477	16	11	10	11	7	11	7	(P) 7
Federal	(P) 96	4	-	-	3	-	-	-	-
State	(P) 107	-	-	-	-	-	3	-	-
Local	(P) 267	10	9	7	7	5	6	6	(P) 4

Footnotes

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

(2) The primary source of injury identifies the object substance or exposure that directly produced or inflicted the injury. For most transportation incidents the primary source identifies the vehicle in which the deceased was an occupant. For most falls the primary source identifies the surface or object contacted.

(3) 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. For most falls the secondary source identifies the equipment or surface from which the worker fell.

(4) Mining includes fatalities at all establishments categorized as Mining (Sector 21) in the North American Industry Classification System 2002 including establishments not governed by the Mine Safety and Health Administration (MSHA) rules and reporting such as those in Oil and Gas Extraction.

(5) Military specific occupations include fatalities to persons identified as resident armed forces regardless of individual occupation listed.

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

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

(8) Based on the 1992 BLS Occupational Injury and Illness Classification Manual.

(9) Based on the 2000 Standard Occupational Classification System.

(10) Industry data from 2003 to 2008 are classified using the 2002 North American Industry Classification System (NAICS). Industry data after 2008 are classified using the 2007 NAICS.

(11) Includes fatalities to workers employed by governmental organizations regardless of industry.

(P) Preliminary

NOTE: Dashes indicate no data or data that do not meet publication criteria. Totals for major categories may include subcategories not shown separately. Data for all years are final unless footnoted by "P" for preliminary data.

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 Dec 9 2011

Table 8

Nonfatal electrical injuries involving days away from work (1) by selected worker characteristics, All U.S., private industry, 2003-2010									
Characteristic	All Causes	Contact with electric current (code 31XXXX)							
	2,010	2003	2004	2005	2006	2007	2008	2009	2010
Total:	933,200	2,390	2,650	2,950	2,620	2,540	2,490	2,620	1,890
Sex:									
Men	563,850	1960	2130	2420	2210	1980	1930	2140	1470
Women	365,610	400	510	500	390	540	540	470	410
Age:									
Under 14	-	-	-	-	-	-	-	-	-
14 to 15	200	-	-	-	-	-	-	-	-
16 to 19	22,140	40	200	80	150	170	240	50	30
20 to 24	87,370	140	260	550	670	350	210	190	250
25 to 34	201,710	710	820	840	510	560	630	830	570
35 to 44	208,520	790	720	720	660	750	570	450	490
45 to 54	239,100	530	350	620	420	560	670	900	350
55 to 64	132,900	120	170	130	200	130	160	120	160
65 and over	27,680	-	50	-	-	-	-	40	20
Occupation:									
Management business financial	24,230	20	-	30	320	20	20	50	50
Professional and related	81,410	70	40	80	60	70	70	70	60
Service	239,510	440	330	480	260	390	610	470	320
Sales and related	65,920	140	80	70	80	130	40	90	100
Office and administrative support	66,390	60	70	60	130	70	140	90	40
Farming fishing and forestry	11,850	-	-	-	-	-	-	-	-
Construction and extractive	74,190	530	870	970	760	930	880	560	480
Installation maintenance and repair	80,650	650	460	710	370	480	350	1000	540
Production	107,670	300	590	330	450	320	260	170	210
Transportation and material moving	180,240	160	180	210	170	110	120	110	80
Military specific	-	-	-	-	-	-	-	-	-
Length of service with employer:									
Less than 3 months	85,970	280	490	550	390	330	230	190	180
3 months to 11 months	152,270	410	690	660	560	810	430	670	400
1 year to 5 years	353,780	910	900	1100	940	730	1200	830	740
More than 5 years	326,270	760	550	620	710	640	610	900	530
Race or ethnic origin:									
White	391,850	1300	1590	1710	1500	1440	1530	1070	850
Black or African American	73,140	170	170	110	200	300	70	190	110
Hispanic or Latino	122,970	300	260	400	200	210	380	290	260
Asian	11,850	-	-	-	20	30	-	-	30
Native Hawaiian or other Pacific Islander	2,900	-	-	-	-	-	-	-	-
American Indian or Alaska Native	4,630	-	-	-	-	30	-	20	-
Hispanic and other	740	-	-	-	-	-	-	-	-
Multi-race	820	-	-	-	-	-	-	-	-
Not reported	324,320	580	580	720	690	520	500	1010	630
Number of days away from work:									
Cases involving 1 day	134,080	440	530	620	560	460	560	660	430
Cases involving 2 days	101,560	370	280	370	320	490	270	470	360
Cases involving 3-5 days	167,010	390	190	500	700	490	730	350	300
Cases involving 6-10 days	109,690	300	380	540	220	160	260	170	120
Cases involving 11-20 days	104,220	180	370	180	290	300	290	180	110
Cases involving 21-30 days	60,030	90	200	170	50	220	50	100	130
Cases involving 31 or more days	256,590	610	710	570	470	420	320	690	440
Median days away from work (5)	8	5	10	5	5	4	3	4	4

Nonfatal electrical injuries involving days away from work (1) by selected worker characteristics, All U.S., private industry, 2003-2010

Characteristic	All Causes	Contact with electric current (code 31XXXX)							
	2,010	2003	2004	2005	2006	2007	2008	2009	2010
Industry sector:									
Goods producing industries (2)	223,020	1170	1360	1570	1220	1380	1210	950	850
Natural resources and mining (2) (3)	20,930	50	40	50	40	50	30	20	30
Agriculture Forestry Fishing and Hunting (2)	14,010	-	-	-	20	20	-	-	-
Mining (3)	6,910	20	20	50	20	20	-	20	20
Construction	74,950	600	750	1030	740	890	820	640	480
Manufacturing	127,140	520	570	490	440	450	360	290	340
Service providing industries	710,170	1220	1290	1380	1400	1160	1290	1670	1040
Trade Transportation and Utilities (4)	284,630	540	650	510	450	430	320	340	350
Wholesale Trade	58,060	210	110	160	60	70	90	40	40
Retail Trade	131,380	190	410	110	150	180	100	150	140
Transportation and Warehousing (4)	89,540	70	-	110	70	90	60	40	60
Utilities	5,650	70	100	140	160	90	70	100	110
Information	19,330	20	-	100	20	110	40	210	70
Financial activities	27,480	20	40	30	150	20	370	450	70
Finance and Insurance	10,500	-	-	-	130	-	120	40	-
Real Estate and Rental and Leasing	16,980	-	-	30	-	-	250	400	50
Professional and business services	75,890	160	220	310	110	120	140	200	80
Professional Scientific and Technical Services	18,140	-	-	50	30	40	50	40	-
Management of Companies and Enterprises	7,160	-	-	-	-	-	-	-	-
Administrative and Support and Waste Management and Remediation Services	50,590	140	200	240	70	70	80	150	70
Education and health services	186,830	220	170	300	210	130	100	120	240
Educational Services	10,440	-	30	40	20	-	20	-	60
Health Care and Social Assistance	176,380	210	140	260	200	120	90	110	180
Leisure and hospitality	88,740	220	140	120	410	210	270	340	230
Arts Entertainment and Recreation	15,050	20	70	30	-	-	20	-	40
Accommodation and Food Services	73,700	200	-	100	400	200	250	320	190
Other services	27,260	50	-	-	60	140	30	-	-
Other Services except Public Administration	27,260	50	-	-	60	140	30	-	-
Public Administration	-	-	-	-	-	-	-	-	-
Nature of injury illness:									
Sprains strains	370,130	-	-	-	-	-	-	-	-
Fractures	69,380	-	-	-	-	-	-	-	-
Cuts lacerations punctures	79,120	-	-	-	-	-	-	-	-
Bruises contusions	76,960	-	-	-	-	-	-	-	-
Heat burns	14,620	-	-	-	-	-	-	-	-
Chemical burns	4,210	-	-	-	-	-	-	-	-
Amputations	5,260	-	-	-	-	-	-	-	-
Carpal tunnel syndrome	8,490	-	-	-	-	-	-	-	-
Tendonitis	4,010	-	-	-	-	-	-	-	-
Multiple injuries	41,620	-	-	-	-	-	-	-	-
With fractures	7,600	-	-	-	-	-	-	-	-
With sprains	15,410	-	-	-	-	-	-	-	-
Soreness Pain	101,290	-	-	-	-	-	-	-	-
Back pain	33,240	-	-	-	-	-	-	-	-
All other	158,120	2390	2650	2950	2620	2540	2490	2620	1890

Nonfatal electrical injuries involving days away from work (1) by selected worker characteristics, All U.S., private industry, 2003-2010

Characteristic	All Causes	Contact with electric current (code 31XXXX)							
	2,010	2003	2004	2005	2006	2007	2008	2009	2010
Part of body affected:									
Head	61,830	40	70	290	90	220	70	160	60
Eye	22,370	20	-	220	30	40	40	130	20
Neck	12,950	-	-	-	-	-	-	-	-
Trunk	310,400	20	-	20	-	-	20	30	-
Back	185,270	-	-	-	-	-	-	-	-
Shoulder	68,040	-	-	-	-	-	-	-	-
Upper extremities	209,600	510	630	610	670	510	610	350	300
Finger	75,440	80	90	100	60	100	140	70	100
Hand except finger	39,510	190	360	390	480	180	200	140	110
Wrist	39,110	-	-	-	-	-	-	-	-
Lower extremities	212,080	-	-	20	-	-	20	-	-
Knee	82,980	-	-	-	-	-	-	-	-
Foot toe	40,060	-	-	-	-	-	-	-	-
Body systems	16,390	1470	1620	1680	1580	1480	1550	1580	1370
Multiple	104,020	300	300	310	250	210	200	500	130
All other	5,930	-	-	20	-	100	20	-	20
Source of injury illness:									
Chemicals chemical products	13,600	-	-	-	-	-	-	-	-
Containers	112,880	60	-	20	-	-	-	20	-
Furniture fixtures	37,590	50	110	180	120	160	340	130	70
Machinery	52,320	670	520	520	520	470	590	420	360
Parts and materials	78,990	1340	1560	1960	1780	1590	1320	1300	1160
Worker motion or position	128,230	-	-	-	-	-	-	-	-
Floor ground surfaces	193,910	-	-	-	-	-	-	-	-
Handtools	42,140	100	150	50	30	90	90	40	60
Vehicles	77,300	-	70	20	20	-	20	-	70
Health care patient	55,150	-	-	-	-	-	-	-	-
All other	122,660	160	210	160	160	220	130	710	160
Day of Week:									
Sunday	60,340	70	240	60	80	270	200	80	90
Monday	168,410	480	450	430	630	370	650	290	340
Tuesday	166,360	480	430	710	590	500	390	400	390
Wednesday	162,140	440	630	470	430	340	540	580	300
Thursday	157,380	420	370	700	490	700	300	290	380
Friday	144,100	440	390	410	280	280	260	780	290
Saturday	74,460	70	150	160	120	80	150	200	100
Time of Day:									
12:01 AM - 4:00 AM	29,880	50	90	90	60	70	20	50	40
4:01 AM - 8:00 AM	90,350	250	140	140	140	200	210	110	110
8:01 AM - 12:00 PM	263,850	800	1060	1180	940	1020	660	1040	740
12:01 PM - 4:00 PM	212,770	660	570	870	650	670	710	600	420
4:01 PM - 8:00 PM	105,910	260	440	270	300	180	360	350	150
8:01 PM - 12:00 AM	57,650	130	-	80	110	150	150	110	140
Not reported	172,790	230	320	320	420	260	390	350	290

Nonfatal electrical injuries involving days away from work (1) by selected worker characteristics, All U.S., private industry, 2003-2010

Characteristic	All Causes	Contact with electric current (code 31XXXX)							
	2,010	2003	2004	2005	2006	2007	2008	2009	2010
Hours Worked:									
Occurred before shift began	7,760	-	-	-	-	-	-	-	-
Less than 1 hour	76,850	260	120	60	180	160	300	520	80
1 - 2 hours	89,750	210	300	200	310	140	130	170	160
2 - 4 hours	187,630	540	650	790	630	600	500	390	420
4 - 6 hours	153,520	420	480	590	400	530	430	370	380
6 - 8 hours	129,500	390	560	670	360	420	430	300	350
8 - 10 hours	65,860	250	120	170	190	120	220	410	140
10 - 12 hours	17,700	40	-	90	40	80	40	40	30
12 - 16 hours	7,020	-	-	-	20	-	-	-	-
More than 16 hours	610	-	-	-	-	-	-	-	-
Not reported	197,010	270	340	380	490	380	430	420	330

Footnotes

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

(2) Excludes farms with fewer than 11 employees.

(3) 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.

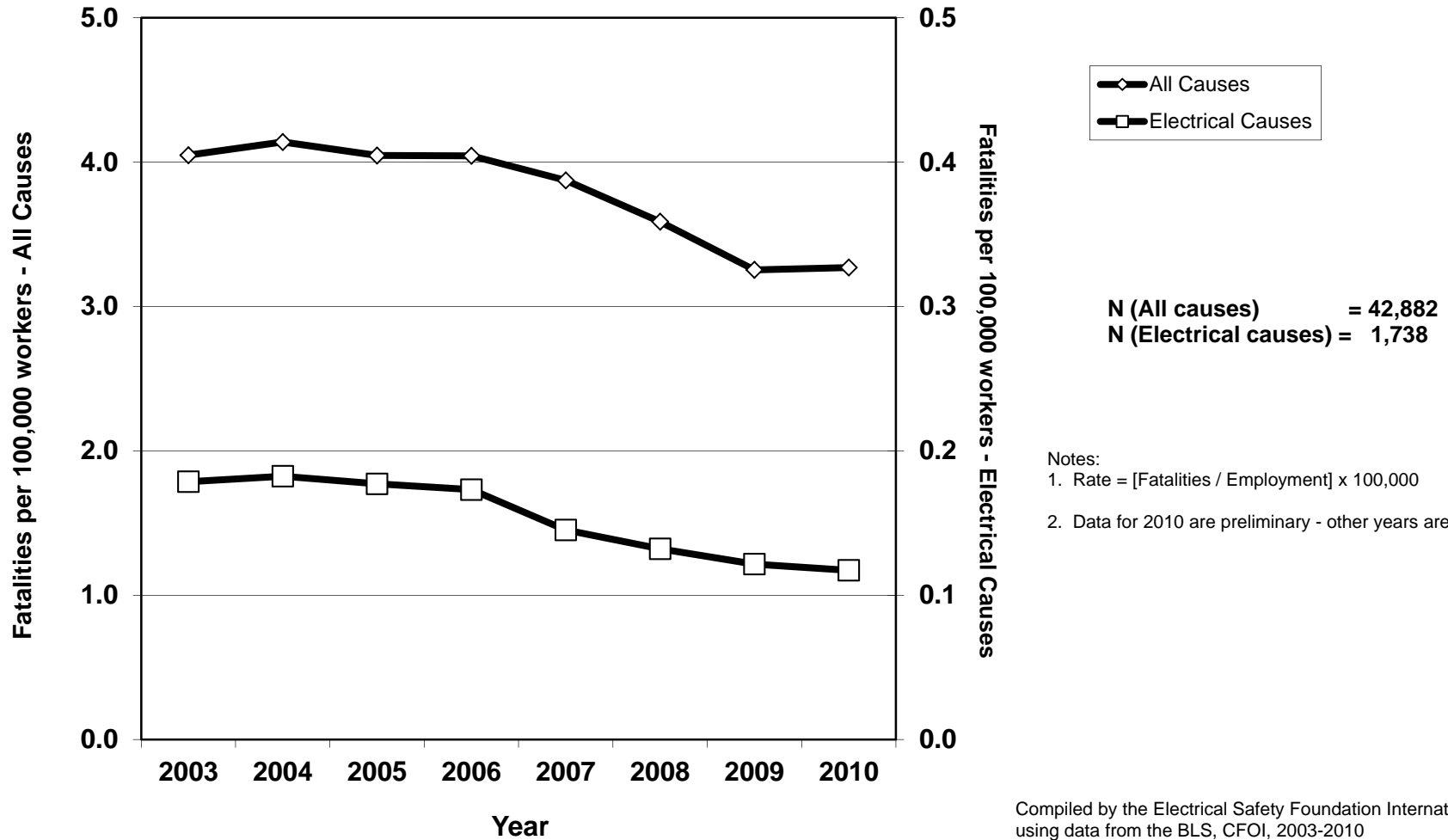
(4) Data for employers in railroad transportation are provided to BLS by the Federal Railroad Administration U.S. Department of Transportation. These data do not reflect the changes Occupational Safety and Health Administration made to its recordkeeping requirements effective January 1 2002; therefore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

(5) 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.

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 or call (202) 691-6170.

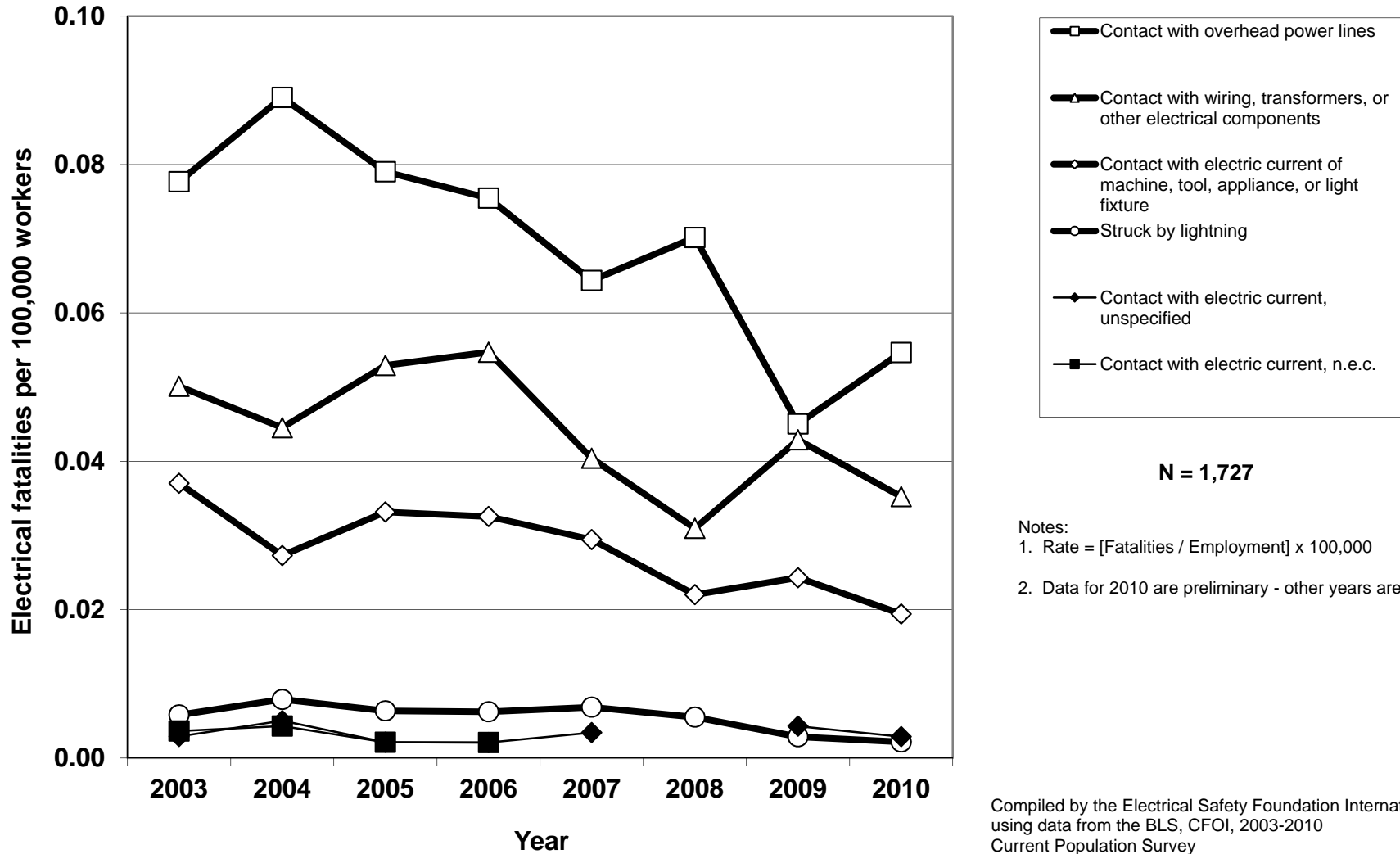
Compiled by the Electrical Safety Foundation International using data from the Bureau of Labor Statistics U.S. Department of Labor Dec 9 2011

Fatality Rates for All Causes vs. Electrical Causes, 2003-2010



Compiled by the Electrical Safety Foundation International using data from the BLS, CFOI, 2003-2010 Current Population Survey

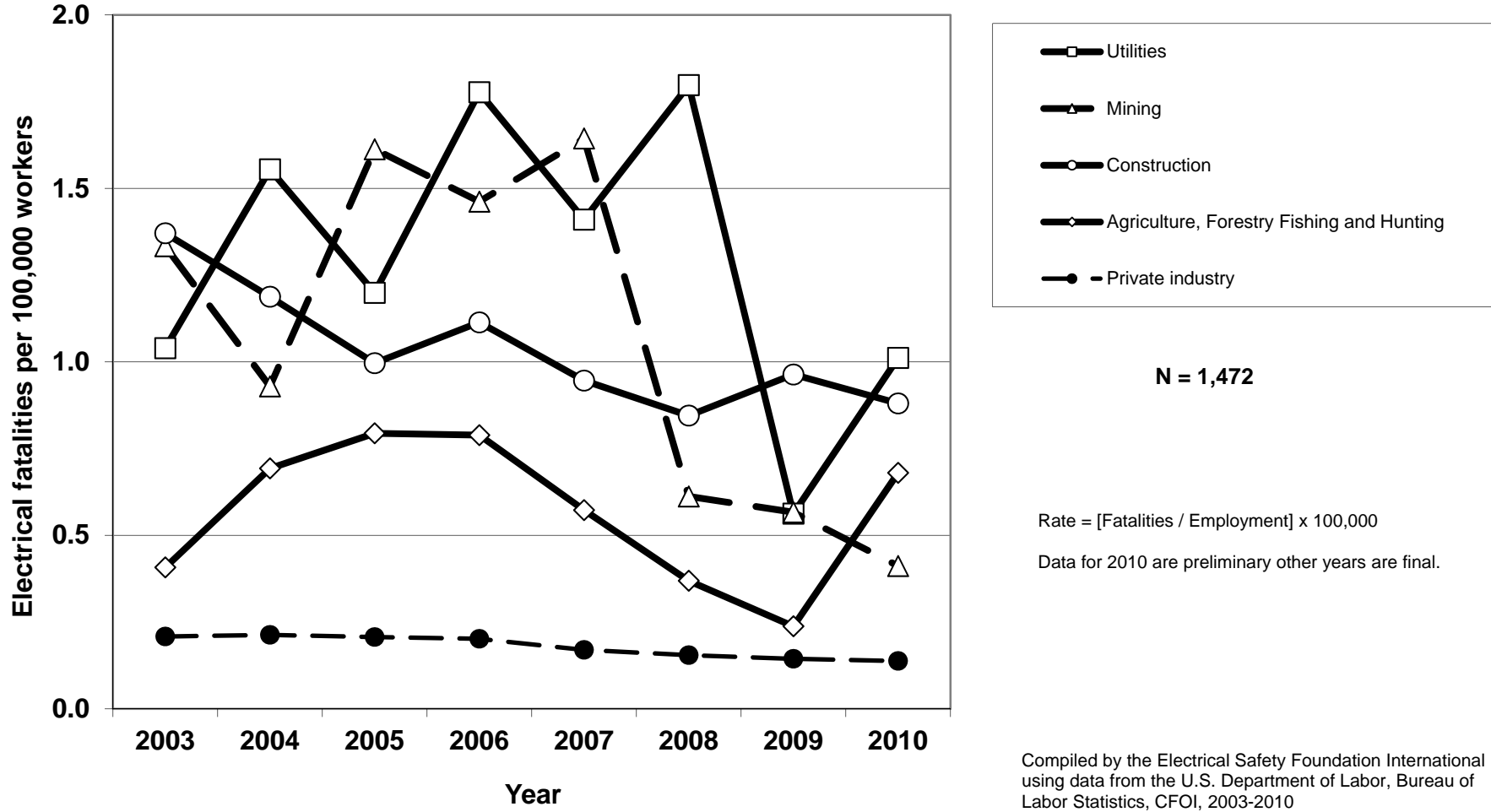
Electrical Fatality Rates, by Event, 2003-2010



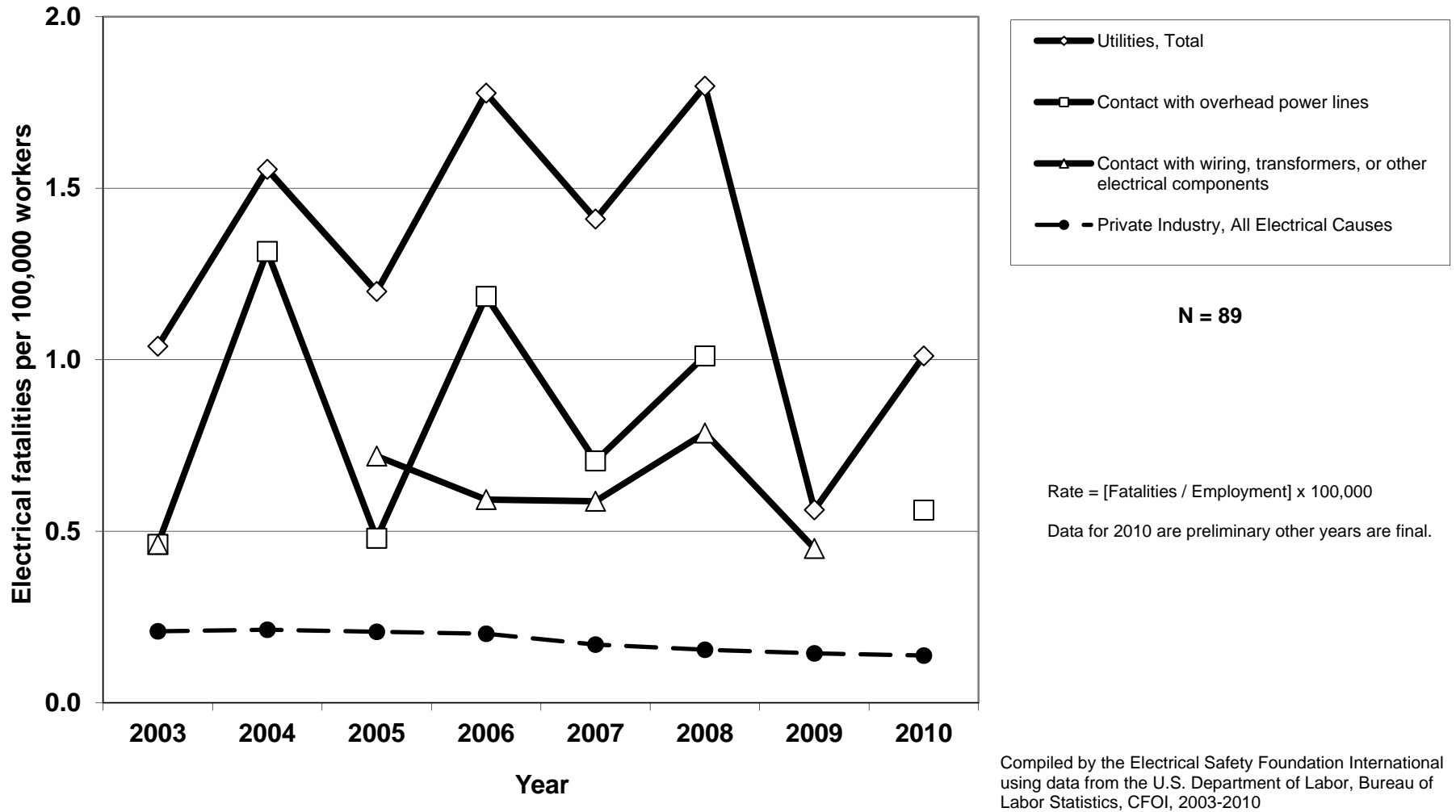
Notes:
1. Rate = [Fatalities / Employment] x 100,000
2. Data for 2010 are preliminary - other years are final.

Compiled by the Electrical Safety Foundation International using data from the BLS, CFOI, 2003-2010 Current Population Survey

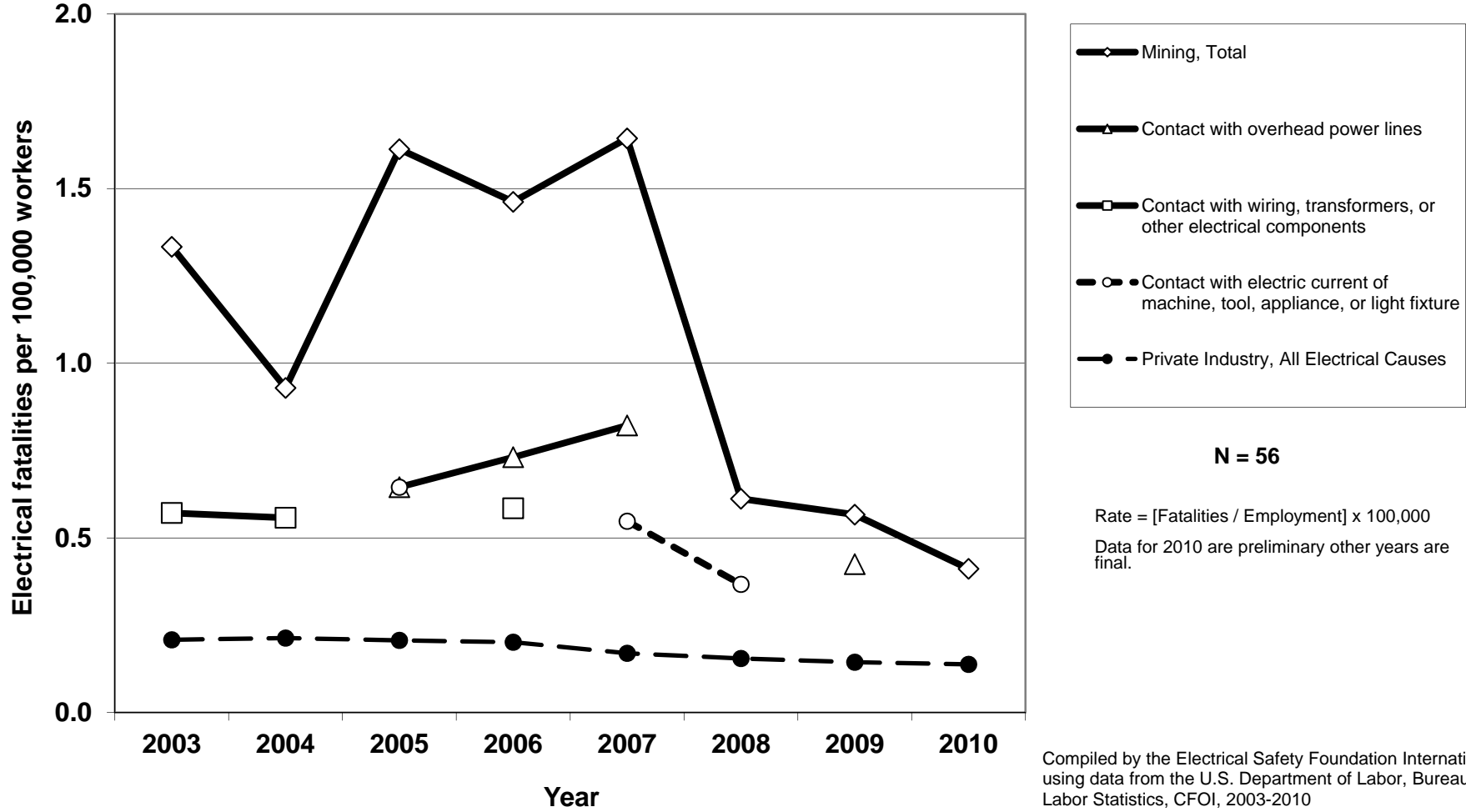
Electrical Fatality Rates for Selected Industries, Private Industry, 2003-2010



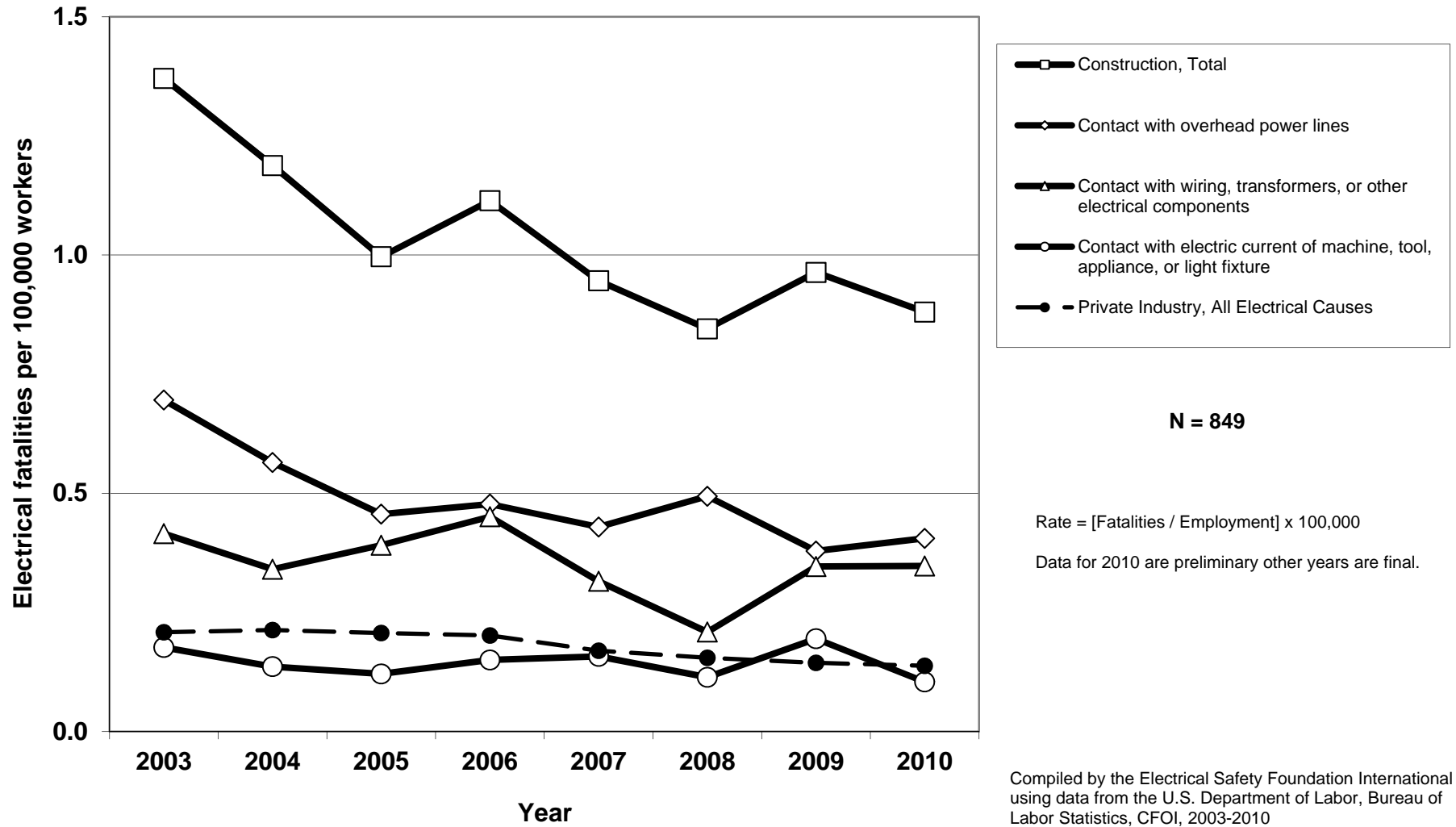
Utility Industry, Selected Electrical Fatality Rates, by Event, 2003-2010



Mining Industry, Selected Electrical Fatality Rates, by Event, 2003-2010



Construction Industry , Selected Electrical Fatality Rates, by Event, 2003-2010



Compiled by the Electrical Safety Foundation International using data from the U.S. Department of Labor, Bureau of Labor Statistics, CFOI, 2003-2010

Agriculture, Forestry Fishing and Hunting Industry, Selected Electrical Fatality Rates, by Event, 2003-2010

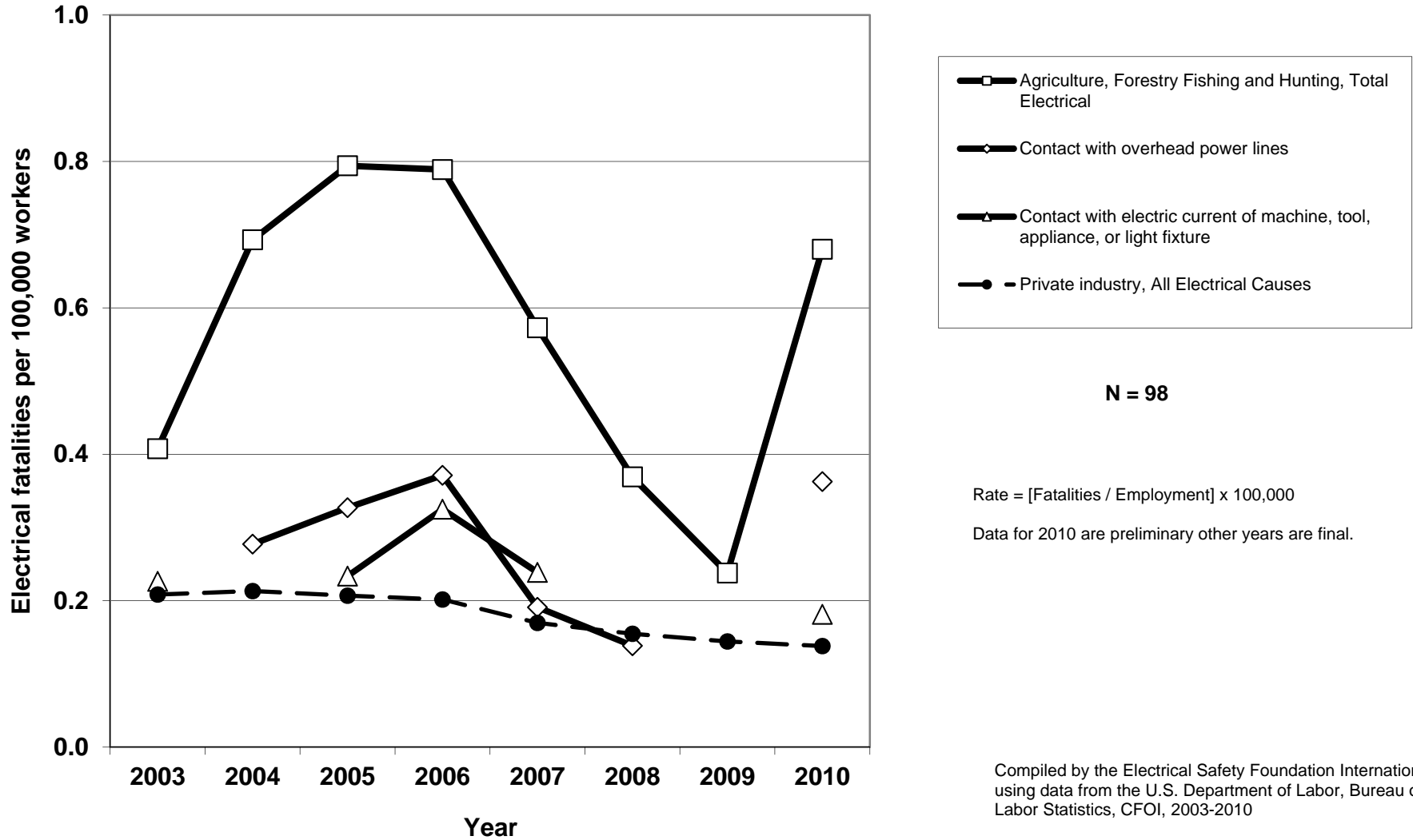
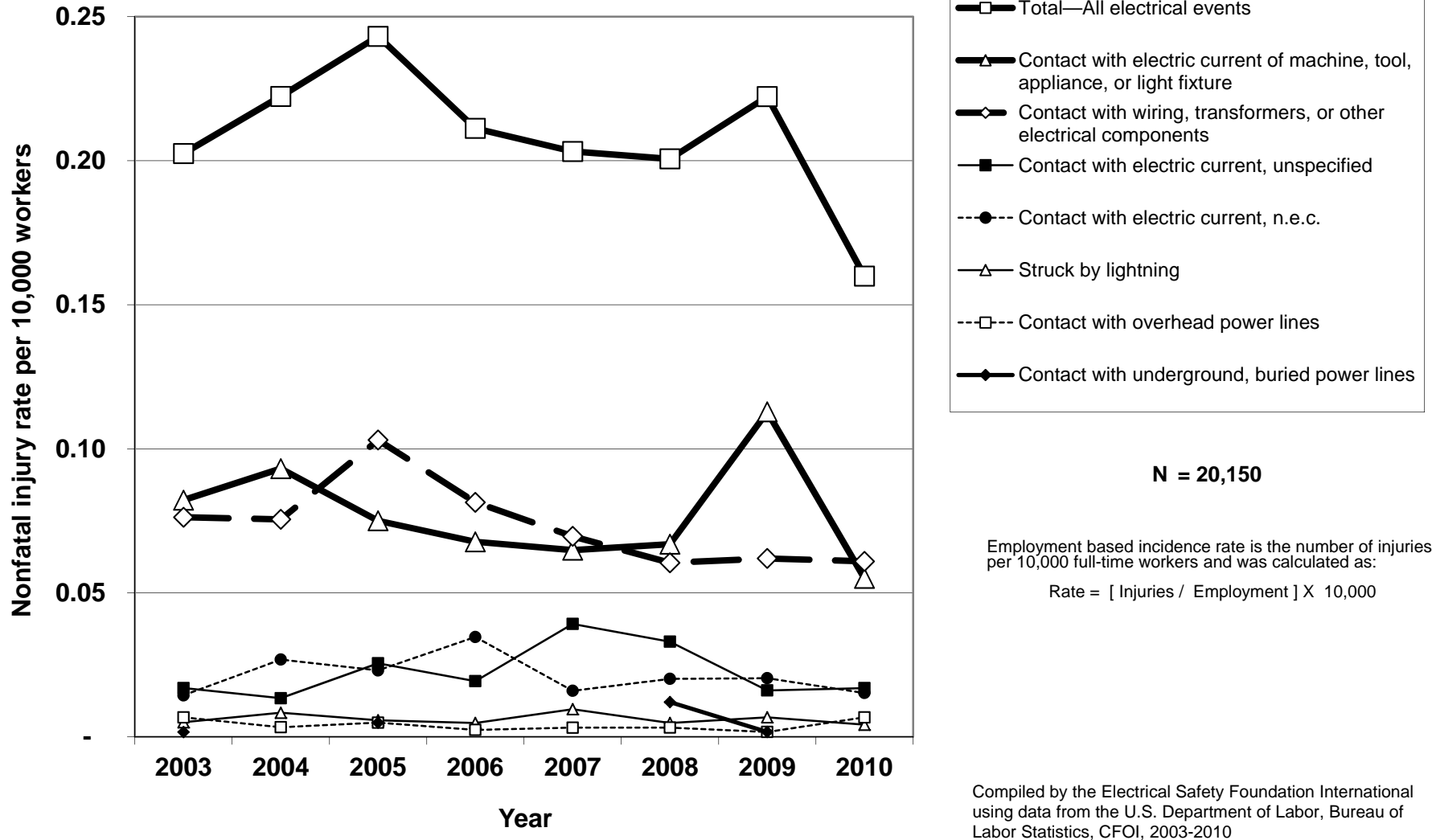
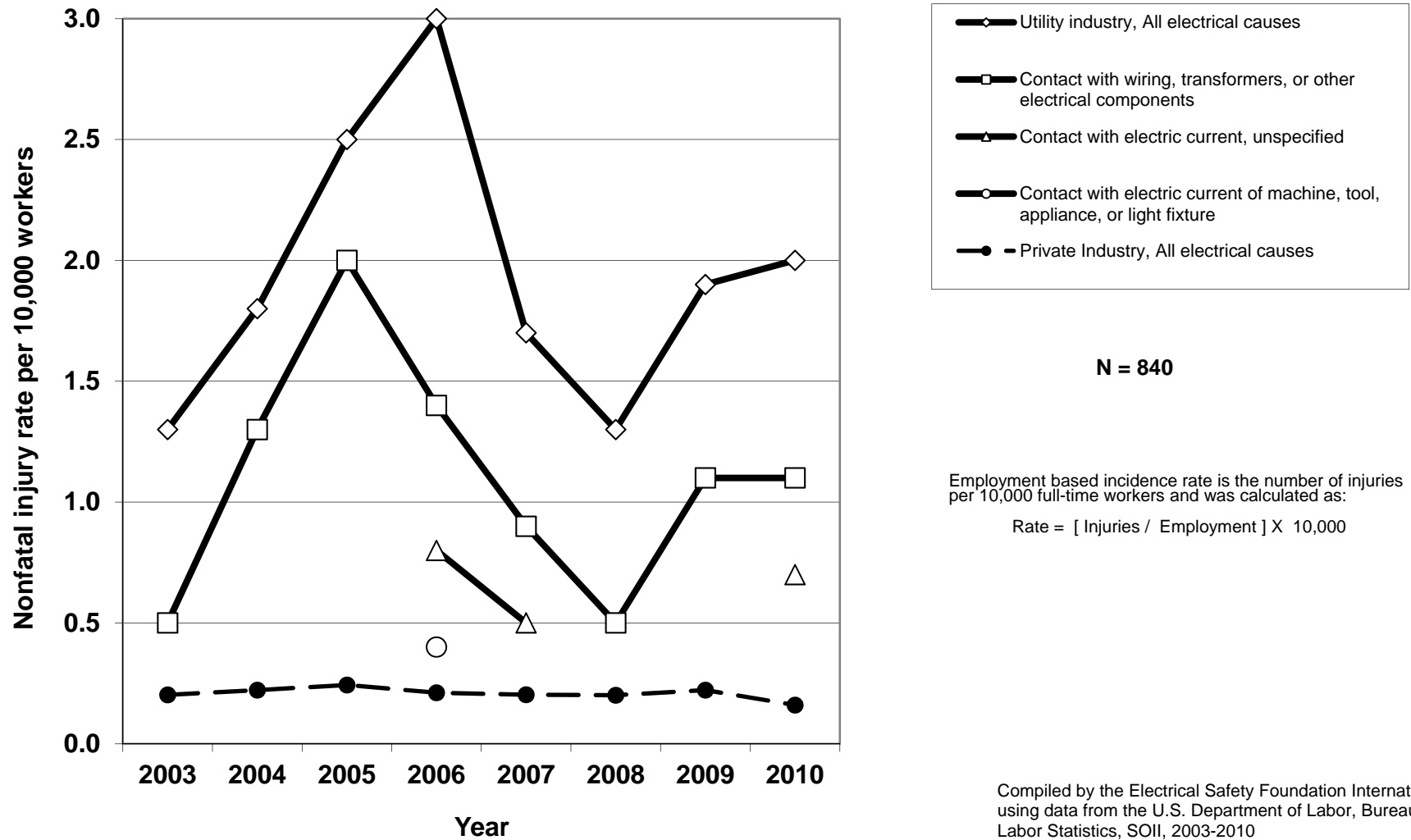


Fig. 8

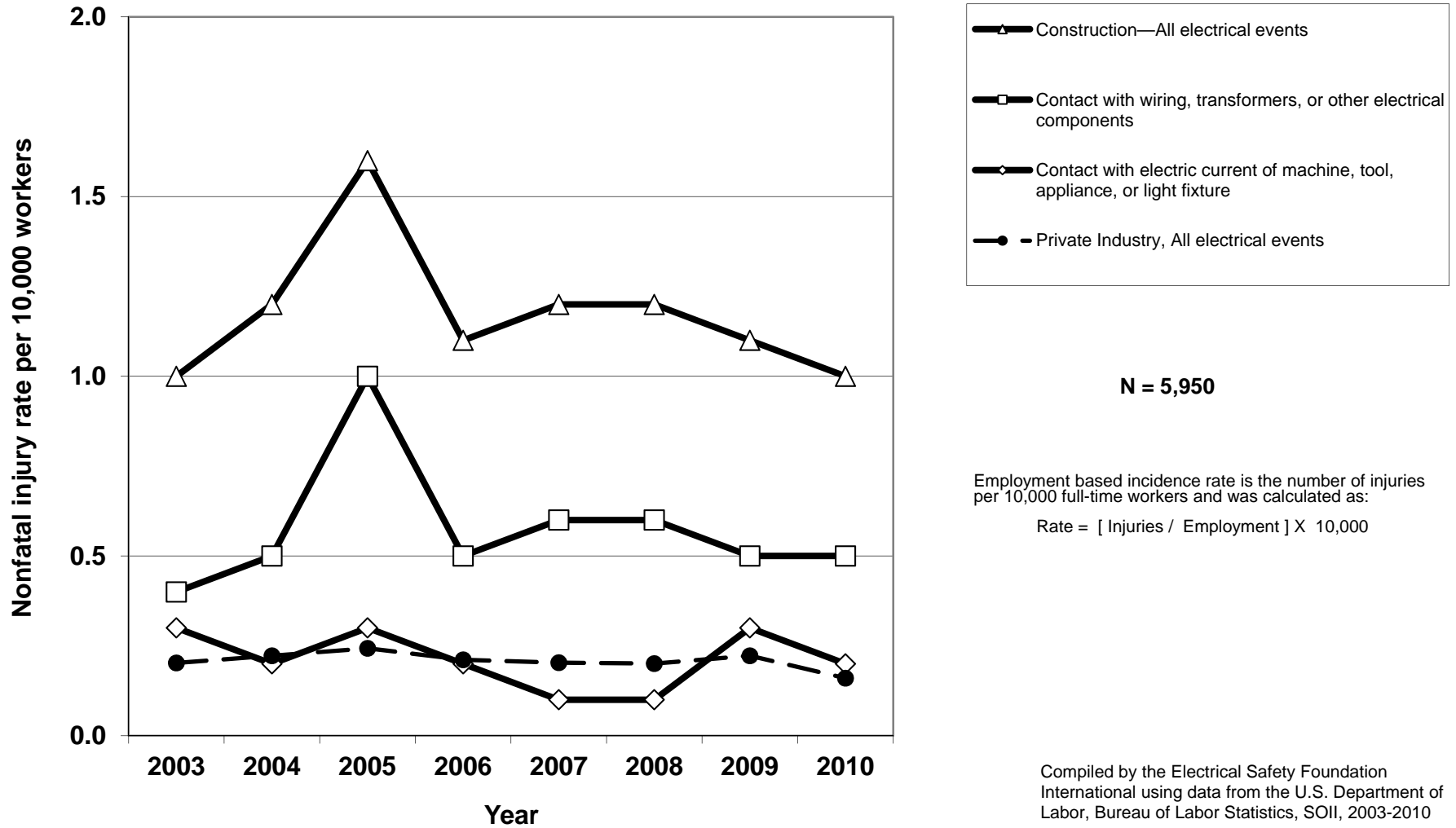
Nonfatal Electrical Injury Rates, by Event, Private Industry, 2003-2010



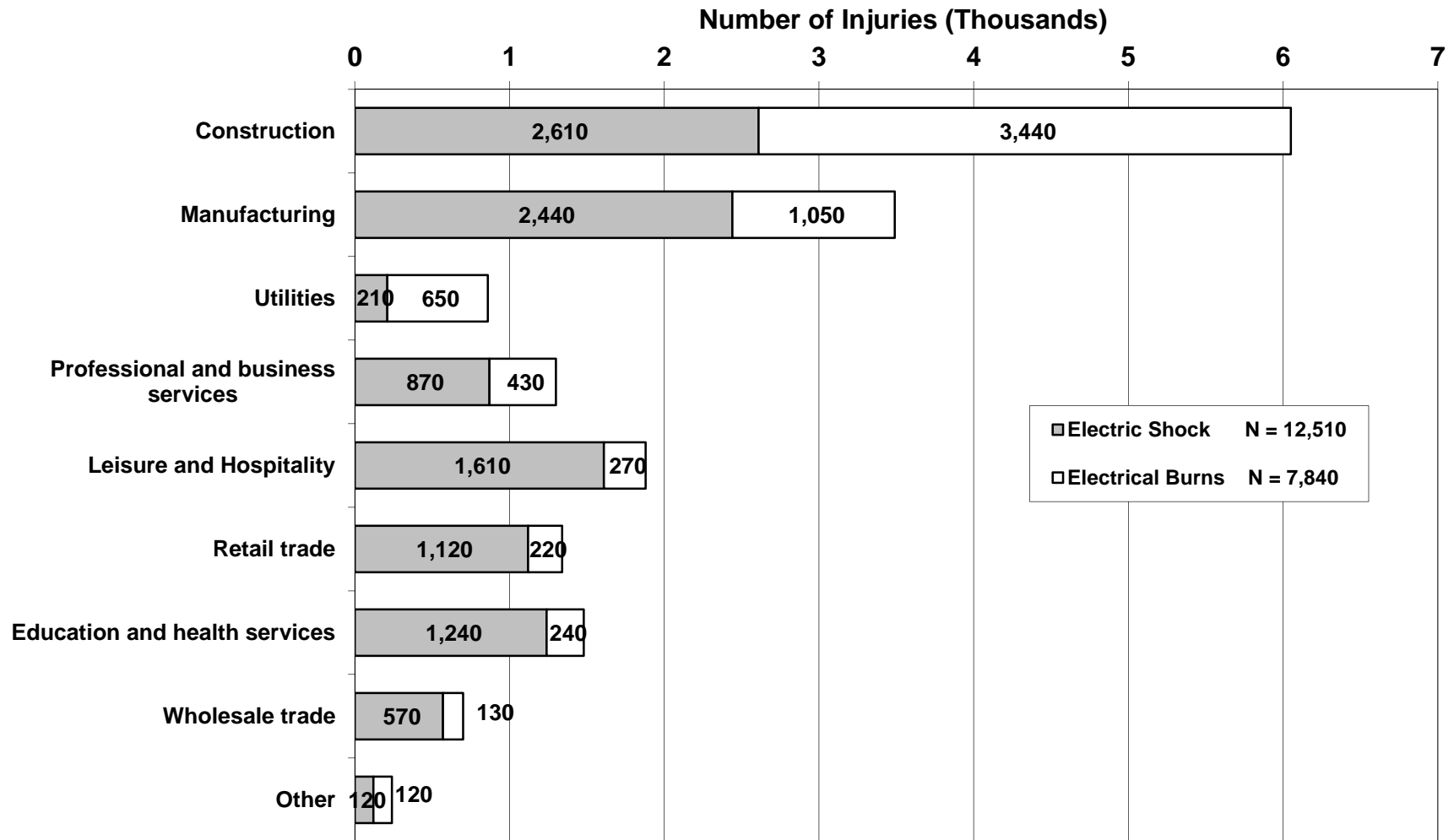
Rates of Nonfatal Electrical Injury in the Utility Industry, by Event, 2003-2010



Rates of Nonfatal Electrical Injury in the Construction Industry, by Event, 2003-2010

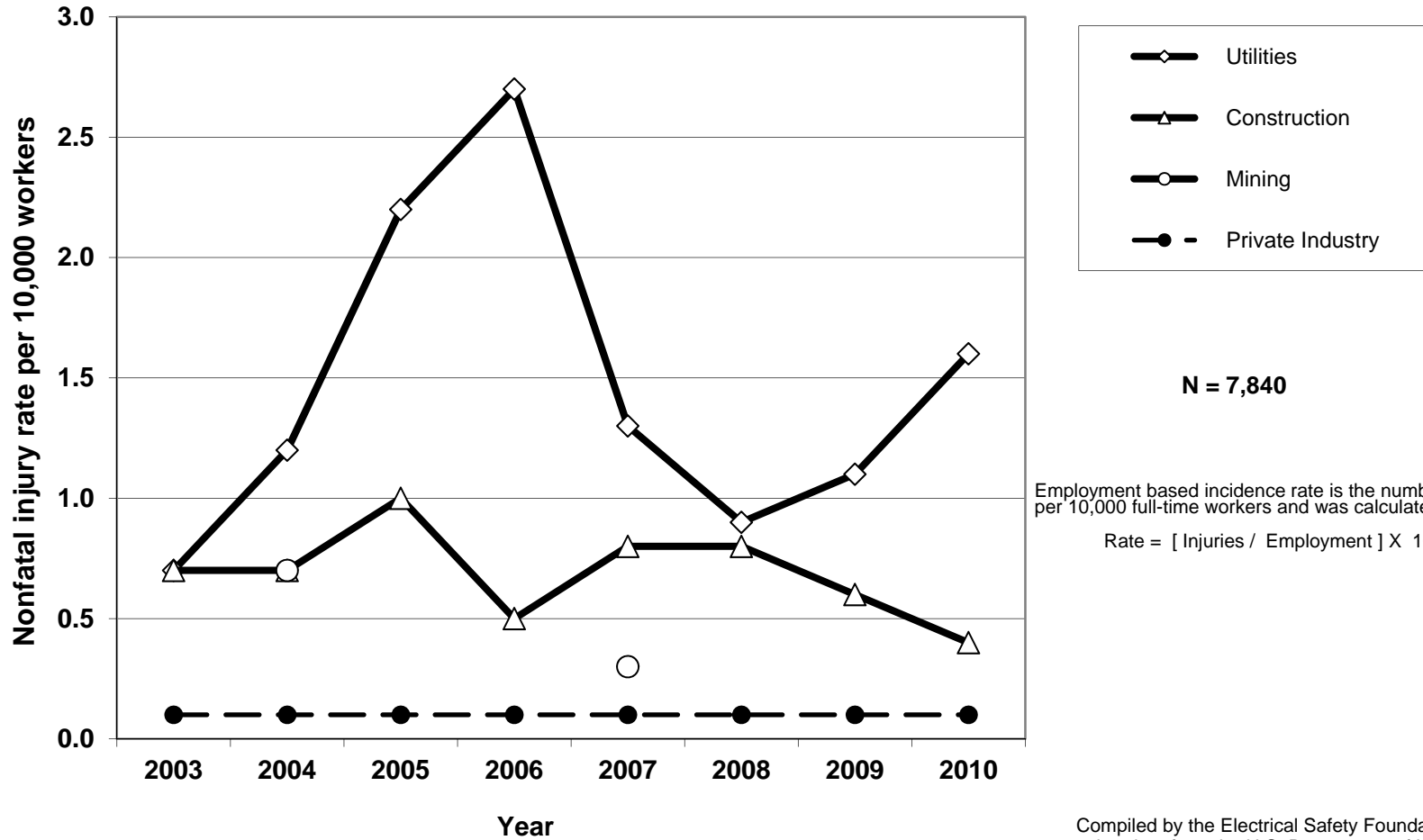


Nonfatal Electrical Injuries, Private Industry, by Nature of Injury (Shocks, Burns), 2003-2010



Compiled by the Electrical Safety Foundation International using data from the BLS SOII, 2003-2010

Rates of Nonfatal Electric Burn Injury for Selected Industries, Private Industry, 2003-2010



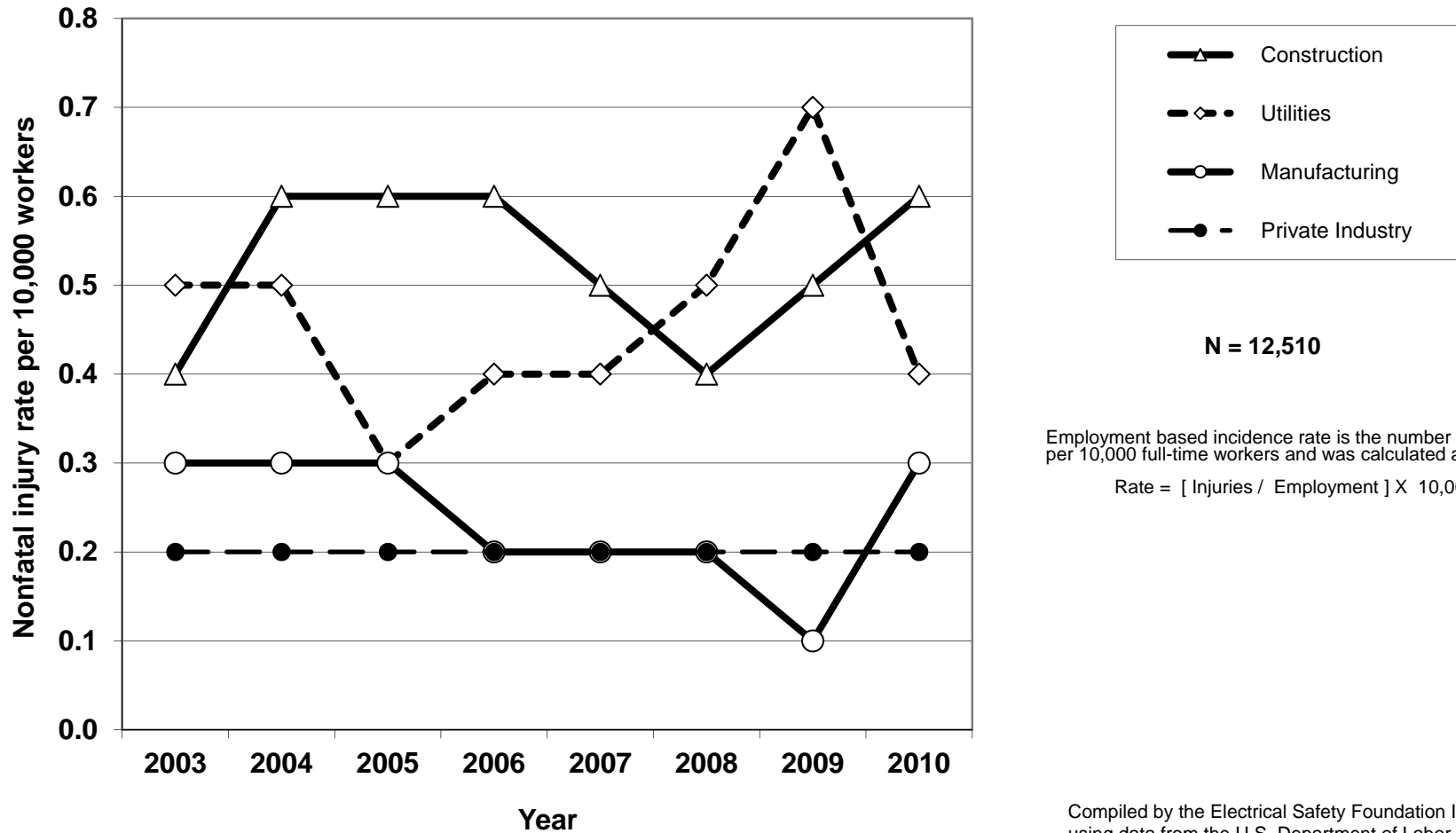
N = 7,840

Employment based incidence rate is the number of injuries per 10,000 full-time workers and was calculated as:

$$\text{Rate} = [\text{Injuries} / \text{Employment}] \times 10,000$$

Compiled by the Electrical Safety Foundation International using data from the U.S. Department of Labor, Bureau of Labor Statistics, SOII, 2003-2010

Rates of Nonfatal Electric Shock Injury for Selected Industries, Private Industry, 2003-2010



Compiled by the Electrical Safety Foundation International using data from the U.S. Department of Labor, Bureau of Labor Statistics, SOII, 2003-2010