

Fatal and non-fatal accidents in other electrical equipment in Japan in 1999-2022

other electrical equipment industry Code No.011409

Type of accidents in other electrical equipment in 1999-2022

Type of accidents	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
fall from height	51	51	56	70	47	77	48	70	71	52	31	37	45	46	47	41	49	48	53	50	54	43	43	44	1,224
falling to same level	97	99	90	79	86	98	96	115	120	104	70	78	74	104	73	73	91	106	93	117	115	95	104	130	2,307
crash	27	29	21	22	25	25	20	23	20	28	12	23	19	21	17	22	11	21	23	21	31	15	19	19	514
struck by flying or falling object	44	58	48	35	43	49	43	48	42	35	27	26	31	24	35	21	14	33	30	18	24	22	32	28	810
collapse	13	20	18	20	15	19	10	18	16	13	5	9	13	9	14	12	9	10	18	12	16	6	6	9	310
crashed by	22	21	20	15	18	25	21	23	21	27	11	19	10	9	9	16	11	14	13	13	16	13	14	19	400
caught in/between	253	253	232	193	190	196	167	165	155	149	94	118	113	104	89	99	88	89	91	97	92	93	90	99	3,309
cut	65	66	54	46	45	60	48	51	49	50	34	34	30	30	35	25	25	20	27	29	23	29	21	31	927
injury to the sole of the foot	1	2	1					3							1					1	1				10
drown													2												2
contact to high/low-	15	14	3	10	10	8	8	10	11	9	2	10	9	6	4	4	6	7	6	15	11	6	8	5	197

construction machine			1					1		1	3			1	1	1				1					10
metal manufacturing machine	126	141	115	94	90	81	80	86	80	66	47	58	59	60	51	41	43	43	39	41	39	42	44	50	1,616
general machine	107	109	101	92	73	104	84	76	79	76	38	57	50	43	46	41	41	41	43	46	32	41	45	46	1,511
mobile silviculture machine																									
crane	5	8	13	14	10	18	8	13	9	8	5	6	8	8	5	9	2	8	6	7	7	5	8	6	196
conveying machine	42	33	44	41	43	40	39	45	40	34	23	14	21	15	19	14	19	22	26	21	34	25	14	21	689
vehicle	21	28	19	19	12	11	16	18	9	16	7	18	11	9	8	14	9	3	12	13	5	7	10	6	301
pressure vessel		3				1				1	1		1	1			1								9
chemical facilities	1		1			1		3		2		1					1								10
welding equipment	4	3	1	4	5	3	3	3	3	3		2	3	5		1	1	3	1	1	1	2		2	54
kiln, caldron	3	2		2	1	2			1		1	1	2	2		2	1		2	2		1	1		26
electric equipment	5	6	5	5	6	5	6	5	6	11	2	3	7	3	1	5	5	2	7	3	4	1	6	5	114
human power machine, tools	24	46	38	29	34	33	31	32	33	32	16	29	22	20	21	30	21	19	29	26	35	41	32	36	709
tools	41	45	38	41	39	51	42	42	55	33	22	27	34	24	29	26	32	39	38	32	52	35	42	39	898
other equipments,	15	16	15	17	14	16	17	15	18	19	7	23	10	11	18	16	15	20	19	26	12	10	18	16	383

facilities																									
temporary buildings, establishments	90	115	86	92	89	121	84	125	115	109	74	90	82	101	76	74	94	110	101	113	112	97	107	112	2,369
hazards, harmful substances	9	14	10	2	6	10	10	10	17	6	5	12	12	6	2	4	6	8	9	6	3	6	11	8	192
materials	65	66	54	51	57	67	51	51	58	57	34	41	43	33	28	30	21	25	40	30	41	23	24	38	1,028
load	52	50	41	37	42	43	30	54	52	53	32	40	29	31	25	33	31	43	20	35	27	24	37	41	902
natural environment	4	2	12	5	6	7	7	14	5	9	2	2	10	18	11	15	5	9	8	17	9	10	8	20	215
other causal agent	14	17	7	6	6	10	5	7	39	4	2	7	4	2	10	3	2	3	6	4	3	20	49	6	236
no causal agent	22	18	19	23	21	20	25	27	30	29	24	25	28	28	26	15	26	24	21	27	32	33	45	51	639
unclassifiable	3	3	2		2	2	4	6	1	1	1	4		2	1	1	3		2	1	1	1	1	3	45
total	676	733	634	581	563	655	553	640	657	578	356	465	440	429	385	377	382	428	439	457	455	428	506	511	12,328

Causal agents (small) of fatal and non-fatal accidents in other electrical equipment in 1999-2022

Causal (S) agents	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
engine			2		1		1					1				1		3			1		1		11
power transmission mechanism			6		4		5	4	6	3	6	1	4	4	2	1		3	5	3	4	2	2	2	67
circular sawing			1				4	3	1	2	2	1		1	2	1	2	3	2		2	1	1	1	30

other pressure vessels									1	1						1							3		
chemical facilities			1					3	2	1						1							8		
gas welding equipment							1		2								1					1	5		
arc welding equipment								1	1			1	3			1		1					8		
other welding equipment			1		5		2	2	2	1		2	2	2		1	1	1	1		1	2	1	27	
kiln, caldron					1				1		1	1		2		1	1			2		1	11		
industrial dryer												2				1			2			1	6		
other kiln, caldron																									
transmission			1		1		1	1	2	1	2	1	3	2			1		3	2	1		3	25	
electric power facilities			3				2	2	1	6		1	1			3	1	2		1		1	5	29	
other electrical equipment			1		5		3	2	3	4		1	3	1	1	2	3		4		3		1	2	39
human power cranes							1	1		3							1				4	3	3	7	23
human power hauling equipment			18		19		19	13	16	20	11	18	16	11	14	22	13	11	19	16	22	26	20	21	345
human power			5		1		1	2	1						1				1		1	1	1		17

high/cold temperature environment			2		1		2	5	1	3		1	3	6	2	1	1	1	2	7	6	5	4	3	56
other environments			9		5		4	7	3	3	2	1	4	12	8	13	4	7	6	10	3	4	4	16	125
other causal agent			7		6		5	7	39	4	2	7	4	2	10	3	2	3	6	4	3	20	49	6	189
no causal agent			19		21		25	27	30	29	24	25	28	28	26	15	26	24	21	27	32	33	45	51	556
unclassifiable			2		2		4	6	1	1	1	4		2	1	1	3		2	1	1	1	1	3	37
total	676	733	634	581	563	655	553	640	657	578	356	465	440	429	385	377	382	428	439	457	455	428	506	511	12,328

Workers age of fatal and non-fatal accidents in other electrical equipment in 1999-2022

Age	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
19 years old or less	17	21	24	12	17	24	11	12	11	9	12	12	6	4	6	5	5	7	8	5	6	8	7	4	253
20-29	130	192	123	133	106	144	106	133	118	100	52	90	87	75	63	53	64	63	56	66	64	70	74	62	2,224
30-39	118	153	153	142	135	157	142	175	166	145	79	116	118	100	78	67	81	97	83	84	89	75	80	78	2,711
40-49	163	134	108	107	121	121	116	111	133	122	94	100	97	117	111	109	85	112	119	124	111	107	133	126	2,781
50-59	181	174	173	143	132	137	126	145	170	127	73	101	87	82	82	82	91	89	120	112	118	105	131	163	2,944
60 years old or more	67	59	53	44	52	72	52	64	59	75	46	46	45	51	45	61	56	60	53	66	67	63	81	78	1,415
total	676	733	634	581	563	655	553	640	657	578	356	465	440	429	385	377	382	428	439	457	455	428	506	511	12,328

Workers' number of workplace of fatal and non-fatal accidents in other electrical equipment in 1999-2022

Chiba	12	8	7		11		15	20	12	10	8	14	9	11	6	7	5	8	7	8	9	9	9	15	220
Tokyo	30	26	24		24		30	31	24	26	19	12	13	13	16	12	11	9	9	21	15	18	23	15	421
Kanagawa	35	38	35		26		18	29	33	39	24	30	15	21	20	20	15	21	19	20	26	17	16	31	548
Niigata	18	29	18		15		14	22	23	21	12	8	14	13	16	8	13	16	19	21	12	13	24	15	364
Toyama	6	5	7		6		8	7	10	3	2	1	4	2	3		3	4	5	4	6	6	8	2	102
Ishikawa	5	5	3		2		5	5	4	5	2	1	1	3	1		2	3	2	3	3		1	2	58
Fukui	6	4	5		1		5	10	2	3	2	2	2	5	1	4	1	4	3	9	2	2	4	7	84
Yamanashi	8	7	7		3		4	3	9	7	2	3	2	3	5	3	10	12	9	13	9	5	6	9	139
Nagano	26	27	19		22		12	27	35	16	17	27	21	14	19	13	16	13	33	17	22	22	31	35	484
Gifu	18	17	21		9		16	14	11	11	1	14	12	8	10	13	6	8	12	10	10	9	14	11	255
Shizuoka	36	46	32		27		26	39	34	39	14	34	34	23	13	14	21	19	20	19	27	20	22	18	577
Aichi	28	43	42		37		41	36	44	37	20	28	27	31	24	28	27	21	39	25	27	24	34	35	698
Mie	26	25	20		31		19	24	25	14	20	21	9	17	9	13	17	12	9	14	13	8	9	15	370
Shiga	18	17	11		20		18	20	19	16	11	19	19	15	22	19	13	15	19	19	13	12	19	18	372
Kyoto	28	21	22		17		10	13	11	16	19	18	13	12	9	10	9	15	14	15	21	9	12	7	321
Osaka	62	89	58		36		35	55	44	33	22	23	24	24	17	22	30	24	22	39	29	40	40	38	806
Hyogo	24	38	33		32		49	54	70	35	33	36	28	29	37	29	30	36	24	30	38	26	37	37	785
Nara	4	6	4		4		4	6	10	6	3	3	2	5	4	1		2	7	4	3	2	4	3	87
Wakayama	6	1			2		1	5	1	8	1	2		3			1	4	4	1	1	3	4	2	50
Tottori		3	3		2		2	4	3	2	2	1	1	1	3	5	2	5	1	3		2	1	2	48
Shimane	1	2	5		5		5	4	4	2	1	2	2		4	2		1				1	2	1	44

Okayama	14	14	10		11		10	9	16	8	7	6	12	10	8	6	7	8	9	7	8	11	4	8	203
Hiroshima	7	9	4		10		6	7	5	3	8	5	7	9	2	3	4	6	4	11	4	4	7	2	127
Yamaguchi	1	1	3		2		1	2	3	1	2	2	2	2	1	1	1	1	2	1		2	2		33
Tokushima	4	5	5		5		1	1		1		1		1	1	3		4		1	1	3			37
Kagawa	2	3	5		3		3	3	2	5	3	4	4	5	1	3	2	4	4	4	3		3	3	69
Ehime	7	8	6		2		2	2		5	3	5	3	4	3	1				1		2	2	1	57
Kochi	2	3	1		3		2	2		2	2	2	3	2				1				1		4	30
Fukuoka	15	19	19		21		16	9	14	27	16	15	15	17	11	7	14	9	10	6	9	14	9	10	302
Saga	6	6	3		2		8	8	8	3	3	4	4		4	1	3	3	5	3		4	6	1	85
Nagasaki	6	1	4		2		2	2	10	6	1	1	2		2		2	2	2	3	3	15	3	4	73
Kumamoto	6	2	4		5		2	3	8	8	3	7	4	4	4	3	3	10	2	2	8	8	7	5	108
Oita	4	5	9		5		3	7	9	1	1		1	4		1		2	3	4	5	5	2	5	76
Miyazaki	5	5	3		4		3	9	4	5	1		6	2	3	2	1	4	4	2	10	3	4	2	82
Kagoshima	16	3	12		5		4	2	2	6	1	7	8	1	4	1	5	6	4	4	3	3	5	6	108
Okinawa			1				2	3										1		1				1	9
total	676	733	634	581	563	655	553	640	657	578	356	465	440	429	385	377	382	428	439	457	455	428	506	511	12,328

Fatal and non-fatal accidents mean fatal and non-fatal injuries and occupational diseases with work absence of 4 days and more.

Data of 2022 year do not include Covid-19 cases. Data of 2020 & 2021 year include Covid-19 cases. Fatal and non-fatal data are same situation.

Data of 2011 year include fatal and non-fatal accidents caused by Great East Japan Earthquake in 2011.

Data sources: <https://anzeninfo.mhlw.go.jp/user/anzen/tok/anst00.html> (MHLW, Japan)

