

Fatal and non-fatal accidents in other electrical equipment in Japan in 1999-2021

other electrical equipment industry Code No.011409

Type of accidents in other electrical equipment in 1999-2021

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	total	Type of accidents
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	1,180	fall from height
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	2,177	falling to same level
crash	27	29	21	22	25	25	20	23	20	28	12	23	19	21	17	22	11	21	23	21	31	15	19	495	crash
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	782	struck by flying or falling object
collapse	13	20	18	20	15	19	10	18	16	13	5	9	13	9	14	12	9	10	18	12	16	6	6	301	collapse
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	381	crashed by
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	3,210	caught in/between
cut	65	66	54	46	45	60	48	51	49	50	34	34	30	30	35	25	25	20	27	29	23	29	21	896	cut
injury to the sole of the foot	1	2	1					3							1					1	1			10	injury to the sole of the foot
drown													2											2	drown
contact to high/low-temperature	15	14	3	10	10	8	8	10	11	9	2	10	9	6	4	4	6	7	6	15	11	6	8	192	contact to high/low-temperature

contact to harmful substance	5	10	9	1	4	9	8	10	15	5	3	10	8	5	2	5	3	7	6	3	2	6	7	143	contact to harmful substance
electric shock	2	3	5	3	5	2	2	2	4	5	1	3	3	2	1	3	1	2	1	1	4	1	2	58	electric shock
explosion		1	1			1											2		1					6	explosion
burst		1	1							2		2	1		1		1						1	10	burst
fire	1	1	2		1		1				1		1				1	1					2	12	fire
traffic accident (public road)	17	23	19	24	7	10	13	17	10	13	9	16	10	14	6	11	5	1	16	10	8	6	8	273	traffic accident (public road)
traffic accident (others)	1	2				2	2						1							2				10	traffic accident (others)
reaction to motion/improper motion	56	73	51	58	64	68	63	78	85	82	51	73	66	50	46	43	60	64	59	65	54	74	100	1,483	reaction to motion/improper motion
others	4	5	1	4	2	5	3	4	37	3	4	5	4	3	4	2	3	5	1	2	1	19	47	168	others
unclassifiable	2	1	2	1	1	1		3	1	1	1	2		2	1		2		1	1	3		2	28	unclassifiable
total	676	733	634	581	563	655	553	640	657	578	356	465	440	429	385	377	382	428	439	457	455	428	506	11,817	total

Causal agents (large) of fatal and non-fatal accidents in other electrical equipment in 1999-2021

[illegible]

machine	68	69	76	74	65	69	63	76	58	58	35	38	40	32	32	37	30	33	44	41	46	37	32	1,153	conveying machine
other equipment	93	121	98	98	99	112	99	100	116	101	49	86	79	66	69	80	77	83	96	90	104	90	99	2,105	other equipment
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	2,257	temporary buildings, establishments
substance, material	74	80	64	53	63	77	61	61	75	63	39	53	55	39	30	34	27	33	49	36	44	29	35	1,174	substance, material
load	52	50	41	37	42	43	30	54	52	53	32	40	29	31	25	33	31	43	20	35	27	24	37	861	load
environment	4	2	12	5	6	7	7	14	5	9	2	2	10	18	11	15	5	9	8	17	9	10	8	195	environment
others	39	38	28	29	29	32	34	40	70	34	27	36	32	32	37	19	31	27	29	32	36	54	95	860	others
total	676	733	634	581	563	655	553	640	657	578	356	465	440	429	385	377	382	428	439	457	455	428	506	11,817	total

Causal agents (middle) of fatal and non-fatal accidents in other electrical equipment in 1999-2021

[illegible]

tools	41	45	38	41	39	51	42	42	55	33	22	27	34	24	29	26	32	39	38	32	52	35	42	859	tools
other equipments, facilities	15	16	15	17	14	16	17	15	18	19	7	23	10	11	18	16	15	20	19	26	12	10	18	367	other equipments, 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	2,257	temporary buildings, establishments
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	184	hazards, harmful substances
materials	65	66	54	51	57	67	51	51	58	57	34	41	43	33	28	30	21	25	40	30	41	23	24	990	materials
load	52	50	41	37	42	43	30	54	52	53	32	40	29	31	25	33	31	43	20	35	27	24	37	861	load
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	195	natural environment
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	230	other causal agent
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	588	no causal agent
unclassifiable	3	3	2		2	2	4	6	1	1	1	4		2	1	1	3		2	1	1	1	1	42	unclassifiable
total	676	733	634	581	563	655	553	640	657	578	356	465	440	429	385	377	382	428	439	457	455	428	506	11,817	total

Causal agents (small) of fatal and non-fatal accidents in other electrical equipment in 1999-2021

[illegible]

engine			2		1		1				1				1		3			1		10	engine		
power transmission mechanism			6		4		5	4	6	3	6	1	4	4	2	1		3	5	3	4	2	2	65	power transmission mechanism
circular sawing machine			1				4	3	1	2	2	1		1	2	1	2	3	2		2	1	1	29	circular sawing machine
band sawing machine			1							1					1									3	band sawing machine
wood planer machine														1										1	wood planer machine
hollow chisel mortiser, wood borer												1			1					1				3	hollow chisel mortiser, wood borer
chamfering machine, router, woodworking milling machine																									chamfering machine, router, woodworking milling machine
chain saw										1		1												2	chain saw
other woodworking machines			2		2		1			1	2				1					1			1	11	other woodworking machines
leveling, transporting or loading machine																1								1	leveling, transporting or loading machine
excavating machine								1			1													2	excavating machine
foundation work machine																				1				1	foundation work machine

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machine			9		6		2		4	2		3	2		1	2		2	1	1	1	1	3	40	machine
food manufacturing machine							1																1	food manufacturing machine	
printing machine			1		2			2	1	1		2	2		1		1			2		1	1	17	printing machine
industrial robot			1				3	1	2	1		1				1	1	1				1	13	industrial robot	
other general power machines			85		57		74	63	65	68	33	48	41	39	36	34	38	32	36	40	29	35	38	891	other general power machines
felling machine																								felling machine	
mobile logging machine																								mobile logging machine	
skyline yarding machine																								skyline yarding machine	
other mobile silviculture machine																								other mobile silviculture machine	
crane			9		8		4	7	4	6	3	5	8	5	3	9	2	6	6	5	5	4	8	107	crane
mobile crane			1						2						1								4	mobile crane	
derrick crane																								derrick crane	
elevator, lift			2		2		2	5	1	1	1	1		1				1		1	2	1		21	elevator, lift
cargo lifting appliance																								cargo lifting appliance	
gondola																								gondola	
lumberyard equipment, logging cableway																								lumberyard equipment, logging cableway	

simple skyline yarding equipment																									simple skyline yarding equipment	
other powered crane			1				2	1	2	1	1			2	1			1		1					13	other powered crane
truck			16		10		10	13	17	11	8	2	7	6	8	6	9	10	10	6	10	5	4	168	truck	
forklift			16		17		21	20	10	14	11	7	11	6	3	6	6	6	10	13	14	11	5	207	forklift	
railway equipment								1						1									1	3	railway equipment	
conveyor			11		13		4	11	8	6	3	5	2	2	7	2	4	5	3	2	6	8	3	105	conveyor	
loader									1															1	loader	
straddle carrier																									straddle carrier	
rough terrain hauler																									rough terrain hauler	
other powered conveying machines			1		3		4		4	3	1		1		1			1	3		4	1	1	28	other powered conveying machines	
cars, bus, motorcycle			18		12		12	18	9	16	7	17	11	8	8	14	8	3	12	13	5	6	9	206	cars, bus, motorcycle	
railway vehicle							3										1							4	railway vehicle	
other vehicles			1				1					1		1								1	1	6	other vehicles	
boiler													1											1	boiler	
pressure vessel														1										1	pressure vessel	
other pressure vessels										1	1						1							3	other pressure vessels	
chemical facilities			1					3		2		1					1							8	chemical facilities	
gas welding							1			2								1						4	gas welding	

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facilities			15		14		17	15	18	19	7	23	10	11	18	16	15	20	19	26	12	10	18	303	facilities
scaffolding					4			1	1		1	1		1			2		2	1		1		15	scaffolding
timbering																									timbering
stairs, landing stage			21		23		17	28	32	31	16	21	14	29	24	14	21	26	18	19	28	20	27	429	stairs, landing stage
opening			3		2			2	3	3			1	2	1	1			1	2		3		24	opening
roof, beam, haze, crossbeam, principal rafter					1			6	1	2		2	2		1	1			1	2	1			20	roof, beam, haze, crossbeam, principal rafter
working platform, boot board			11		20		11	19	17	17	10	11	13	11	6	7	10	13	11	11	8	12	11	229	working platform, boot board
passage			35		29		42	43	43	40	33	35	39	35	32	30	42	56	54	59	52	48	49	796	passage
building, establishment			9		4		9	14	11	9	11	8	8	14	5	8	14	7	10	12	11	6	16	186	building, establishment
other temporary buildings, establishments			7		6		5	12	7	7	3	12	5	9	7	13	5	8	4	7	12	7	4	140	other temporary buildings, establishments
explosive substance											1			2		1		1		1				6	explosive substance
inflammable substance			2		1		1		1	1	1	1	1			1	1	1	1				1	14	inflammable substance
inflammable gas																			1					1	inflammable gas
harmful substance			6		2		8	7	10	1	2	8	4	3	1	2	5	3	6	3	2	3	5	81	harmful substance
radiation																		1						1	radiation
other hazards, harmful substances			2		3		1	3	6	4	1	3	7	1	1			2	1	2	1	3	5	46	other hazards, harmful substances

metal material			41		41		41	42	36	46	26	30	34	24	25	26	18	19	31	27	32	19	17	575	metal material
lumber, bamboo					1		4	2	2	4	4	2	1	4		1				3	2	2	2	34	lumber, bamboo
stone, sand, substance					1													1					1	3	stone, sand, substance
other materials			13		14		6	7	20	7	4	9	8	5	3	3	3	5	9		7	2	4	129	other materials
load			30		36		23	41	46	44	28	35	22	24	18	27	24	35	17	27	21	19	31	548	load
machine/equipment as load			11		6		7	13	6	9	4	5	7	7	7	6	7	8	3	8	6	5	6	131	machine/equipment as load
natural ground, rock							1			1			1					1				1		5	natural ground, rock
standing tree			1					1		2						1								5	standing tree
water								1	1				2		1									5	water
abnormal environment																									abnormal environment
high/cold temperature environment			2		1		2	5	1	3		1	3	6	2	1	1	1	2	7	6	5	4	53	high/cold temperature environment
other environments			9		5		4	7	3	3	2	1	4	12	8	13	4	7	6	10	3	4	4	109	other environments
other causal agent			7		6		5	7	39	4	2	7	4	2	10	3	2	3	6	4	3	20	49	183	other causal agent
no causal agent			19		21		25	27	30	29	24	25	28	28	26	15	26	24	21	27	32	33	45	505	no causal agent
unclassifiable			2		2		4	6	1	1	1	4		2	1	1	3		2	1	1	1	1	34	unclassifiable
total			634		563		553	640	657	578	356	465	440	429	385	377	382	428	439	457	455	428	506	9,172	total

Workers age of fatal and non-fatal accidents in other electrical equipment in 1999-2021

Age	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Age
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	249	19 years old or less
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	2,162	20-29
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	2,633	30-39
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	2,655	40-49
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	2,781	50-59
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	1,337	60 years old or more
total	676	733	634	581	563	655	553	640	657	578	356	465	440	429	385	377	382	428	439	457	455	428	506	11,817	total

Workers' number of workplace of fatal and non-fatal accidents in other electrical equipment in 1999-2021

Workers scale	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Workers scale
9 workers or less	101	122	113	111	119	134	100	99	87	67	47	53	47	45	58	45	43	51	40	46	39	48	57	1,672	9 workers or less
10-29	155	148	141	150	145	140	112	139	119	117	76	97	80	81	57	75	73	85	76	91	88	72	88	2,405	10-29
30-49	93	117	106	79	71	85	74	103	75	63	49	49	54	50	56	51	46	60	63	46	58	64	64	1,576	30-49
50-99	116	102	88	79	78	91	78	93	85	92	51	63	83	67	60	56	56	63	64	77	72	77	75	1,766	50-99
100-299	112	135	109	103	94	131	119	123	143	117	80	118	86	112	83	76	79	89	84	109	90	88	119	2,399	100-299
300 workers or more	99	109	77	59	56	74	70	83	148	122	53	85	90	74	71	74	85	80	112	88	108	79	103	1,999	300 workers or more
total	676	733	634	581	563	655	553	640	657	578	356	465	440	429	385	377	382	428	439	457	455	428	506	11,817	total

Month of fatal and non-fatal accidents in other electrical equipment in 1999-2021

Month	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Month
January	48	61	71	50	60	61	57	56	85	55	34	38	35	43	35	28	39	49	32	44	40	27	50	1,098	January
February	62	70	61	41	40	41	40	67	53	56	26	37	41	35	28	38	31	34	39	46	49	40	43	1,018	February
March	49	64	70	49	48	51	62	52	50	57	35	34	41	44	30	33	39	28	41	37	44	30	58	1,046	March
April	56	49	58	53	38	50	45	53	48	56	21	39	32	31	29	23	29	51	29	27	38	33	30	918	April
May	50	63	51	36	40	54	43	52	58	48	27	31	33	37	30	39	25	29	41	32	36	29	47	931	May
June	58	63	57	41	58	72	43	62	57	43	32	47	43	30	29	36	32	42	45	48	37	34	38	1,047	June
July	58	56	50	52	47	67	43	55	63	47	31	41	47	39	37	27	39	33	42	43	33	48	36	1,034	July
August	58	51	37	51	53	46	47	53	47	43	32	36	37	29	40	28	22	37	32	36	39	41	53	948	August
September	73	71	46	49	40	50	44	55	53	53	27	38	29	31	22	33	36	32	38	39	33	30	34	956	September
October	51	79	40	62	49	67	40	50	58	39	32	38	33	38	32	28	38	37	33	30	41	38	28	981	October
November	54	49	41	43	47	53	45	44	42	39	36	40	27	33	39	30	29	32	32	40	29	31	44	899	November
December	59	57	52	54	43	43	44	41	43	42	23	46	42	39	34	34	23	24	35	35	36	47	45	941	December
total	676	733	634	581	563	655	553	640	657	578	356	465	440	429	385	377	382	428	439	457	455	428	506	11,817	total

Prefecture of fatal and non-fatal accidents in other electrical equipment in 1999-2021

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Iwate	5	8	7		3		9	9	7	6	5	5	5	2	1	3	6	2	5	3	4	6	3	104	Iwate
Miyagi	11	14	11		7		17	11	10	9	5	9	9	8	12	6	14	13	13	8	10	7	12	216	Miyagi
Akita	6	6	5		2		4	7	4	2	1	4	4	3	1	1	2	2	1	2	5		3	65	Akita
Yamagata	10	8	5		4		8	8	12	16	3	6	5	10	9	9	12	14	9	15	6	6	7	182	Yamagata
Fukushima	22	18	20		9		12	7	12	10	2	6	9	8	11	11	7	11	8	7	5	8	15	218	Fukushima
Ibaraki	24	27	21		19		17	30	22	32	12	7	21	24	18	12	18	18	18	27	21	24	27	439	Ibaraki
Tochigi	12	16	18		18		12	11	16	11	8	8	12	6	10	14	12	11	9	9	16	14	11	254	Tochigi
Gunma	47	49	44		47		28	23	32	23	9	27	20	22	14	33	19	19	22	21	20	18	29	566	Gunma
Saitama	39	29	27		33		35	28	27	31	22	30	24	22	19	21	14	21	25	17	27	21	23	535	Saitama
Chiba	12	8	7		11		15	20	12	10	8	14	9	11	6	7	5	8	7	8	9	9	9	205	Chiba
Tokyo	30	26	24		24		30	31	24	26	19	12	13	13	16	12	11	9	9	21	15	18	23	406	Tokyo
Kanagawa	35	38	35		26		18	29	33	39	24	30	15	21	20	20	15	21	19	20	26	17	16	517	Kanagawa
Niigata	18	29	18		15		14	22	23	21	12	8	14	13	16	8	13	16	19	21	12	13	24	349	Niigata
Toyama	6	5	7		6		8	7	10	3	2	1	4	2	3		3	4	5	4	6	6	8	100	Toyama
Ishikawa	5	5	3		2		5	5	4	5	2	1	1	3	1		2	3	2	3	3		1	56	Ishikawa
Fukui	6	4	5		1		5	10	2	3	2	2	2	5	1	4	1	4	3	9	2	2	4	77	Fukui
Yamanashi	8	7	7		3		4	3	9	7	2	3	2	3	5	3	10	12	9	13	9	5	6	130	Yamanashi
Nagano	26	27	19		22		12	27	35	16	17	27	21	14	19	13	16	13	33	17	22	22	31	449	Nagano
Gifu	18	17	21		9		16	14	11	11	1	14	12	8	10	13	6	8	12	10	10	9	14	244	Gifu
Shizuoka	36	46	32		27		26	39	34	39	14	34	34	23	13	14	21	19	20	19	27	20	22	559	Shizuoka
Aichi	28	43	42		37		41	36	44	37	20	28	27	31	24	28	27	21	39	25	27	24	34	663	Aichi
Mie	26	25	20		31		19	24	25	14	20	21	9	17	9	13	17	12	9	14	13	8	9	355	Mie
Shiga	18	17	11		20		18	20	19	16	11	19	19	15	22	19	13	15	19	19	13	12	19	354	Shiga

Kyoto	28	21	22		17		10	13	11	16	19	18	13	12	9	10	9	15	14	15	21	9	12	314	Kyoto
Osaka	62	89	58		36		35	55	44	33	22	23	24	24	17	22	30	24	22	39	29	40	40	768	Osaka
Hyogo	24	38	33		32		49	54	70	35	33	36	28	29	37	29	30	36	24	30	38	26	37	748	Hyogo
Nara	4	6	4		4		4	6	10	6	3	3	2	5	4	1		2	7	4	3	2	4	84	Nara
Wakayama	6	1			2		1	5	1	8	1	2		3			1	4	4	1	1	3	4	48	Wakayama
Tottori		3	3		2		2	4	3	2	2	1	1	1	3	5	2	5	1	3		2	1	46	Tottori
Shimane	1	2	5		5		5	4	4	2	1	2	2		4	2		1				1	2	43	Shimane
Okayama	14	14	10		11		10	9	16	8	7	6	12	10	8	6	7	8	9	7	8	11	4	195	Okayama
Hiroshima	7	9	4		10		6	7	5	3	8	5	7	9	2	3	4	6	4	11	4	4	7	125	Hiroshima
Yamaguchi	1	1	3		2		1	2	3	1	2	2	2	2	1	1	1	1	2	1		2	2	33	Yamaguchi
Tokushima	4	5	5		5		1	1		1		1		1	1	3		4		1	1	3		37	Tokushima
Kagawa	2	3	5		3		3	3	2	5	3	4	4	5	1	3	2	4	4	4	3		3	66	Kagawa
Ehime	7	8	6		2		2	2		5	3	5	3	4	3	1				1		2	2	56	Ehime
Kochi	2	3	1		3		2	2		2	2	2	3	2				1				1		26	Kochi
Fukuoka	15	19	19		21		16	9	14	27	16	15	15	17	11	7	14	9	10	6	9	14	9	292	Fukuoka
Saga	6	6	3		2		8	8	8	3	3	4	4		4	1	3	3	5	3		4	6	84	Saga
Nagasaki	6	1	4		2		2	2	10	6	1	1	2		2		2	2	2	3	3	15	3	69	Nagasaki
Kumamoto	6	2	4		5		2	3	8	8	3	7	4	4	4	3	3	10	2	2	8	8	7	103	Kumamoto
Oita	4	5	9		5		3	7	9	1	1		1	4		1		2	3	4	5	5	2	71	Oita
Miyazaki	5	5	3		4		3	9	4	5	1		6	2	3	2	1	4	4	2	10	3	4	80	Miyazaki
Kagoshima	16	3	12		5		4	2	2	6	1	7	8	1	4	1	5	6	4	4	3	3	5	102	Kagoshima
Okinawa			1				2	3										1		1				8	Okinawa
total	676	733	634		563		553	640	657	578	356	465	440	429	385	377	382	428	439	457	455	428	506	10,581	total

Fatal and non-fatal accidents mean fatal and non-fatal injuries and occupational diseases with work absence of 4 days and more. 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.htm> (MHLW, Japan)

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Fatal accidents in other electrical equipment in Japan in 1999-2021

other electrical equipment industry Code No.011409

Type of fatal accidents in other electrical equipment in 1999-2021

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	total	Type of accidents
fall from height				1	1	1			2	1	1		1									2		10	fall from height
falling to same level														1						1				2	falling to same level
crash										1														1	crash
struck by flying or falling object								2																2	struck by flying or falling object
collapse								1																1	collapse
crashed by										1														1	crashed by
caught in/between				2		1	1		2	1	1	1						1		1				11	caught in/between

cut																									cut
injury to the sole of the foot																									injury to the sole of the foot
drown													2											2	drown
contact to high/low- temperature			1																1	1				3	contact to high/low- temperature
contact to harmful substance		1											2											3	contact to harmful substance
electric shock							1			1														2	electric shock
explosion																									explosion
burst																									burst
fire																									fire
traffic accident (public road)	1	2	1	2			1			1		1		1			1		1					12	traffic accident (public road)
traffic accident (others)						1																		1	traffic accident (others)
reaction to motion/improper motion																									reaction to motion/improper motion
others					1	1	1			1			1	1	1		1	2						10	others
unclassifiable																									unclassifiable
total	1	3	2	5	2	4	4	3	4	7	2	2	6	3	1		2	3	1	3	1	2		61	total

Causal agents (large) of fatal accidents in other electrical equipment in 1999-2021

Causal (L) agents	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Causal (L) agents	
machine				1			1		2			1						1		1					7	machine
crane, conveying machine	1	2	1	3		2	1	1	1	2	1	1		2			1		1						20	crane, conveying machine
other equipment			1				1	1		1	1										1	1			7	other equipment
temporary buildings, establishments				1	1	1			1	2			1										1		8	temporary buildings, establishments
substance, material		1												2											3	substance, material
load																										load
environment								1		1			2							2					6	environment
others					1	1	1			1			1	1	1		1	2							10	others
total	1	3	2	5	2	4	4	3	4	7	2	2	6	3	1		2	3	1	3	1	2			61	total

Causal agents (middle) of fatal accidents in other electrical equipment in 1999-2021

Causal (M) agents	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Causal (M)
-------------------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	-------	------------

[illegible]

welding equipment																									welding equipment
kiln, caldron			1							1														2	kiln, caldron
electric equipment							1	1		1														3	electric equipment
human power machine, tools																									human power machine, tools
tools																						1		1	tools
other equipments, facilities																					1			1	other equipments, facilities
temporary buildings, establishments				1	1	1			1	2			1									1		8	temporary buildings, establishments
hazards, harmful substances		1											2											3	hazards, harmful substances
materials																									materials
load																									load
natural environment								1		1			2						2					6	natural environment
other causal agent						1																		1	other causal agent
no causal agent					1		1			1			1	1	1		1	2						9	no causal agent

unclassifiable																									unclassifiable
total	1	3	2	5	2	4	4	3	4	7	2	2	6	3	1		2	3	1	3	1	2		61	total

Causal agents (small) of fatal accidents in other electrical equipment in 1999-2021

[illegible]

machines																									machines
leveling, transporting or loading machine																									leveling, transporting or loading machine
excavating machine																									excavating machine
foundation work machine																									foundation work machine
hardening machine																									hardening machine
demolition machine																									demolition machine
vehicle for high lift work																									vehicle for high lift work
other construction machines																									other construction machines
lathe																									lathe
drill press, milling machine																									drill press, milling machine
grinding machine, buffing machine																									grinding machine, buffing machine
power press																									power press
forging pressure hammer																									forging pressure hammer
shearing machine																									shearing machine
other metal manufacturing																									other metal manufacturing

[illegible]

[illegible]

[illegible]

[illegible]

inflammable substance																									inflammable substance
inflammable gas																									inflammable gas
harmful substance		1																						1	harmful substance
radiation																									radiation
other hazards, harmful substances												2												2	other hazards, harmful substances
metal material																									metal material
lumber, bamboo																									lumber, bamboo
stone, sand, substance																									stone, sand, substance
other materials																									other materials
load																									load
machine/equipment as load																									machine/equipment as load
natural ground, rock																									natural ground, rock
standing tree										1														1	standing tree
water												2												2	water
abnormal environment																									abnormal environment
high/cold temperature environment																			1					1	high/cold temperature environment

30-49		2		1	1		2			2	1			1			1							11	30-49
50-99					1	1	1		1															4	50-99
100-299								1		2			2				1	1	1	1				9	100-299
300 workers or more			1	1		2	1		1				1	2	1		1			1		1		13	300 workers or more
total	1	3	2	5	2	4	4	3	4	7	2	2	6	3	1		2	3	1	3	1	2		61	total

Month of fatal accidents in other electrical equipment in 1999-2021

Month	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Month
January	1			1				1			1													4	January
February									1	2				1	1					2				7	February
March		1			1			1		1		2	4						1					11	March
April				1			1							1				2						5	April
May		1				2			2	1			1											7	May
June							2		1															3	June
July				1				1					1							1		1		5	July
August				1						1	1													3	August
September			1				1										1							3	September
October			1	1						2								1			1			6	October
November		1				1								1										3	November
December					1	1											1					1		4	December
total	1	3	2	5	2	4	4	3	4	7	2	2	6	3	1		2	3	1	3	1	2		61	total

Prefecture of fatal accidents in other electrical equipment in 1999-2021

[illegible]

[illegible]

Kumamoto									1								1							2	Kumamoto
Oita									1															1	Oita
Miyazaki												1												1	Miyazaki
Kagoshima							1																	1	Kagoshima
Okinawa																									Okinawa
total	1	3	2	5	2	4	4	3	4	7	2	2	6	3	1		2	3	1	3	1	2		61	total

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

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