

Fatal and non-fatal accidents in electric utility service in Japan in 1999-2021

electric utility service industry Code No.011601

Type of accidents in electric utility service 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	13	9	10	11	13	9	15	9	16	10	10	8	9	17	10	11	18	8	11	12	9	10	15	263	fall from height
falling to same level	6	7	24	10	11	16	5	11	14	7	14	8	14	3	11	9	6	7	11	16	14	7	20	251	falling to same level
crash	4	1	4	4	4	3	3	2	2	2	1	4	2		3	3	7	2	2	1	1	5	1	61	crash
struck by flying or falling object	1		4	1		1	2	1	4	1	1	2		1	1		2	1		4	1	1		29	struck by flying or falling object
collapse		1	2			2		2		1			1		2				1			1	1	14	collapse
crashed by	4	1	1	2	3	1	3		1	1		3	3		1	4	1	1	2		1	1		34	crashed by
caught in/between	2	3	7	2	1	1	3	3	3	3	4		5	4	2	2	1	3	3	4	5	2	1	64	caught in/between
cut		1	2	1	1	2	2	1		2	1	1	1		2	2	2		1			1	1	24	cut
injury to the sole of the foot																			1			1		2	injury to the sole of the foot
drown								1					1		1									3	drown
contact to high/low-temperature	3	2	4	2	4	2		2	2	2	1	4	3	1	2	1	1	2	1	2	1	5	1	48	contact to high/low-temperature

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

machine																							machine
food manufacturing machine																							food manufacturing machine
printing machine																							printing machine
industrial robot																							industrial robot
other general power machines			1				1				1	1			1	1						6	other general power machines
felling machine																						1	felling machine
mobile logging machine																							mobile logging machine
skyline yarding machine																							skyline yarding machine
other mobile silviculture machine																							other mobile silviculture machine
crane																							crane
mobile crane								1				1	1								2	5	mobile crane
derrick crane																							derrick crane
elevator, lift																							elevator, lift
cargo lifting appliance																							cargo lifting appliance
gondola																							gondola
lumberyard equipment, logging cableway																							lumberyard equipment, logging cableway

facilities					5		1	1	2	2			2	2	2	1	1		1					20	facilities
scaffolding			1					2	1			1			1								1	7	scaffolding
timbering																									timbering
stairs, landing stage			6		6		4	5	8	3	2	5	2	4	3	6	5	5	3	2	2	4	4	79	stairs, landing stage
opening							1		1					1	1									4	opening
roof, beam, haze, crossbeam, principal rafter					3									1				1		1	1			7	roof, beam, haze, crossbeam, principal rafter
working platform, boot board			4		1		2	1	1	1			2				1		3	2				18	working platform, boot board
passage			5		6		3	5	9	4	12	4	3	4	4	7	4	6	5	7	7	3	11	109	passage
building, establishment			6		4		3	3	1	3	1	4	5	4	3	2	6	1	2	2	2	6	2	60	building, establishment
other temporary buildings, establishments			2		2		3	3		3	1	3	1		2	2			2	3	2			29	other temporary buildings, establishments
explosive substance																									explosive substance
inflammable substance																									inflammable substance
inflammable gas									1				3											4	inflammable gas
harmful substance												2										1		3	harmful substance
radiation																									radiation
other hazards, harmful substances																									other hazards, harmful substances

metal material			1					2	1			1	1									2		8	metal material
lumber, bamboo			1				1									1							1	4	lumber, bamboo
stone, sand, substance									1	1														2	stone, sand, substance
other materials							2							1		1		1					1	6	other materials
load							2	2	1	1		1			2		1	1		1	1			13	load
machine/equipment as load			1										1										1	4	machine/equipment as load
natural ground, rock			3		1		2	3		2	1		1		3	2	1	2	2		4	3	2	32	natural ground, rock
standing tree			2		1				1		1			3	3	2				5		1		20	standing tree
water								1					3		1									5	water
abnormal environment																							1	1	abnormal environment
high/cold temperature environment												1	1		1	1	1	2	1	1	1	3	1	14	high/cold temperature environment
other environments			5				3	2	2	1	1	2	5	1	1	2	3	2	1	4	6		5	46	other environments
other causal agent			3		1		4	1	6	1		1		1	1			2	2	2	1	25	71	122	other causal agent
no causal agent			8				2	6	3	4	3	3	3	2	2	3	2	4	5	2	2		7	61	no causal agent
unclassifiable			1		1				1								1						1	5	unclassifiable
total			79		69		63	53	70	46	38	43	53	48	45	41	45	40	50	60	44	68	126	1,081	total

Workers age of fatal and non-fatal accidents in electric utility service 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	3	1	1	1	1	1						1	3				1		1			2	1	17	19 years old or less
20-29	16	14	28	13	21	14	20	8	16	9	6	8	13	8	8	11	6	7	9	14	10	7	17	283	20-29
30-39	8	5	19	14	17	20	9	17	19	14	8	12	7	8	9	6	6	2	9	9	5	10	17	250	30-39
40-49	8	11	14	10	13	13	15	13	14	10	8	13	7	15	14	12	18	15	14	13	8	16	33	307	40-49
50-59	16	13	14	15	17	10	17	12	19	9	11	8	21	13	11	9	9	14	14	17	15	26	42	352	50-59
60 years old or more	2	1	3	1		1	2	3	2	4	5	1	2	4	3	3	5	2	3	7	6	7	16	83	60 years old or more
total	53	45	79	54	69	59	63	53	70	46	38	43	53	48	45	41	45	40	50	60	44	68	126	1,292	total

Workers' number of workplace of fatal and non-fatal accidents in electric utility service 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	3	3	7	2	4	1	7	2	3	3	2	1	3	3	2		6	6	2	7	6	5	6	84	9 workers or less
10-29	6	5	7	9	4	6	4	3	6	7	4	4	6	4	4	5	5	6	7	11	8	7	8	136	10-29
30-49	4	4	5	3	9	4	7	6	7	5	8	4	6	3	5	2	8	2	5	8	2	9	8	124	30-49
50-99	10	10	15	13	12	17	11	9	16	9	7	7	7	6	8	9	9	10	15	13	11	35	38	297	50-99
100-299	26	19	38	23	24	22	20	22	26	18	15	20	15	25	21	17	15	9	18	19	15	8	56	491	100-299
300 workers or more	4	4	7	4	16	9	14	11	12	4	2	7	16	7	5	8	2	7	3	2	2	4	10	160	300 workers or more
total	53	45	79	54	69	59	63	53	70	46	38	43	53	48	45	41	45	40	50	60	44	68	126	1,292	total

Month of fatal and non-fatal accidents in electric utility service 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	5	3	8	3	7	4	12	3	2	2	5	9	3	3	8	2	6	3	5	8	6	3	4	114	January
February	4	5	9	3	5	2	2	4	8	7	1	5	3	7	6	2	6	4	2	3	6	1	5	100	February
March	7	4	6	5	4	5	5	9	4	4	4	2	9	2	2	5	1	2	6	5	2	2	9	104	March
April	3	1	5	1	5	8	8	2	8	4	3	1	6	3	2	1	1	6	4	3	3	4	11	93	April
May	3	3	3	6	5	5	4	5	6	4		2	6		7	2	3	1	4	8	3	3	7	90	May
June	8	5	5	3	5	3	4	4	4	3	6	4	6	10	1	3	2	4	6	6	3	8	12	115	June
July	4	6	5	5	9	5	3	1	4	4	3	1	4	5	2	4	4		3	6	5	5	8	96	July
August	5	6	6	5	7	5	8	6	5	4	3	1	3	1	2	4	6	6	2	3	4	5	38	135	August
September	3	1	6	7	7	5	5	5	6	5	3	6	6	5	2	1	6	1	4	1	2	2	15	104	September
October	5	4	11	6	4	6	4	6	7	2	3	2	2	3	3	7	8	2	7	8	4	4	5	113	October
November	2	3	7	6	4	6	1	4	11	4	4	3	3	9	6	2	1	8	2	5	2	3	7	103	November
December	4	4	8	4	7	5	7	4	5	3	3	7	2		4	8	1	3	5	4	4	28	5	125	December
total	53	45	79	54	69	59	63	53	70	46	38	43	53	48	45	41	45	40	50	60	44	68	126	1,292	total

Prefecture of fatal and non-fatal accidents in electric utility service in 1999-2021

Prefecture	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Prefecture
Hokkaido	2	2	1		5		3	2	4	4	6	3	3	2	1	2	4	1	4	4	2	3	4	62	Hokkaido
Aomori	1						1	1	3					1	2	1	1			1	2	1	3	18	Aomori
Iwate			2									1		1					1	1			1	7	Iwate

Miyagi							1	3	3					3		2	3	1	1		1	1	5	24	Miyagi
Akita			2				2		1	1		1				1	1	2	2	1			1	15	Akita
Yamagata		2	1					1					1		1		1		1	1		2		11	Yamagata
Fukushima		1	6		4		3	4	3	3		1	7	4	3	4	5	4	3		3	2	9	69	Fukushima
Ibaraki	1	2	1		1				2	1	1		1	1	1	1			1	2	1			17	Ibaraki
Tochigi			1		2		1			1	1		1		1	1					1			10	Tochigi
Gunma		1	1				1	1	2	1	2	1	3		2		1	1		1				18	Gunma
Saitama	3	2	1				1	1	1	1	1		2		1	1						1	1	17	Saitama
Chiba			2		6		4	3	4		1		1		1	2	1	3	2	1	1			32	Chiba
Tokyo	2	2	8		2		1	2	1	1	1	3		3		1		2	2	2		3		36	Tokyo
Kanagawa	1	3	5		3			2	1	4	1	2	3	1	2		2	1	3	2	1	1	3	41	Kanagawa
Niigata		1	2		3			1	3	2	1	2	2		1				1	1	3	2	5	30	Niigata
Toyama	2	3	5		1		2	2		2		3		1	2	4		2		1	1	2	3	36	Toyama
Ishikawa	3	1	1					1	2		1									2	1	1	1	14	Ishikawa
Fukui			3		1		2				2		3	1		4		3		3	1			23	Fukui
Yamanashi					2		1	1	1										1					6	Yamanashi
Nagano			1					3	5		1		1	5	1	2	1		2	3	1	2	2	30	Nagano
Gifu	1				2		1			2		1		2	2	1		1	1	2	3	1	1	21	Gifu
Shizuoka	3	4	2		2			1	2	2	2	1	1	2	1	1	2	3	3	2	1	2	3	40	Shizuoka
Aichi	7	2	5		3		3	5	4	2	2	4	4	5	5	6	4	2	2	4		1	2	72	Aichi
Mie					7		1	1		1		3	1	2	1	1	3	2	2	1	1	1		28	Mie
Shiga								1				1			1						2			5	Shiga
Kyoto	3	1			2		2	1	1				2		1		1				1	1	3	19	Kyoto

Osaka	4	2	1		4		2	2	6	2	3	1	1	3	2		1	1	6	5	2	1	40	89	Osaka
Hyogo	5	1	3		3		5		4	2	1		1		2	1	1		2	2	3	1	13	50	Hyogo
Nara	1		2				1	1			2		1	1		2		1		2		1	1	16	Nara
Wakayama					2		1		1	1	1		1	2	2	1		1			1		1	15	Wakayama
Tottori		1	1						1				1			1	1						1	7	Tottori
Shimane			1					1				1					1	1						5	Shimane
Okayama					1				4	1									1				1	8	Okayama
Hiroshima	1	1	1		2		4	3	3		1	3	2	4					2	3	1	26	2	59	Hiroshima
Yamaguchi		1			1			2		2		2	3								1	1	2	15	Yamaguchi
Tokushima		1										1					1	2				1		6	Tokushima
Kagawa			1				1	1				1	1	1	3				1					10	Kagawa
Ehime	1		1				1			2	1	1		1	1		1						1	11	Ehime
Kochi		1	1		1		2		1				1				1	2		1				11	Kochi
Fukuoka	3	2	4		6		6	1	1	4	3		1		2		2	1	1	2	4	2	4	49	Fukuoka
Saga	1	1					1				1	1	1		2		1		1					10	Saga
Nagasaki		2	2		1		1	1	1		1				1				1	1	2	1	1	16	Nagasaki
Kumamoto	4		1				1			1			2	1		1		1		1		2	5	20	Kumamoto
Oita		1	2		1		1	1				1	1			1	2			3	1	1	1	17	Oita
Miyazaki	2	1	3				4			1					1		2	3		2	1	2	3	25	Miyazaki
Kagoshima		2	3				1	2	3	1	1	4							2	1	1	1	3	25	Kagoshima
Okinawa	2	1	2		1		1	1	2	1			1					1		1				14	Okinawa
total	53	45	79		69		63	53	70	46	38	43	53	48	45	41	45	40	50	60	44	68	126	1,179	total

injury to the sole of the foot																								injury to the sole of the foot	
drown							1					3												4	drown
contact to high/low-temperature																1								1	contact to high/low-temperature
contact to harmful substance																									contact to harmful substance
electric shock						1																		1	electric shock
explosion																									explosion
burst																									burst
fire																									fire
traffic accident (public road)	1	1																						2	traffic accident (public road)
traffic accident (others)																									traffic accident (others)
reaction to motion/improper motion															1									1	reaction to motion/improper motion
others											1	1												2	others
unclassifiable																	1							1	unclassifiable
total	1	2				1	3	1			2	5		2		1	1					2	1	22	total

no causal agent												1	1											3	no causal agent	
unclassifiable																								1	1	unclassifiable
total	1	2				1		3	1			2	5		2		1	1					2	1	22	total

Workers age of fatal accidents in electric utility service 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																										19 years old or less
20-29		2				1							2		1										6	20-29
30-39								1																	1	30-39
40-49	1														1			1							3	40-49
50-59								2	1			2	3				1						2	1	12	50-59
60 years old or more																										60 years old or more
total	1	2				1		3	1			2	5		2		1	1					2	1	22	total

Workers' number of workplace of fatal accidents in electric utility service 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		1													1										2	9 workers or less
10-29												1													1	10-29
30-49								1	1								1								3	30-49
50-99		1																					1	1	3	50-99

100-299	1					1		1				3		1						1		8	100-299		
300 workers or more								1				1	2										5	300 workers or more	
total	1	2				1		3	1			2	5		2		1	1				2	1	22	total

Month of fatal accidents in electric utility service 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		2	January	
February								1					1	1											3	February
March													3												3	March
April												1						1							2	April
May																							1	1	May	
June																										June
July	1																					1		2	July	
August									1								1								2	August
September								2																	2	September
October		1				1																			2	October
November																										November
December		1										1	1												3	December
total	1	2				1		3	1			2	5		2		1	1					2	1	22	total

Prefecture of fatal accidents in electric utility service in 1999-2021

Miyazaki																										Miyazaki	
Kagoshima																											Kagoshima
Okinawa																											Okinawa
total	1	2				1		3	1			2	5		2		1	1					2	1	22	total	

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

Return to https://www.jisha.or.jp/english/statistics/2021e_industry.html