

Fatal and non-fatal accidents in other electric/gas/water service in Japan in 1999-2021

other electric/gas/water service industry Code No.011609

Type of accidents in other electric/gas/water 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	1		1	1	4	1	1	3		3			1	1	1		1		2	1	3	3	2	30	fall from height	
falling to same level	1			2		1	1	1	1	2	1	2		1			5	1		1	2	2	2	26	falling to same level	
crash	1	1	1	1		1			1											1	1	1		9	crash	
struck by flying or falling object			1		1	1	1	2	1									2	2			2		13	struck by flying or falling object	
collapse													1							1				2	collapse	
crashed by										1										1				2	crashed by	
caught in/between	1	3	3	1	1	2	2	1	1		2	1	1	3		1		1	1	1	2		1	29	caught in/between	
cut		1		2		1		1	1		1	1		2	1	1				1				13	cut	
injury to the sole of the foot																										injury to the sole of the foot
drown																										drown
contact to high/low-temperature				1	1	1		2			2	1				1								9	contact to high/low-temperature	

construction machine																									construction machine	
metal manufacturing machine			2					1			1						1								5	metal manufacturing machine
general machine		2	1			1				1	1			1					1						8	general machine
mobile silviculture machine																										mobile silviculture machine
crane											1														1	crane
conveying machine	1	1	1		3	1	1	3	1					1		1			2	2					18	conveying machine
vehicle			1	2	2	1	1				1	1			2		1						2		14	vehicle
pressure vessel					1			2														1			4	pressure vessel
chemical facilities																										chemical facilities
welding equipment																										welding equipment
kiln, caldron						1		1																	2	kiln, caldron
electric equipment																										electric equipment
human power machine, tools				2										3	1		1		1		1				9	human power machine, tools

machine																									machine			
food manufacturing machine																									food manufacturing machine			
printing machine																									printing machine			
industrial robot																									industrial robot			
other general power machines										1	1														1	3	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																											crane	
mobile crane																											mobile crane	
derrick crane																											derrick crane	
elevator, lift																										1	1	elevator, lift
cargo lifting appliance																												cargo lifting appliance
gondola																												gondola
lumberyard equipment, logging																												lumberyard equipment, logging

gas welding equipment																							gas welding equipment
arc welding equipment																							arc welding equipment
other welding equipment																							other welding equipment
kiln, caldron																							kiln, caldron
industrial dryer																							industrial dryer
other kiln, caldron							1															1	other kiln, caldron
transmission																							transmission
electric power facilities																							electric power facilities
other electrical equipment																							other electrical equipment
human power cranes																	1					1	human power cranes
human power hauling equipment													1			1				1		3	human power hauling equipment
human power machine																							human power machine
hand tool													2	1								3	hand tool
ladder			1									1		1		1					1	5	ladder
slinging tool																							slinging tool
other tools							1		1										1			3	other tools

harmful substances											1										1			2	harmful substances	
metal material							1		1		1													4	metal material	
lumber, bamboo																								1	lumber, bamboo	
stone, sand, substance																									stone, sand, substance	
other materials							1				1					1								3	other materials	
load					1				1	1		1						1						7	load	
machine/equipment as load										1														1	machine/equipment as load	
natural ground, rock																									natural ground, rock	
standing tree						1																		1	standing tree	
water																									water	
abnormal environment																									abnormal environment	
high/cold temperature environment																									high/cold temperature environment	
other environments				1													1	1				1	1	1	7	other environments
other causal agent																									other causal agent	
no causal agent												1	1				1						1	5	no causal agent	
unclassifiable																									unclassifiable	
total			8		9		7	13	6	8	9	7	5	7	4	4	8	5	7	8	10	11	8	144	total	

Workers age of fatal and non-fatal accidents in other electric/gas/water 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		1	1																	1				3	19 years old or less
20-29	2	1	2	4		1		2	1	2		2		1	1		1			3		1		24	20-29
30-39	1		2	1	3	4	3	1	1		3		2	1			1	1		1	2	1		28	30-39
40-49	1	1		2	3	5	2	3	2	2	3	3	1	2	1		2	2	4	1	4	4	2	50	40-49
50-59	2	2	3	1	3	2	1	5	1	1	2	1	1	1	2	4	3	1	2	2	1	2	4	47	50-59
60 years old or more				3		1	1	2	1	3	1	1	1	2			1	1	1		3	3	2	27	60 years old or more
total	6	5	8	11	9	13	7	13	6	8	9	7	5	7	4	4	8	5	7	8	10	11	8	179	total

Workers' number of workplace of fatal and non-fatal accidents in other electric/gas/water 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		2	1	1	3	1	2	2	1	4	1					1	1	2	1		2	1		26	9 workers or less
10-29	3	2	4	4	2	4	1	7		2	2	3	2	3	1	2	2	3	2	6	4	2	3	64	10-29
30-49	1	1	1	3		1	1	2	3	2	4			1			1			1		1	1	24	30-49
50-99	2		2	1	4	2	2	1	2			3	1	1	1	1	1		2		1	4	3	34	50-99
100-299				1		3		1			2	1	2	2	2	1	2		1		1	1		20	100-299
300 workers or more				1		2	1										1	1			4	1		11	300 workers or more
total	6	5	8	11	9	13	7	13	6	8	9	7	5	7	4	4	8	5	7	8	10	11	8	179	total

Iwate																					1							1	Iwate						
Miyagi														1															1	Miyagi					
Akita																														Akita					
Yamagata					1																								1	Yamagata					
Fukushima	1		1		1								1			1	1		1		1								8	Fukushima					
Ibaraki												1																1	2	Ibaraki					
Tochigi																														Tochigi					
Gunma																														Gunma					
Saitama	1		1		1											2												2	10	Saitama					
Chiba					1																								2	Chiba					
Tokyo					1		1					1	1	1	1													2	1		1	1	11	Tokyo	
Kanagawa	1	1	1		1		1		1	1	2																		1		10	Kanagawa			
Niigata																														1	Niigata				
Toyama																															Toyama				
Ishikawa																														1	Ishikawa				
Fukui																															Fukui				
Yamanashi																															Yamanashi				
Nagano																															Nagano				
Gifu																															Gifu				
Shizuoka					1																								1		1		3	Shizuoka	
Aichi					1																										8	Aichi			
Mie																														1	Mie				
Shiga																														2		1		3	Shiga

no causal agent																							no causal agent
unclassifiable																							unclassifiable
total		1						2		1									2				6 total

Causal agents (small) of fatal accidents in other electric/gas/water service in 1999-2021

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	total	Causal (S) agents
engine																									engine
power transmission mechanism																									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

human power hauling equipment																							human power hauling equipment
human power machine																							human power machine
hand tool																							hand tool
ladder																							ladder
slinging tool																							slinging tool
other tools																							other tools
other equipment, facilities																							other equipment, facilities
scaffolding																							scaffolding
timbering																							timbering
stairs, landing stage																		1					1 stairs, landing stage
opening																							opening
roof, beam, haze, crossbeam, principal rafter																							roof, beam, haze, crossbeam, principal rafter
working platform, boot board																							working platform, boot board
passage																							passage
building, establishment										1													1 building, establishment
other temporary buildings,																							other temporary buildings,

9 workers or less											1														1								2	9 workers or less		
10-29		1								2																									3	10-29
30-49																																	30-49			
50-99																																50-99				
100-299																											1								1	100-299
300 workers or more																																300 workers or more				
total		1								2																	2								6	total

Month of fatal accidents in other electric/gas/water 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																										January
February																										February
March																										March
April								2											1						3	April
May																										May
June																										June
July																										July
August																										August
September																										September
October		1									1								1						3	October
November																										November

Fukui																								Fukui	
Yamanashi																									Yamanashi
Nagano																									Nagano
Gifu																									Gifu
Shizuoka																									Shizuoka
Aichi																									Aichi
Mie																									Mie
Shiga																									Shiga
Kyoto																									Kyoto
Osaka																									Osaka
Hyogo							2																2		Hyogo
Nara																									Nara
Wakayama																									Wakayama
Tottori																									Tottori
Shimane																									Shimane
Okayama																									Okayama
Hiroshima																									Hiroshima
Yamaguchi																									Yamaguchi
Tokushima																									Tokushima
Kagawa																									Kagawa
Ehime																									Ehime
Kochi																									Kochi
Fukuoka		1																1					2		Fukuoka

Saga																								Saga						
Nagasaki																									Nagasaki					
Kumamoto																									Kumamoto					
Oita																									Oita					
Miyazaki																									Miyazaki					
Kagoshima																									Kagoshima					
Okinawa																									Okinawa					
total		1						2		1														2					6	total

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

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