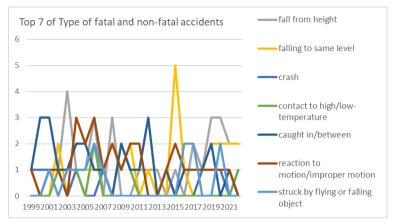
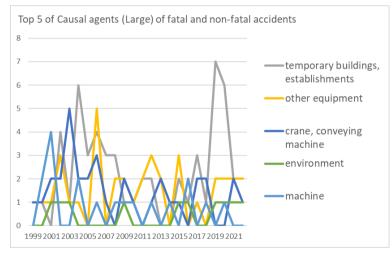
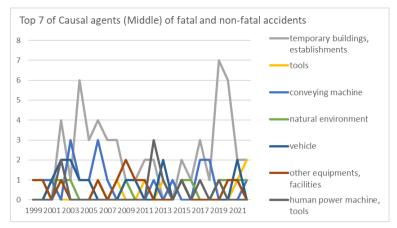
Transition of fatal and non-fatal accidents in 011609 other electric/gas/water service in Japan (1999-2022)



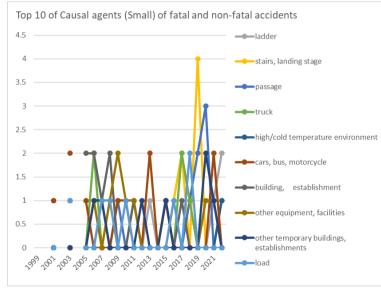
Transition of Top 7 of Type of fatal and non-fatal accidents in 011609 other electric/gas/water service in Japan (1999-2022)



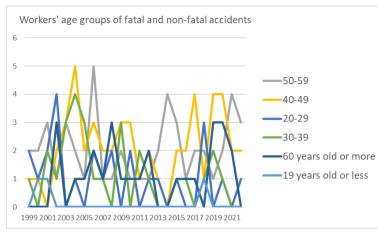
Transition of Top 5 of Causal agents (Large) of fatal and non-fatal accidents in 011609 other electric/gas/water service in Japan (1999-2022)



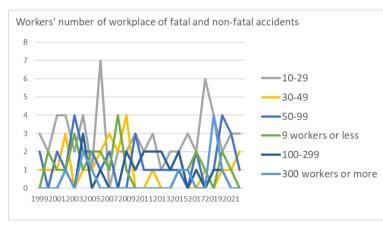
Transition of Top 7 of Causal agents (Middle) of fatal and non-fatal accidents in 011609 other electric/gas/water service in Japan (1999-2022)



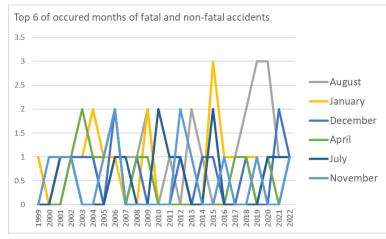
Transition of Top 10 of Causal agents (Small) of fatal and non-fatal accidents in 011609 other electric/gas/water service in Japan (1999-2022)



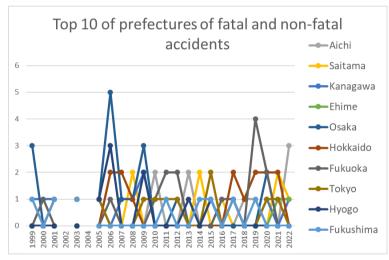
Transition of workers' age groups of fatal and non-fatal accidents in 011609 other electric/gas/water service in Japan (1999-2022)



Transition of workers' number of workplace of fatal and non-fatal accidents in 011609 other electric/gas/water service in Japan (1999-2022)



Transition of Top 6 of occured months of fatal and non-fatal accidents in 011609 other electric/gas/water service in Japan (1999-2022)



Transition of Top 10 of prefectures of fatal and non-fatal accidents in 011609 other electric/gas/water service in Japan (1999-2022)

Transition of Type of fatal and non-fatal accidents in 011609 other electric/gas/water service in Japan (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	Type of accidents
fall from height	1		1	1	4	1	1	3		3			1	1	1		1		2	1	3	3	2	2	32	fall from height
falling to same level	1			2		1	1	1	1	2	1	2		1			5	1		1	2	2	2	2	28	falling to same level
]																										

crash	1	1	1	1		1			1											1	1	1		1	10	crash
contact to high/low- temperature				1	1	1		2			2	1				1								1	10	contact to high/low- temperature
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
reaction to motion/improper motion	1		1	1		3	2	3	1	2	1	2	2			1	2	1	1	1	1	1	1		28	reaction to motion/improper motion
struck by flying or falling object			1		1	1	1	2	1									2	2			2			13	struck by flying or falling object
cut		1		2		1		1	1		1	1		2	1	1				1					13	cut
traffic accident (public road)			1	2	2	1					1				2				1				2		12	traffic accident (public road)
collapse													1							1					2	collapse
crashed by										1										1					2	crashed by
contact to harmful substance																					1	1			2	contact to harmful substance
others											1											1			2	others
electric shock	1																								1	electric shock
explosion						1																			1	explosion
injury to the sole of the foot																										injury to the sole of the foot
drown																										drown

burst																										burst
fire																										fire
traffic accident																										traffic accident
(others)																										(others)
unclassifiable																										unclassifiable
total	6	5	8	11	9	13	7	13	6	8	9	7	5	7	4	4	8	5	7	8	10	11	8	6	185	total

Transition of Causal agents (Large) of fatal and non-fatal accidents in 011609 other electric/gas/water service in Japan (1999-2022)

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	2022	total	Causal (L) agents
temporary buildings, establishments	1	1		4	1	6	3	4	3	3	1	1	2	2			2	1	3	1	7	6	2	2	56	temporary buildings, establishments
other equipment	1	1	1	3	1	1		5		2	2	1	2	3	2		3		1		2	2	2	2	37	other equipment
crane, conveying machine	1	1	2	2	5	2	2	3	1		2	1		1	2	1	1		2	2			2	1		crane, conveying machine
environment			1	1	1						1						1	1			1	1	1	1	10	environment
machine		2	4			2		1		1	1	1		1		1		2		1		1			18	machine
substance, material	1					1	2		1		2	1				2			1	1		1			13	substance, material
load	1				1				1	2		1						1		2					9	load
others	1			1		1						1	1				1			1			1		8	others
total	6	5	8	11	9	13	7	13	6	8	9	7	5	7	4	4	8	5	7	8	10	11	8	6	185	total

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	2022	total	Causal (M) agents
temporary buildings, establishments	1	1		4	1	6	3	4	3	3	1	1	2	2			2	1	3	1	7	6	2	2	56	temporary buildings, establishments
tools			1					1		1			1		1		1				1		1	2	10	tools
conveying machine	1	1	1		3	1	1	3	1					1		1			2	2				1	19	conveying machine
natural environment			1	1	1						1						1	1			1	1	1	1	10	natural environment
vehicle			1	2	2	1	1				1	1			2		1						2		14	vehicle
other equipments, facilities	1	1		1				1		1	2	1	1				1					1	1		12	other equipments, facilities
human power machine, tools				2										3	1		1		1		1				9	human power machine, tools
materials	1						2		1		2					1			1	1					9	materials
load	1				1				1	2		1						1		2					9	load
general machine		2	1			1				1	1			1						1					8	general machine
no causal agent	1			1		1						1	1				1			1			1		8	no causal agent
																										metal

Transition of Causal agents (Middle) of fatal and non-fatal accidents in 011609 other electric/gas/water service in Japan (1999-2022)

metal manufacturing machine		2			1			1			1				5	manufacturing
pressure vessel			1		2								1		4	pressure vessel
hazards, harmful substances				1				1		1			1		4	hazards, harmful substances
power transmission mechanism		1								1	1				3	power transmission mechanism
woodworking machine				1									1		2	woodworking machine
kiln, caldron				1	1										2	kiln, caldron
crane							1								1	crane
engine																engine
construction machine																construction machine
mobile silviculture machine																mobile silviculture machine
chemical facilities																chemical facilities
welding equipment																welding equipment
electric equipment																electric equipment

other causal agent																										other causal agent
unclassifiable																										unclassifiable
total	6	5	8	11	9	13	7	13	6	8	9	7	5	7	4	4	8	5	7	8	10	11	8	6	185	total

Transition of Causal agents (Small) of fatal and non-fatal accidents in 011609 other electric/gas/water service in Japan (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	Causal (S) agents
ladder			1										1		1		1						1	2	7	ladder
stairs, landing stage							1	1		1			1					1	2		4			1	12	stairs, landing stage
passage									1		1									1	2	3		1	9	passage
truck			1		1			2											2	1				1	8	truck
high/cold																										high/cold
temperature																								1	1	temperature
environment																										environment
cars, bus,			1		2		1				1	1			2		1						2		11	cars, bus,
motorcycle					2		•								2		•						2			motorcycle
building,					1		2	2	1	2			1				1		1						11	building,
establishment							2	2	•	2			•				•									establishment
other equipment,								1		1	2	1	1				1					1	1		9	other equipment,
facilities								•		•	2		•				•									facilities
other temporary																										other temporary
buildings,								1	1					1			1					2	1		7	buildings,
establishments																										establishments
load					1				1	1		1						1		2					7	load

other environments		1						1						1	1			1	1	1	7	other environments
conveyor			1	1							1		1				1				5	conveyor
no causal agent									1	1				1			1			1	5	no causal agent
grinding machine, buffing machine		1			1				1						1						4	grinding machine, buffing machine
metal material				1		1		1								1					4	metal material
power transmission mechanism		1											1		1						3	power transmission mechanism
other general power machines							1	1									1				3	other general power machines
boiler			1		2																3	boiler
human power hauling equipment											1			1				1			3	human power hauling equipment
hand tool											2	1									3	hand tool
other tools					1		1											1			3	other tools
working platform, boot board									1									1		1	3	working platform, boot board
other materials				1				1					1								3	other materials
mixer, grinder		1									1										2	mixer, grinder
other powered conveying machines					1	1															2	other powered conveying machines
opening											1								1		2	opening
other hazards, harmful substances									1										1		2	other hazards, harmful substances

chain saw														1		1	chain saw
other metal manufacturing machines		1														1	other metal manufacturing machines
elevator, lift							1									1	elevator, lift
forklift			1													1	forklift
other pressure vessels														1		1	other pressure vessels
other kiln, caldron					1											1	other kiln, caldron
human power cranes												1				1	human power cranes
inflammable gas										1						1	inflammable gas
lumber, bamboo													1			1	lumber, bamboo
machine/equipment as load						1										1	machine/equipment as load
standing tree			1													1	standing tree
engine																	engine
circular sawing machine																	circular sawing machine
band sawing machine																	band sawing machine
wood planer machine																	wood planer machine
hollow chisel mortiser, wood																	hollow chisel mortiser, wood

borer	borer
chamfering	chamfering
machine, router,	machine, router,
woodworking	woodworking
milling machine	milling machine
other woodworking	other woodworking
machines	machines
leveling,	leveling,
transporting or	transporting or
loading machine	loading machine
excavating machine	excavating machine
foundation work	foundation work
machine	machine
hardening machine	hardening machine
demolition machine	demolition machine
vehicle for high lift	vehicle for high lift
work	work
other construction	other construction
machines	machines
lathe	lathe
drill press, milling	drill press, milling
machine	machine
power press	power press
forging pressure	forging pressure
hammer	hammer

shearing machine											shearing machine
centrifugal machine											centrifugal machine
roll machine (except printingroll machine)											roll machine (except printingroll machine)
injection molding machine											injection molding machine
food manufacturing machine											food manufacturing machine
printing machine											printing machine
industrial robot											industrial robot
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
cargo lifting appliance											cargo lifting appliance
gondola											gondola

lumberyard												lumberyard
equipment, logging												equipment, logging
cableway												cableway
simple skyline												simple skyline
yarding equipment												yarding equipment
other powered												other powered
crane												crane
railway equipment												railway equipment
oader												loader
straddle carrier												straddle carrier
ough terrain hauler												rough terrain hauler
ailway vehicle												railway vehicle
other vehicles												other vehicles
pressure vessel												pressure vessel
chemical facilities												chemical facilities
gas welding												gas welding
equipment												equipment
arc welding												arc welding
equipment												equipment
other welding												other welding
equipment												equipment
kiln, caldron												kiln, caldron
ndustrial dryer												industrial dryer
transmission												transmission

electric power	electric power
facilities	facilities
other electrical	other electrical
equipment	equipment
human power	human power
machine	machine
slinging tool	slinging tool
scaffolding	scaffolding
timbering	timbering
roof, beam, haze,	roof, beam, haze,
crossbeam,	crossbeam,
principal rafter	principal rafter
explosive substance	explosive substan
inflammable	inflammable
substance	substance
harmful substance	harmful substance
radiation	radiation
stone, sand,	stone, sand,
substance	substance
natural ground,	natural ground,
rock	rock
water	water
abnormal	abnormal
environment	environment
other causal agent	other causal agen

unclassifiable																										unclassifiable
total	6	5	8	11	9	13	7	13	6	8	9	7	5	7	4	4	8	5	7	8	10	11	8	6	185	total

Transition of workers' age groups of fatal and non-fatal accidents in 011609 other electric/gas/water service in Japan (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	Age
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	3	50	50-59
40-49	1	1		2	3	5	2	3	2	2	3	3	1	2	1		2	2	4	1	4	4	2	2	52	40-49
20-29	2	1	2	4		1		2	1	2		2		1	1		1			3		1		1	25	20-29
30-39	1		2	1	3	4	3	1	1		3		2	1			1	1		1	2	1			28	30-39
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
19 years old or less		1	1																	1					3	19 years old or less
total	6	5	8	11	9	13	7	13	6	8	9	7	5	7	4	4	8	5	7	8	10	11	8	6	185	total

Transition of workers' number of workplace of fatal and non-fatal accidents in 011609 other electric/gas/water service in Japan (1999-2022)

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	2022	total	Workers scale
10-29	3	2	4	4	2	4	1	7		2	2	3	2	3	1	2	2	3	2	6	4	2	3	3	67	10-29
30-49	1	1	1	3		1	1	2	3	2	4			1			1			1		1	1	2	26	30-49
50-99	2		2	1	4	2	2	1	2			3	1	1	1	1	1		2		1	4	3	1	35	50-99
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
100-299				1		3		1			2	1	2	2	2	1	2		1		1	1			20	100-299
300 workers or				1		2	1										1	1			Д	1			11	300 workers or
more				<u> </u>			<u> </u>										<u> </u>					Ľ				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	6	185	total

Month	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	Month
August	1			1	1	1		1	1	1	2		1		2	1		1	1	2	3	3	1	1	25	August
January	1		1	1	1	2	1	1			2						3	1	1	1	1			1	18	January
December			1	1	1	1		2		1				1		1	1			1			2	1	14	December
April				1	2	1	1	2		1	1								1	1		1		1	13	April
July			1	1				1	1			2	1	1			2					1	1	1	13	July
November		1	1	1			1	2						2	1			1			1			1	12	November
March	2	1		3	1	1	1		2		2		1				1			1		2	1		19	March
October	1	1		1	1	2	1			4		2		1		1			1			1	1		18	October
May		2	1			3		2	1		1	1	1				1				1	1			15	May
June	1		1			1	1					1		1				1	2		3		1		13	June
September			1			1	1	1	1		1	1		1		1		1		1	1		1		13	September
February			1	1	2			1		1			1		1				1	1		2			12	February
total	6	5	8	11	9	13	7	13	6	8	9	7	5	7	4	4	8	5	7	8	10	11	8	6	185	total

Transition of occured months of fatal and non-fatal accidents in 011609 other electric/gas/water service in Japan (1999-2022)

Transition of prefectures of fatal and non-fatal accidents in 011609 other electric/gas/water service in Japan (1999-2022)

Prefecture	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	Prefecture
Aichi			1									2			2		1			1	1			3	11	Aichi
Saitama	1		1		1					2						2		1					2	1	11	Saitama
Kanagawa	1	1	1		1		1		1	1	2											1		1	11	Kanagawa
Ehime																							1	1	2	Ehime
Osaka	3				1		1	5	1	1	3			1			1					2			19	Osaka

	<u> </u>			<u> </u>	<u> </u>	<u> </u>			<u> </u>		L		<u> </u>	<u> </u>				L	<u> </u>	<u> </u>		<u> </u>	<u> </u>	_	
Hokkaido			1		1			2	2	1									2	1	2	2	2	16	Hokkaido
Fukuoka		1						1				1	2	2				1	1		4	2		15	Fukuoka
Tokyo					1		1				1	1	1	1			2		1			1	1	11	Tokyo
Нуодо							1	3			2				1		1		1					9	Нуодо
Fukushima	1		1		1								1			1	1		1		1			8	Fukushima
Kyoto					1		1	1		1		1					1							6	Kyoto
Yamaguchi												1		2						1	1			5	Yamaguchi
Hiroshima																1		2				1		4	Hiroshima
Kagoshima									1					1						2				4	Kagoshima
Shizuoka			1																1			1		3	Shizuoka
Shiga		2					1																	3	Shiga
Wakayama																					1	1	1	3	Wakayama
Okayama										1										2				3	Okayama
Ibaraki												1											1	2	Ibaraki
Chiba					1													1						2	Chiba
Nagasaki										1			1											2	Nagasaki
Kumamoto			1								1													2	Kumamoto
Miyazaki			1				1																	2	Miyazaki
lwate																				1				1	lwate
Miyagi															1									1	Miyagi
Yamagata					1																			1	Yamagata
Niigata																	1							1	Niigata
Ishikawa		1																						1	Ishikawa

Mie									1																1	Mie
Shimane								1																	1	Shimane
Aomori																										Aomori
Akita																										Akita
Tochigi																										Tochigi
Gunma																										Gunma
Toyama																										Toyama
Fukui																										Fukui
Yamanashi																										Yamanashi
Nagano																										Nagano
Gifu																										Gifu
Nara																										Nara
Tottori																										Tottori
Tokushima																										Tokushima
Kagawa																										Kagawa
Kochi																										Kochi
Saga																										Saga
Oita																										Oita
Okinawa																										Okinawa
total	6	5	8	11	9	13	7	13	6	8	9	7	5	7	4	4	8	5	7	8	10	11	8	6	185	total

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