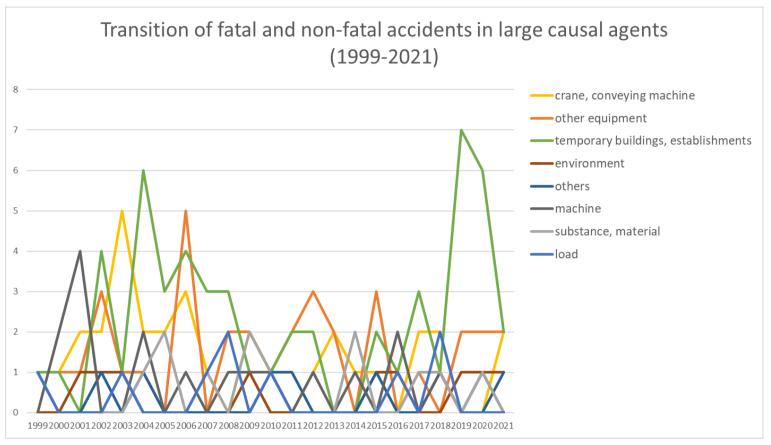
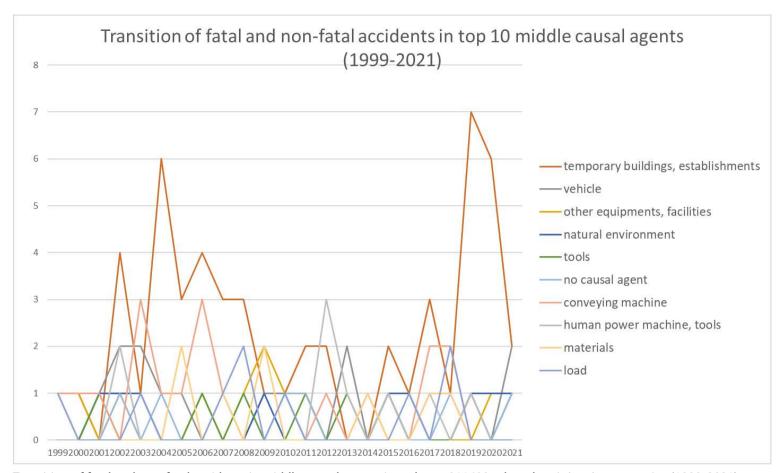
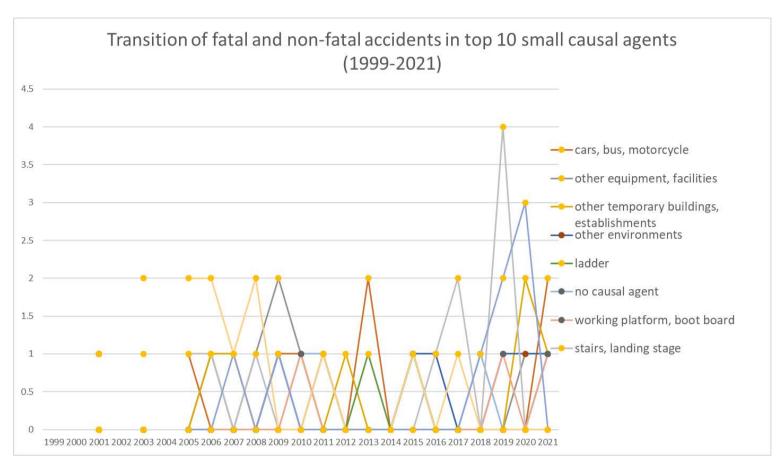
Transition of fatal and non-fatal accidents in each element like as causal agents, type of accidents, etc. in code no. 011609 other electric/gas/water service (1999-2021)



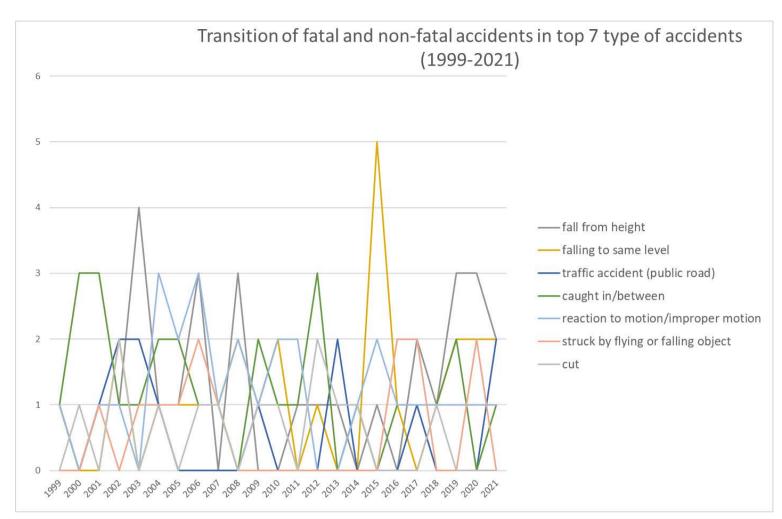
Transition of fatal and non-fatal accidents in large causal agents in code no. 011609 other electric/gas/water service (1999-2021)



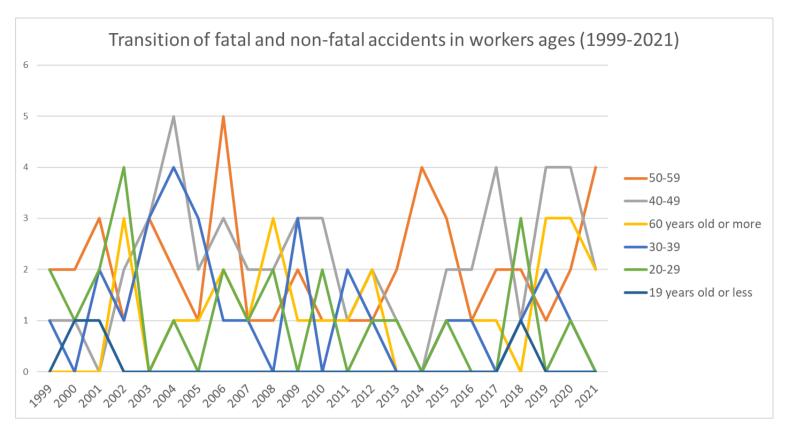
Transition of fatal and non-fatal accidents in middle causal agents in code no. 011609 other electric/gas/water service (1999-2021)



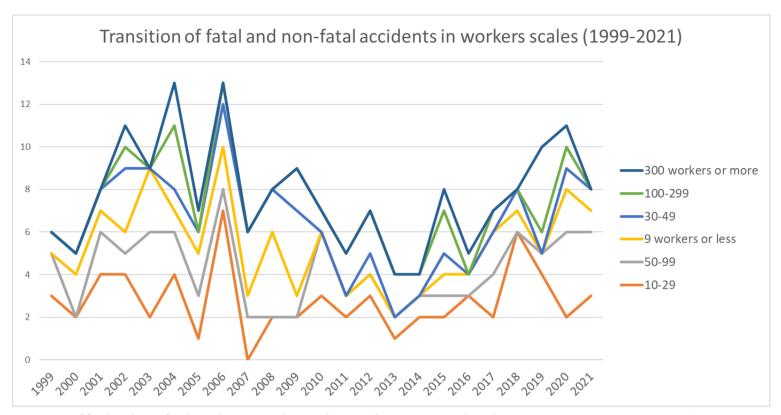
Transition of fatal and non-fatal accidents in small causal agents in code no. 011609 other electric/gas/water service (1999-2021)



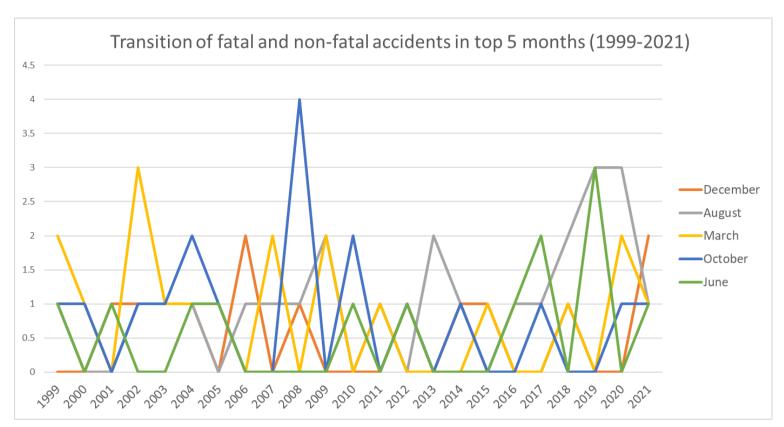
Transition of fatal and non-fatal accidents in type of accidents in code no. 011609 other electric/gas/water service (1999-2021)



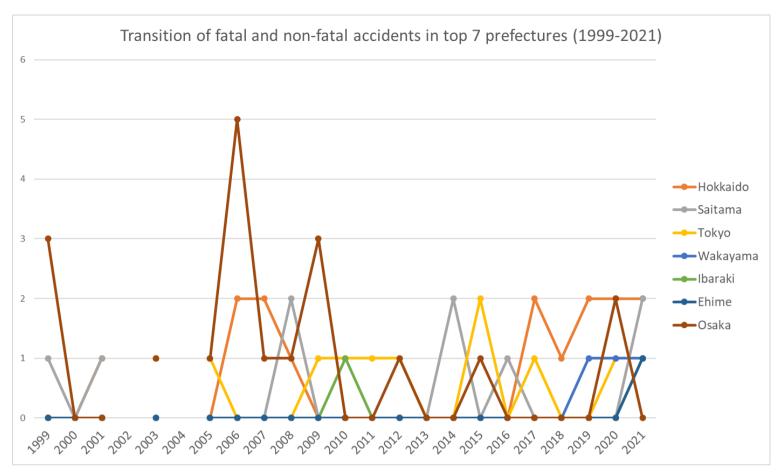
Transition of fatal and non-fatal accidents in workers ages in code no. 011609 other electric/gas/water service (1999-2021)



Transition of fatal and non-fatal accidents in workers scales in code no. 011609 other electric/gas/water service (1999-2021)



Transition of fatal and non-fatal accidents in months in code no. 011609 other electric/gas/water service (1999-2021)



Transition of fatal and non-fatal accidents in prefectures in code no. 011609 other electric/gas/water service (1999-2021)

Transition of fatal and non-fatal accidents in large causal agents in code no. 011609 other electric/gas/water service (1999-2021)

code	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
2	crane, conveying machine	1	1	2	2	5	2	2	3	1		2	1		1	2	1	1		2	2			2	33	crane, conveying machine
3	other equipment	1	1	1	3	1	1		5		2	2	1	2	3	2		3		1		2	2	2	35	other equipment

4	temporary buildings, establishments	1	1		4	1	6	3	4	3	3	1	1	2	2			2	1	3	1	7	6	2	54	temporary buildings, establishments
7	environment			1	1	1						1						1	1			1	1	1	9	environment
9	others	1			1		1						1	1				1			1			1	8	others
1	machine		2	4			2		1		1	1	1		1		1		2		1		1		18	machine
5	substance, material	1					1	2		1		2	1				2			1	1		1		13	substance, material
6	load	1				1				1	2		1						1		2				9	load
	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

Transition of fatal and non-fatal accidents in middle causal agents in code no. 011609 other electric/gas/water service (1999-2021)

code	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)
41	temporary buildings, establishments	1	1		4	1	6	3	4	3	3	1	1	2	2			2	1	3	1	7	6	2	54	temporary buildings, establishments
23	vehicle			1	2	2	1	1				1	1			2		1						2	14	vehicle
39	other equipments,	1	1		1				1		1	2	1	1				1					1	1	12	other equipments, facilities
71	natural environment			1	1	1						1						1	1			1	1	1	9	natural environment
37	tools			1					1		1			1		1		1				1		1	8	tools
																										no causal

92	no causal agent	1			1		1						1	1				1			1			1	8	agent
22	conveying machine	1	1	1		3	1	1	3	1					1		1			2	2				∥18	conveying machine
36	human power machine,				2										3	1		1		1		1			9	human power
52	materials	1						2		1		2					1			1	1				9	materials
61	load	1				1				1	2		1						1		2				9	load
16	general machine		2	1			1				1	1			1						1				8	general machine
15	metal manufacturing machine			2					1				1						1						5	metal manufacturing machine
31	pressure vessel					1			2														1		4	pressure vessel
51	hazards, harmful substances						1						1				1						1			hazards, harmful substances
12	power transmission mechanism			1													1		1						3	power transmission mechanism
13	woodworking machine						1																1		2	woodworking machine
34	kiln, caldron						1		1																2	kiln, caldron
21	crane											1													1	crane
11	engine																									engine

14	construction machine																									construction
	construction machine																									machine
																										mobile
17	mobile silviculture																									silviculture
	machine																									machine
22																										chemical
32	chemical facilities																									facilities
22																										welding
33	welding equipment																									equipment
35	alastria a suin mant																									electric
33	electric equipment																									equipment
01	ath an accord a new																									other causal
91	other causal agent																									agent
99	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	179	total

Transition of fatal and non-fatal accidents in small causal agents in code no. 011609 other electric/gas/water service (1999-2021)

code	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
231	cars, bus, motorcycle			1		2		1				1	1			2		1						2	11	cars, bus, motorcycle
391	other equipment,								1		1	2	1	1				1					1	1	9	other equipment,
419	other temporary buildings, establishments								1	1					1			1					2	1	7	other temporary buildings, establishments

719	other environments		1						1						1	1			1	1	1	7	other environments
371	ladder		1								1		1		1						1	5	ladder
921	no causal agent									1	1				1			1			1	5	no causal agent
416	working platform, boot board									1									1		1	3	working platform, boot board
413	stairs, landing stage				1	1		1			1					1	2		4			11	stairs, landing stage
418	building, establishment			1	2	2	1	2			1				1		1					11	building, establishment
417	passage						1		1									1	2	3		8	passage
221	truck		1	1		2											2	1				7	truck
611	load			1			1	1		1						1		2				7	load
224	conveyor			1	1							1		1				1				5	conveyor
153	grinding machine, buffing machine		1			1				1						1						4	grinding machine, buffing machine
521	metal material				1		1		1								1					4	metal material
121	power transmission mechanism		1											1		1						3	power transmission mechanism
169	other general power machines							1	1									1				3	other general power machines
311	boiler			1		2																3	boiler
362	human power hauling equipment											1			1				1			3	human power hauling equipment
364	hand tool											2	1									3	hand tool
379	other tools					1		1											1			3	other tools

529	other materials				1				1			1					3	other materials
162	mixer, grinder		1								1						2	mixer, grinder
229	other powered conveying machines					1	1										2	other powered conveying machines
414	opening										1					1	2	opening
519	other hazards, harmful substances									1						1	2	other hazards, harmful substances
136	chain saw															1	1	chain saw
	other metal																	other metal
159	manufacturing		1														1	manufacturing
	machines																	machines
214	elevator, lift								1								1	elevator, lift
222	forklift			1													1	forklift
319	other pressure vessels															1	1	other pressure vessels
349	other kiln, caldron					1											1	other kiln, caldron
361	human power cranes													1			1	human power cranes
513	inflammable gas											1					1	inflammable gas
522	lumber, bamboo														1		1	lumber, bamboo
612	machine/equipment as load							1									1	machine/equipment as load
712	standing tree			1													1	standing tree
111	engine																	engine

131	circular sawing												circular sawing
	machine												machine
132	band sawing												band sawing
132	machine												machine
133	wood planer												wood planer
133	machine												machine
	hollow chisel												hollow chisel
134	mortiser, wood												mortiser, wood
	borer												borer
	chamfering												chamfering
135	machine, router,												machine, router,
133	woodworking												woodworking
	milling machine												milling machine
139	other woodworking												other woodworking
139	machines												machines
	leveling,												leveling,
141	transporting or												transporting or
	loading machine												loading machine
142	excavating machine												excavating machine
143	foundation work												foundation work
143	machine												machine
144	hardening machine												hardening machine
145	demolition machine												demolition machine
1.46	vehicle for high lift												vehicle for high lift
146	work												work

149	other construction	other construction
	machines	machines
151	lathe	lathe
152	drill press, milling	drill press, milling
132	machine	machine
154	power press	power press
155	forging pressure	forging pressure
	hammer	hammer
156	shearing machine	shearing machine
161	centrifugal machine centrifugal machine	centrifugal machine
	roll machine (except	roll machine (except
163	printingroll	printingroll
	machine)	machine)
164	injection molding	injection molding
	machine	machine
165	food manufacturing	food manufacturing
	machine	machine
166	printing machine printing machine	printing machine
167	industrial robot	industrial robot
171	felling machine	felling machine
172	mobile logging	mobile logging
	machine	machine
173	skyline yarding	skyline yarding
	machine	machine
	other mobile	other mobile

179	silviculture machine	silviculture machine
211	crane	crane
212	mobile crane	mobile crane
213	derrick crane	derrick crane
215	cargo lifting appliance	cargo lifting appliance
216	gondola	gondola
217	lumberyard	lumberyard
217	equipment, logging cableway	equipment, logging cableway
218	simple skyline yarding equipment	simple skyline yarding equipment
219	other powered crane	other powered crane
223	railway equipment	railway equipment
225	loader	loader
226	straddle carrier	straddle carrier
227	rough terrain hauler	rough terrain hauler
232	railway vehicle	railway vehicle
239	other vehicles	other vehicles
312	pressure vessel	pressure vessel
321	chemical facilities	chemical facilities
331	gas welding equipment	gas welding equipment

332	arc welding equipment												arc welding equipment
339	other welding equipment												other welding equipment
341	kiln, caldron												kiln, caldron
342	industrial dryer												industrial dryer
351	transmission												transmission
352	electric power facilities												electric power
359	other electrical equipment												other electrical equipment
363	human power machine												human power
372	slinging tool												slinging tool
411	scaffolding												scaffolding
412	timbering												timbering
415	roof, beam, haze, crossbeam, principal rafter												roof, beam, haze, crossbeam, principal rafter
511	explosive substance												explosive substance
512	inflammable substance												inflammable substance
514	harmful substance												harmful substance
515	radiation												radiation

523	stone, sand,																						stone, sand,
323	substance																						substance
711	natural ground,																						natural ground,
/11	rock																						rock
713	water																						water
71.4	abnormal																						abnormal
714	environment																						environment
	high/cold																						high/cold
715	temperature																						temperature
	environment																						environment
911	other causal agent																						other causal agent
999	unclassifiable																						unclassifiable
	total		8	9	7	13	6	8	9	7	5	7	4	4	8	5	7	8	10	11	8	144	total

Transition of fatal and non-fatal accidents in type of accidents in code no. 011609 other electric/gas/water service (1999-2021)

code	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
01	fall from height	1		1	1	4	1	1	3		3			1	1	1		1		2	1	3	3	2	30	fall from height
02	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
17	traffic accident (public road)			1	2	2	1					1				2				1				2	12	traffic accident (public road)
07	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
19	reaction to motion/improper	1		1	1		3	2	3	1	2	1	2	2			1	2	1	1	1	1	1	1		reaction to motion/improper

	motion																							motion
04	struck by flying or falling object			1		1	1	1	2	1								2	2			2	13	struck by flying
08	cut		1		2		1		1	1		1	1		2	1	1			1			13	cut
03	crash	1	1	1	1		1			1										1	1	1	9	crash
11	contact to high/low- temperature				1	1	1		2			2	1				1						9	contact to high/low- temperature
05	collapse													1						1			2	collapse
06	crashed by										1									1			2	crashed by
12	contact to harmful substance																				1	1	2	contact to harmful substance
90	others											1										1	2	others
13	electric shock	1																					1	electric shock
14	explosion						1																1	explosion
09	injury to the sole of the foot																							injury to the so
10	drown																							drown
15	burst																							burst
16	fire																							fire
18	traffic accident (others)																							traffic accident (others)
99	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	179 t	total	
- 11		ll ll	ll l	ll ll	ll l			d '	II	II .	II	II	II .	II	II	ll l		II	II	11 '	II	II		ll .			

Transition of fatal and non-fatal accidents in workers ages in code no. 011609 other electric/gas/water service (1999-2021)

code	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
5	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
4	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
6	60 years old or				3		1	1	2	1	3	1	1	1	2			1	1	1		3	3	2	27	60 years old or
	more																									more
3	30-39	1		2	1	3	4	3	1	1		3		2	1			1	1		1	2	1		28	30-39
2	20-29	2	1	2	4		1		2	1	2		2		1	1		1			3		1		24	20-29
1	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	179	total

Transition of fatal and non-fatal accidents in workers scales in code no. 011609 other electric/gas/water service (1999-2021)

code	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
2	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
4	50-99	2		2	1	4	2	2	1	2			3	1	1	1	1	1		2		1	4	3	34	50-99
1	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
3	30-49	1	1	1	3		1	1	2	3	2	4			1			1			1		1	1	24	30-49
5	100-299				1		3		1			2	1	2	2	2	1	2		1		1	1		20	100-299
6	300 workers or				1		2	1										1	1			4	1		11	300 workers or
	more							<u> </u>																		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

Transition of fatal and non-fatal accidents in months in code no. 011609 other electric/gas/water service (1999-2021)

code	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
12	December			1	1	1	1		2		1				1		1	1			1			2	13	December
8	August	1			1	1	1		1	1	1	2		1		2	1		1	1	2	3	3	1	24	August
3	March	2	1		3	1	1	1		2		2		1				1			1		2	1	19	March
10	October	1	1		1	1	2	1			4		2		1		1			1			1	1	18	October
6	June	1		1			1	1					1		1				1	2		3		1	13	June
9	September			1			1	1	1	1		1	1		1		1		1		1	1		1	13	September
7	July			1	1				1	1			2	1	1			2					1	1	12	July
1	January	1		1	1	1	2	1	1			2						3	1	1	1	1			17	January
5	May		2	1			3		2	1		1	1	1				1				1	1		15	May
2	February			1	1	2			1		1			1		1				1	1		2		12	February
4	April				1	2	1	1	2		1	1								1	1		1		12	April
11	November		1	1	1			1	2						2	1			1			1			11	November
	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

Transition of fatal and non-fatal accidents in prefectures in code no. 011609 other electric/gas/water service (1999-2021)

code	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
1	Hokkaido			1		1			2	2	1									2	1	2	2	2	16	Hokkaido
11	Saitama	1		1		1					2						2		1					2	10	Saitama
13	Tokyo					1		1				1	1	1	1			2		1			1	1	11	Tokyo
30	Wakayama																					1	1	1	3	Wakayama
8	Ibaraki												1											1	2	Ibaraki
38	Ehime																							1	1	Ehime

	!				 —با	 														<u></u>	!	— —	
27	Osaka	3			1	1	5	1	1	3			1			1					2	19	Osaka
40	Fukuoka		1				1				1	2	2				1	1		4	2	15	Fukuoka
14	Kanagawa	1	1	1	1	1		1	1	2											1	10	Kanagawa
28	Hyogo					1	3			2				1		1		1				9	Hyogo
7	Fukushima	1		1	1							1			1	1		1		1		8	Fukushima
23	Aichi			1							2			2		1			1	1		8	Aichi
26	Kyoto				1	1	1		1		1					1						6	Kyoto
35	Yamaguchi										1		2						1	1		5	Yamaguch
34	Hiroshima														1		2				1	4	Hiroshima
46	Kagoshima							1					1						2			4	Kagoshima
22	Shizuoka			1														1			1	3	Shizuoka
25	Shiga		2			1																3	Shiga
33	Okayama								1										2			3	Okayama
12	Chiba				1												1					2	Chiba
42	Nagasaki								1			1										2	Nagasaki
43	Kumamoto			1						1												2	Kumamot
45	Miyazaki			1		1																2	Miyazaki
3	lwate																		1			1	lwate
4	Miyagi													1								1	Miyagi
6	Yamagata				1																	1	Yamagata
15	Niigata															1						1	Niigata
17	Ishikawa		1																			1	Ishikawa
24	Mie		╫					1														1	Mie

32	Shimane						1																1	Shimane
2	Aomori																							Aomori
5	Akita																							Akita
9	Tochigi																							Tochigi
10	Gunma																							Gunma
16	Toyama																							Toyama
18	Fukui																							Fukui
19	Yamanashi																							Yamanashi
20	Nagano																							Nagano
21	Gifu																							Gifu
29	Nara																							Nara
31	Tottori																							Tottori
36	Tokushima																							Tokushima
37	Kagawa																							Kagawa
39	Kochi																							Kochi
41	Saga																							Saga
44	Oita																							Oita
47	Okinawa																							Okinawa
	total	6	5	8	9	7	13	6	8	9	7	5	7	4	4	8	5	7	8	10	11	8	155	total

 $Data\ source: \underline{https://anzeninfo.mhlw.go.jp/user/anzen/tok/anst00.htm}$