Fatal and non-fatal accidents in city gas service in Japan in 1999-2022

city gas service industry Code No.011602

Type of accidents in city gas service in 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
fall from height	11	11	15	19	16	11	16	6	7	6	12	3	7	4	10	3	11	3	2	6	12	11	9	7	218
falling to same level	21	23	20	24	24	14	22	12	18	17	10	12	11	10	16	8	8	9	11	13	7	16	20	16	362
crash	6	6		4	6	3	4	2	2	3	3	1	3	2	1	2	2	2	1	7		1	5	2	68
struck by flying or falling object	3	3	5	3	1	2		3	5	2	1	1	4	2		2	2	1		1	1	2			44
collapse			1	3		1						1	1	1		2		1		1			2	1	15
crashed by		3	4	1	1			1	1			2		1	1	1		2	2	1	2	2	3		28
caught in/between	7	3	4	4	6	1	3	6	1	2	3	1	3			1	1	4	2	2		1	2	2	59
cut	4	1	2	1	1		1		3	1	1		1	2		1									19
injury to the sole of the foot	1				1																		1		3
drown													1												1
contact to high/low-	1	1	1	4		2	1	1	2	3	2			1	1	3		2	2		2	1	3		33

temperature																									
contact to harmful substance	1	3	1	5			1	1				1	1				1		1						16
electric shock							1																		1
explosion	4	1																							5
burst																									
fire			3								1											1			5
traffic accident (public road)	17	18	21	20	17	9	15	7	12	15	8	7	5	10	7	13	12	9	7	7	7	6	5	4	258
traffic accident (others)			1	1						1		1								1					5
reaction to motion/improper motion	5	12	14	10	10	3	5	7	6	8	7	10	9	4	3	2	5	4	4	6	17	9	8	9	177
others	3	1	2			3							2		1				1					1	14
unclassifiable			1	1								1													3
total	84	86	95	100	83	49	69	46	57	58	48	41	48	37	40	38	42	37	33	45	48	50	58	42	1,334

Causal agents (large) of fatal and non-fatal accidents in city gas service in 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
machine		3	1	2	2	1	1	2	2	4	1	3	1	3		1	1	2		1			2		33

crane, conveying machine	24	24	22	26	24	12	16	9	18	17	11	9	9	9	9	14	12	9	8	9	9	9	10	8	327
other equipment	4	8	17	11	8	3	11	5	8	9	6	2	4	5	7	3	5	4	4	5	3	6	8	2	148
temporary buildings, establishments	30	30	29	37	40	22	22	17	17	18	18	13	21	14	17	11	18	12	12	19	20	26	26	22	511
substance, material	8	6	8	11	1	3	4	3	4		1	1	2	1	2	1	1	1	2		2	2	3	1	68
load	6	4	8	6	2	1	1	3	4	3	6	6	4	2		2	2	4	1	4	6	4	2	5	86
environment	7	3	4	1	1	2	9	4	2	3	1		2	1	3	2	1	3	4	5	2	1	4	1	66
others	5	8	6	6	5	5	5	3	2	4	4	7	5	2	2	4	2	2	2	2	6	2	3	3	95
total	84	86	95	100	83	49	69	46	57	58	48	41	48	37	40	38	42	37	33	45	48	50	58	42	1,334

Causal agents (middle) of fatal and non-fatal accidents in city gas service in 1999-2022

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
engine													1												1
power transmission mechanism										1															1
woodworking machine									2					1											3

construction machine			1		1	1		1		1	1	1												2		9
metal manufacturing machine		1		1						1		1														4
general machine		2		1	1		1	1		1		1		2		1	1	2		1						15
mobile silviculture machine																										
crane	2				1															1						4
conveying machine	3	3	2	6	4	3	6	4	5	2	2	1	5		1	1	1				1	1	4	2	57
vehicle	19	21	20	20	19	9	10	5	13	15	9	8	4	9	8	13	11	9	8	8	8	8	6	6	266
pressure vessel				2	1	1	2	2	2		1	1		1		1		1					3		18
chemical facilities																									
welding equipment																									
kiln, caldron			1							2	1														4
electric equipment			1				1	1																	3
human power machine, tools	3	2	4	1	3		4		1		2	1	1	1	1			1		2					27
tools		3	5	4	2	2	2		1	4			1	3	4		3	2	1	3	3	6	3	2	54
other equipments,																									

facilities	1	3	6	4	2		2	2	4	3	2		2		2	2	2		3				2		42
temporary buildings, establishments	30	30	29	37	40	22	22	17	17	18	18	13	21	14	17	11	18	12	12	19	20	26	26	22	511
hazards, harmful substances	5	5	6	9		2	2	2	2		1	1	1	1		1		1	2		1	2	2		46
materials	3	1	2	2	1	1	2	1	2				1		2		1				1		1	1	22
load	6	4	8	6	2	1	1	3	4	3	6	6	4	2		2	2	4	1	4	6	4	2	5	86
natural environment	7	3	4	1	1	2	9	4	2	3	1		2	1	3	2	1	3	4	5	2	1	4	1	66
other causal agent	2	6		2		2	1	1			2	1	2		1	2			2		1		1	1	27
no causal agent	2	2	5	4	5	2	4	2	2	4	2	6	3	2	1	2	2	2		2	5	2	2	2	65
unclassifiable	1		1			1																			3
total	84	86	95	100	83	49	69	46	57	58	48	41	48	37	40	38	42	37	33	45	48	50	58	42	1,334

Causal agents (small) of fatal and non-fatal accidents in city gas service in 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
engine													1												1
power transmission mechanism										1															1

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

demolition machine										1															1
vehicle for high lift work																									
other construction machines																									
lathe																									
drill press, milling machine																									
grinding machine, buffing machine												1													1
power press																									
forging pressure hammer																									
shearing machine																									
other metal manufacturing machines										1															1
centrifugal machine																									
mixer, grinder																									
roll machine (except printingroll machine)																		1							1

injection molding machine																									
food manufacturing machine																									
printing machine																									
industrial robot																									
other general power machines					1		1	1		1		1		2		1	1	1		1					11
felling machine																									
mobile logging machine																									
skyline yarding machine																									
other mobile silviculture machine																									
crane					1															1					2
mobile crane																									
derrick crane																									
elevator, lift																									
cargo lifting appliance																									
gondola																									

lumberyard equipment, logging cableway																									
simple skyline yarding equipment																									
other powered crane																									
truck			2		3		6	4	4	2	2		3		1		1				1	1	3	2	35
forklift																									
railway equipment																									
conveyor					1							1	2										1		5
loader									1																1
straddle carrier																									
rough terrain hauler																									
other powered conveying machines																1									1
cars, bus, motorcycle			19		19		10	5	13	13	9	8	3	9	6	13	11	9	8	8	8	8	6	6	191
railway vehicle																									
other vehicles			1							2			1		2										6
boiler																									

pressure vessel							1																		1
other pressure vessels					1		1	2	2		1	1		1		1		1					3		14
chemical facilities																									
gas welding equipment																									
arc welding equipment																									
other welding equipment																									
kiln, caldron			1							2	1														4
industrial dryer																									
other kiln, caldron																									
transmission			1					1																	2
electric power facilities							1																		1
other electrical equipment																									
human power cranes																									
human power hauling equipment			4		2		4				1	1	1	1	1			1		2					18

human power machine																									
hand tool					1				1		1														3
ladder			4		2		2			2				2	3		2	1		3	2	2	1	2	28
slinging tool										1															1
other tools			1						1	1			1	1	1		1	1	1		1	4	2		16
other equipment, facilities			6		2		2	2	4	3	2		2		2	2	2		3				2		34
scaffolding									1			1	1	1											4
timbering					1																				1
stairs, landing stage			10		10		5	6	4	5	2	3	8	3	6	3	8	1	1	6	9	8	8	6	112
opening			1		2		1						1		1								1		7
roof, beam, haze, crossbeam, principal rafter					1			1			1											1	1	1	6
working platform, boot board					1		2	3	2		3	1		2	2				1	1		2		3	23
passage			11		12		9	6	5	7	6	6	3	6	2	5	7	5	7	5	7	10	6	10	135
building, establishment			6		9		4	1	2	6	4	2	6	1	5	2	2	3	2	3	2	3	5		68
other temporary buildings,			1		4		1		3		2		2	1	1	1	1	3	1	4	2	2	5	2	36

establishments																									
explosive substance			1																						1
inflammable substance																									
inflammable gas			4				1	1	1			1		1		1		1	1		1	2	1		16
harmful substance			1				1	1																	3
radiation																									
other hazards, harmful substances									1		1		1						1				1		5
metal material			2		1				1						1						1		1		7
lumber, bamboo									1				1		1										3
stone, sand, substance							1	1																1	3
other materials							1										1								2
load			6		2		1	2	4	3	4	5	4	2		2	2	4	1	3	5	4	2	5	61
machine/equipment as load			2					1			2	1								1	1				8
natural ground, rock								1						1	1								1		4
standing tree																									
water													1												1
abnormal																									

environment																	1								1
high/cold temperature environment								1		1	1					1		1	1		1				7
other environments			4		1		9	2	2	2			1		2	1		2	3	5	1	1	3	1	40
other causal agent							1	1			2	1	2		1	2			2		1		1	1	15
no causal agent			5		5		4	2	2	4	2	6	3	2	1	2	2	2		2	5	2	2	2	55
unclassifiable			1																						1
total	84	86	95	100	83	49	69	46	57	58	48	41	48	37	40	38	42	37	33	45	48	50	58	42	1,334

Workers age of fatal and non-fatal accidents in city gas service in 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
19 years old or less		1							1	1	1		1	1				1					1	1	9
20-29	10	13	18	9	5	5	3	7	4	6	5	3	3	4	5	9	8	6	6	3	5	8	9	4	158
30-39	19	17	18	20	13	9	19	8	16	7	13	9	10	11	9	6	5	5	2	6	9	4	9		244
40-49	25	21	17	36	17	13	16	11	12	16	9	11	13	4	11	8	13	8	8	11	16	14	15	9	334
50-59	27	32	39	32	41	18	27	17	20	19	13	11	13	14	9	12	10	11	12	17	11	18	14	21	458
60 years old or more	3	2	3	3	7	4	4	3	4	9	7	7	8	3	6	3	6	6	5	8	7	6	10	7	131
total	84	86	95	100	83	49	69	46	57	58	48	41	48	37	40	38	42	37	33	45	48	50	58	42	1,334

Workers' number of workplace of fatal and non-fatal accidents in city gas service in 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
9 workers or less	12	4	11	8	4	5	7	6	8		6	5	2	5	5		3	3	5	3	7	6	6	1	122
10-29	14	12	15	9	10	7	10	7	14	9	12	13	13	3	5	8	5	10	3	9	9	11	16	13	237
30-49	14	5	4	9	9	6	15	8	3	12	4	2	5	2	4	7	7	3	2	4	6	5	8	4	148
50-99	16	17	11	20	25	12	12	5	11	10	11	4	10	7	12	4	8	9	5	6	10	9	5	9	248
100-299	21	27	37	40	18	11	16	12	12	12	9	10	9	14	9	12	14	8	11	16	6	10	11	10	355
300 workers or more	7	21	17	14	17	8	9	8	9	15	6	7	9	6	5	7	5	4	7	7	10	9	12	5	224
total	84	86	95	100	83	49	69	46	57	58	48	41	48	37	40	38	42	37	33	45	48	50	58	42	1,334

Month of fatal and non-fatal accidents in city gas service in 1999-2022

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
January	4	6	9	7	7	2	8	5	5	6	5	3	5	5	5	2	8	3	4	3	3	3	10	5	123
February	15	7	5	5	3	5	5	5	5	6	3	1	3	6	6	4	1	3	3	12	3	6	4	6	122
March	7	6	14	7	9	3	6	5	6	2	4	3	5	6	2	7	4	4	2	3	9	3	4	3	124
April	2	10	8	9	11	4	4		6	7	6	6	6	5	1	2	2		2	3	3	2	6	5	110
May	6	4	7	9	10	2	6	8	6	8	3	3	3	1	4	3	1	4	2		2	4	5	1	102
June	8	9	10	5	9	3	5	3	2	5	4	3	4	2	4	4	2	3	4	4	3	6	3	4	109

July	5	5	10	15	5	9	8	2	5	4	6	6	4	2	1	5	6	3	1	3	8	5	7	4	129
August	10	3	9	6	3	4	5	2	5	3	3			1	2	2	9	3	3	2	5	3	1	2	86
September	13	6	7	8	8	5	4	4	2	3	4	4	7	3	3	1	2		1	5	5	8	2	2	107
October	4	10	6	13	10	2	6	1	6	6	2	4	3	3	3	2	4	7	4		2	3	4	6	111
November	2	7	6	11	4	5	2	3	5	1	5	5	4	2	3	2		3	4	6	4	2	5	1	92
December	8	13	4	5	4	5	10	8	4	7	3	3	4	1	6	4	3	4	3	4	1	5	7	3	119
total	84	86	95	100	83	49	69	46	57	58	48	41	48	37	40	38	42	37	33	45	48	50	58	42	1,334

Prefecture of fatal and non-fatal accidents in city gas service in 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
Hokkaido	3	3	3		6		7	2	2	1		1				1		2	1	1	3	3	1	2	42
Aomori	2	1			1		1						1		2			1		1		1			11
Iwate					1				1		1			1						1	1			1	7
Miyagi	1	1	1		2		5	1	3	5	1		4			3	1	1	2	5	5	4	4	3	52
Akita											1		1											1	3
Yamagata	5									1	1		1	1										1	10
Fukushima			1		2			1		2		1	2	4				2					1		16
Ibaraki	1		1		1			1	2	2			3		2	1		1			1	1			17
Tochigi			2										1	1	2	1			2			1	4	1	15
Gunma	1		2		1			2	1		1	1		3		1	1	1	1			1	1	1	19

Saitama	2	4	5		1		4	3	4	2	2	8	3	2	2	1	2	2	2	2	1	4	3	2	61
Chiba	7	12	5		7		8	2	9	1	6	2	3	3	1	7	8	4	4	3	4	6	5	3	110
Tokyo	13	21	23		14		10	1	3	3	3	11	7	6	6	7	4	1	1		3	5	1	4	147
Kanagawa	7	8	12		2		1	1	1	3	1		2		5	1	1	1	5	7	2	1	1	6	68
Niigata	1										2	1			1	1	2	1	1			1	1		12
Toyama			1		1			1			1												2		6
Ishikawa	1										1									1	2		3		8
Fukui	2							1			1														4
Yamanashi			1																	1	1				3
Nagano	1		2				1	2	1	1					1				1		1	1	1	2	15
Gifu	2	5	2		2					2	2							1		1	2	1	2		22
Shizuoka	4	1	7		3		4	1	5	4	3		2	1		1	4	3		4	1	1		1	50
Aichi	5	3	3		7		7	5	3	6	1	5	1	1	4	2	3	1	3	4	1	2	1	2	70
Mie	1	2	1					2		1	3			1		1			2	1		2			17
Shiga					1		3	1					1					1				1	1		9
Kyoto	2	1	1		2												1	1			1	1		1	11
Osaka	3	12	4		7		1	2	4	4	4	2	5	3	1		2	1	2	4	3		3		67
Hyogo	5	1	2		5		2	3	3	1				1	1		1	2			2	4	1		34
Nara	1	1							1	1	2			1	1	1	2		2				1		14
Wakayama		1																							1
Tottori		1			1			1											1					1	5

Shimane																									
Okayama			1		2					3						1	1			1		1	2		12
Hiroshima	1	3	2		1		2	4	3	3	1	1			3	2	1	1		2	1	2	3		36
Yamaguchi					1		4				1	1	1					1							9
Tokushima										1											1	1			3
Kagawa		1								1	1														3
Ehime	2				1					1				1				1							6
Kochi	1				1		1									1	1				2		1	1	9
Fukuoka	2	3	3		8		4	4	5	6	5	3	4	2	3	1	2	5	3	5	5	3	7	1	84
Saga			2		1		1		2						2	1					1	1		1	12
Nagasaki	1	1	3				1	3	1	2	1		1			1					1		2	3	21
Kumamoto	4										1							1		1			4	2	13
Oita							1					3	3	4			1				2	1		1	16
Miyazaki	1		1					1															1		4
Kagoshima	1		4		1		1	1	1	1	1	1	2	1	3	2	4	1			1		1	1	28
Okinawa	1								2																3
total	84	86	95	100	83	49	69	46	57	58	48	41	48	37	40	38	42	37	33	45	48	50	58	42	1,334

Fatal and non-fatal accidents mean fatal and non-fatal injuries and occupational diseases with work absence of 4 days and more.

Data of 2022 year do not include Covid-19 cases. Data of 2020 & 2021 year include Covid-19 cases. Fatal and non-fatal data are same situation.

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.html (MHLW, Japan)

Return to https://www.jisha.or.jp/english/statistics/2022e_industry.html

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Fatal accidents in city gas service in Japan in 1999-2022

city gas service industry Code No.011602

Type of fatal accidents in city gas service in 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
fall from height												1													1
falling to same level																									
crash																									
struck by flying or falling object																									
collapse																									
crashed by																									
caught in/between																									
cut																									
injury to the sole of the foot																									

drown													1												1
contact to high/low-temperature																									
contact to harmful substance	1	1						1									1								4
electric shock																									
explosion																									
burst																									
fire			1																						1
traffic accident (public road)														1											1
traffic accident (others)																									
reaction to motion/improper motion																									
others																									
unclassifiable																									
total	1	1	1					1				1	1	1			1								8

Causal agents (large) of fatal accidents in city gas service in 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
machine																									
crane, conveying machine														1											1
other equipment																									
temporary buildings, establishments												1													1
substance, material	1	1	1					1																	4
load																									
environment													1				1								2
others																									
total	1	1	1					1				1	1	1			1								8

Causal agents (middle) of fatal accidents in city gas service in 1999-2022

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
engine																									
power transmission mechanism																									

woodworking machine																									
construction machine																									
metal manufacturing machine																									
general machine																									
mobile silviculture machine																									
crane																									
conveying machine																									
vehicle														1											1
pressure vessel																									
chemical facilities																									
welding equipment																									
kiln, caldron																									
electric equipment																									
human power machine, tools																									
tools																									
other equipments,																									

facilities																									
temporary buildings, establishments												1													1
hazards, harmful substances	1	1	1					1																	4
materials																									
load																									
natural environment													1				1								2
other causal agent																									
no causal agent																									
unclassifiable																									
total	1	1	1					1				1	1	1			1								8

Causal agents (small) of fatal accidents in city gas service in 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
engine																									
power transmission mechanism																									

circular sawing machine																									
band sawing machine																									
wood planer machine																									
hollow chisel mortiser, wood borer																									
chamfering machine, router, woodworking milling machine																									
chain saw																									
other woodworking machines																									
leveling, transporting or loading machine																									
excavating machine																									
foundation work machine																									
hardening machine																									

demolition machine																									
vehicle for high lift work																									
other construction machines																									
lathe																									
drill press, milling machine																									
grinding machine, buffing machine																									
power press																									
forging pressure hammer																									
shearing machine																									
other metal manufacturing machines																									
centrifugal machine																									
mixer, grinder																									
roll machine (except printingroll machine)																									

injection molding machine																									
food manufacturing machine																									
printing machine																									
industrial robot																									
other general power machines																									
felling machine																									
mobile logging machine																									
skyline yarding machine																									
other mobile silviculture machine																									
crane																									
mobile crane																									
derrick crane																									
elevator, lift																									
cargo lifting appliance																									
gondola																									

lumberyard equipment, logging cableway																									
simple skyline yarding equipment																									
other powered crane																									
truck																									
forklift																									
railway equipment																									
conveyor																									
loader																									
straddle carrier																									
rough terrain hauler																									
other powered conveying machines																									
cars, bus, motorcycle														1											1
railway vehicle																									
other vehicles																									
boiler																									

pressure vessel																									
other pressure vessels																									
chemical facilities																									
gas welding equipment																									
arc welding equipment																									
other welding equipment																									
kiln, caldron																									
industrial dryer																									
other kiln, caldron																									
transmission																									
electric power facilities																									
other electrical equipment																									
human power cranes																									
human power hauling equipment																									

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

establishments																									
explosive substance																									
inflammable substance																									
inflammable gas			1																						1
harmful substance	1	1						1																	3
radiation																									
other hazards, harmful substances																									
metal material																									
lumber, bamboo																									
stone, sand, substance																									
other materials																									
load																									
machine/equipment as load																									
natural ground, rock																									
standing tree																									
water													1												1
abnormal																									

environment																	1								1
high/cold temperature environment																									
other environments																									
other causal agent																									
no causal agent																									
unclassifiable																									
total	1	1	1					1				1	1	1			1								8

Workers age of fatal accidents in city gas service in 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
19 years old or less																									
20-29	1																								1
30-39			1																						1
40-49												1		1			1								3
50-59								1					1												2
60 years old or more		1																							1
total	1	1	1					1				1	1	1			1								8

Workers' number of workplace of fatal accidents in city gas service in 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
9 workers or less	1		1					1				1	1	1											6
10-29																									
30-49																									
50-99		1																							1
100-299																									
300 workers or more																	1								1
total	1	1	1					1				1	1	1			1								8

Month of fatal accidents in city gas service in 1999-2022

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
January		1																							1
February																									
March	1												1	1											3
April																									
May																									
June			1																						1

July												1													1
August																	1								1
September								1																	1
October																									
November																									
December																									
total	1	1	1					1				1	1	1			1								8

Prefecture of fatal accidents in city gas service in 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
Hokkaido																									
Aomori																									
Iwate																									
Miyagi																									
Akita																									
Yamagata																									
Fukushima													1												1
Ibaraki																									
Tochigi																									
Gunma																									

Saitama														1											1
Chiba	1																								1
Tokyo																									
Kanagawa																									
Niigata																									
Toyama																									
Ishikawa																									
Fukui																									
Yamanashi																									
Nagano								1																	1
Gifu																									
Shizuoka																									
Aichi																									
Mie																									
Shiga																									
Kyoto																									
Osaka		1																							1
Hyogo																									
Nara																									
Wakayama																									
Tottori																									

Shimane																									
Okayama																									
Hiroshima																	1								1
Yamaguchi																									
Tokushima																									
Kagawa																									
Ehime																									
Kochi																									
Fukuoka												1													1
Saga																									
Nagasaki																									
Kumamoto																									
Oita																									
Miyazaki																									
Kagoshima			1																						1
Okinawa																									
total	1	1	1					1				1	1	1			1								8

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

Return to https://www.jisha.or.jp/english/statistics/2022e_industry.html