Fatal and non-fatal accidents in public office in Japan in 1999-2021

public office industry Code No.16

Type of accidents in public office 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	17	23	27	15	25	14	26	20	15	11	17	13	12	17	17	22	11	13	14	18	25	25	33	430	fall from height
falling to same level	44	27	42	40	47	29	74	35	23	28	20	31	31	39	19	26	18	28	39	28	26	37	48	779	falling to same level
crash	6	5	3	5	7	4	4	6	3	8	7	4	3	5	3	5	2	4	5	5	5	6	8	113	crash
struck by flying or falling object	7	10	6	11	6	6	10	12	8	8	4	5	2	1	4	1	8	3	3	8	2	2	3	130	struck by flying or falling object
collapse	3			2		3	6	1		1	1					1	1		1	1	1	1		23	collapse
crashed by	4	8	7	6	6	6	6	3	8	3	5	4	4	5	3	2		3	5	5	3	8	2	106	crashed by
caught in/between	13	11	13	8	12	8	14	7	4	6	6	1	8	4	2	6	5	4	7	7	5	4	7	162	caught in/between
cut	19	16	17	18	20	22	27	8	11	6	11	16	9	11	9	3	4	9	7	5	11	12	8	279	cut
injury to the sole of the foot			1							1		1				1	1			1				6	injury to the sole of the foot
drown												1	2											3	drown
contact to high/low-temperature	9	3	3	7	9	7	1	5	4	4	4	1	3	1				2	1	4	2	3	4	77	contact to high/low-temperature

contact to harmful substance	1			1		2	2																	6	contact to harmful substance
electric shock	1														1									2	electric shock
explosion																									explosion
burst																									burst
fire																									fire
traffic accident (public road)	6	12	1	18	19	12	63	19	10	8	7		5	7	2	4	2	10	5	7	5	2	7	231	traffic accident (public road)
traffic accident (others)				1			1			2						1			1	1		1		8	traffic accident (others)
reaction to motion/improper motion	20	14	22	16	24	14	18	21	16	13	10	18	14	17	14	15	11	9	12	10	12	9	19	348	reaction to motion/improper motion
others	6	6	2	4	3	6	4	3	1	1	2	3	2	1	3	2	1	2	2	1	3	2	2	62	others
unclassifiable	1	1			1	1	1		1						1		1							8	unclassifiable
total	157	136	144	152	179	134	257	140	104	100	94	98	95	108	78	89	65	87	102	101	100	112	141	2,773	total

Causal agents (large) of fatal and non-fatal accidents in public office in 1999-2021

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
machine	7	10	12	4	11	13	12	7	2	7	6	7	6	4	5	3	6	7	7	9	7	9	8	169	machine
crane, conveying																									crane,

machine	21	20	7	30	35	23	99	35	11	12	9	6	11	10	6	10	5	15	9	12	10	6	14	416	conveying machine
other equipment	29	28	34	29	34	25	29	25	27	30	22	27	20	24	13	21	16	20	16	17	27	22	38	573	other equipment
temporary buildings, establishments	38	32	40	31	47	31	65	32	27	29	29	23	30	36	30	32	16	21	37	30	29	43	49	777	temporary buildings, establishments
substance, material	10	8	10	11	8	6	9	6	4	5	1	7	2	2	2	1	3	3	5	3	4	3	6	119	substance, material
load	8	6	3	7	3	4	8	5	6	2	5	4	2	5	2	3	5	3	4	8	5	3	4	105	load
environment	20	15	19	17	16	12	14	14	11	4	8	10	12	15	6	7	3	8	11	13	8	9	7	259	environment
others	24	17	19	23	25	20	21	16	16	11	14	14	12	12	14	12	11	10	13	9	10	17	15	355	others
total	157	136	144	152	179	134	257	140	104	100	94	98	95	108	78	89	65	87	102	101	100	112	141	2,773	total

Causal agents (middle) of fatal and non-fatal accidents in public office in 1999-2021

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) agents
engine						1									1									2	engine
power transmission mechanism							1	1																2	power transmission mechanism
woodworking machine	1	3	4	1		3	1	2		1	2	2		1		1	2	2		1	4	4	2	37	woodworking machine

construction machine	1	2				4	1			1								1	1		1	1		13	construction machine
metal manufacturing machine	3			1	1	2	1		1									1				1	1	12	metal manufacturing machine
general machine	2	5	8	2	10	3	8	4	1	5	4	5	6	3	4	2	4	3	6	8	2	3	5	103	general machine
mobile silviculture machine																									mobile silviculture machine
crane		1			1				1		1					1							1	6	crane
conveying machine	12	8	5	7	6	10	6	9	1	2	1	5	6	3	3	3	1	2	1	5	4	2	4	106	conveying machine
vehicle	9	11	2	23	28	13	93	26	9	10	7	1	5	7	3	6	4	13	8	7	6	4	9	304	vehicle
pressure vessel	1																							1	pressure vessel
chemical facilities																									chemical facilities
welding equipment																									welding equipment
kiln, caldron					1			2	1															4	kiln, caldron
electric equipment							1			1						1						1		4	electric equipment
human power machine, tools	17	10	13	18	14	12	15	7	13	9	10	16	5	11	5	6	4	6	2	5	6	2	2	208	human power machine, tools

tools	8	15	16	9	12	11	9	9	10	11	9	7	9	10	7	12	9	11	11	11	18	15	31	270	tools
other equipments, facilities	3	3	5	2	7	2	4	7	3	9	3	4	6	3	1	2	3	3	3	1	3	4	5	86	other equipments, facilities
temporary buildings, establishments	38	32	40	31	47	31	65	32	27	29	29	23	30	36	30	32	16	21	37	30	29	43	49	777	temporary buildings, establishments
hazards, harmful substances	1		1	1	1	2			1				1					1	2	1	1		3	16	hazards, harmful substances
materials	9	8	9	10	7	4	9	6	3	5	1	7	1	2	2	1	3	2	3	2	3	3	3	103	materials
load	8	6	3	7	3	4	8	5	6	2	5	4	2	5	2	3	5	3	4	8	5	3	4	105	load
natural environment	20	15	19	17	16	12	14	14	11	4	8	10	12	15	6	7	3	8	11	13	8	9	7	259	natural environment
other causal agent	9	9	8	8	11	11	10	5	10	6	5	5	4	7	2	1	4	6	6	4	3	8	4	146	other causal agent
no causal agent	12	8	10	12	13	7	9	9	5	4	9	9	5	5	10	11	6	4	7	5	7	8	11	186	no causal agent
unclassifiable	3		1	3	1	2	2	2	1	1			3		2		1					1		23	unclassifiable
total	157	136	144	152	179	134	257	140	104	100	94	98	95	108	78	89	65	87	102	101	100	112	141	2,773	total

Causal agents (small) of fatal and non-fatal accidents in public office 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															1										1	engine
power transmission mechanism							1	1																	2	power transmission mechanism
circular sawing machine			2				1	1		1	1	1		1		1	1	1			1	4		16	circular sawing machine
band sawing machine																										band sawing machine
wood planer machine			1									1													2	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	2		1	7	chain saw
other woodworking machines			1					1													1		1	4	other woodworking machines
leveling, transporting or loading machine							1												1					2	leveling, transporting or loading machine
excavating machine										1								1				1		3	excavating machine
foundation work machine																										foundation work machine

hardening machine																									hardening machine
demolition machine																									demolition machine
vehicle for high lift work																									vehicle for high lift work
other construction machines																					1			1	other construction machines
lathe																									lathe
drill press, milling machine																									drill press, milling machine
grinding machine, buffing machine									1													1	1	3	grinding machine, buffing machine
power press																									power press
forging pressure hammer																									forging pressure hammer
shearing machine																									shearing machine
other metal manufacturing machines					1		1											1						3	other metal manufacturing machines
centrifugal machine																									centrifugal machine
mixer, grinder					1														1	1				3	mixer, grinder
roll machine (except printingroll machine)																									roll machine (except printingroll machine)
injection molding																									injection molding

machine																									machine
food manufacturing machine			2		3		7	1		2		2	2	1	1	1	1	1		4		1		29	food manufacturing machine
printing machine																									printing machine
industrial robot																									industrial robot
other general power machines			6		6		1	3	1	3	4	3	4	2	3	1	3	2	5	3	2	2	5	59	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					1											1								2	mobile crane
derrick crane																									derrick crane
elevator, lift									1														1	2	elevator, lift
cargo lifting appliance																									cargo lifting appliance
gondola																									gondola
lumberyard equipment, logging cableway																									lumberyard equipment, logging cableway

simple skyline yarding equipment																									simple skyline yarding equipment
other powered crane											1													1	other powered crane
truck			2		4		3	8	1	2	1	4	5	3	3	2		1	1	5	4		3	52	truck
forklift			1		1		1					1					1						1	6	forklift
railway equipment																									railway equipment
conveyor			1		1		1	1					1					1						6	conveyor
loader							1									1								2	loader
straddle carrier																									straddle carrier
rough terrain hauler																						1		1	rough terrain hauler
other powered conveying machines			1																			1		2	other powered conveying machines
cars, bus, motorcycle			1		27		91	24	8	9	7	1	4	7	3	5	3	12	6	5	6	4	9	232	cars, bus, motorcycle
railway vehicle																									railway vehicle
other vehicles			1		1		2	2	1	1			1			1	1	1	2	2				16	other vehicles
boiler																									boiler
pressure vessel																									pressure vessel
other pressure vessels																									other pressure vessels
chemical facilities																									chemical facilities
gas welding																									gas welding

equipment																									equipment
arc welding equipment																									arc welding equipment
other welding equipment																									other welding equipment
kiln, caldron					1			2	1															4	kiln, caldron
industrial dryer																									industrial dryer
other kiln, caldron																									other kiln, caldron
transmission																1								1	transmission
electric power facilities																									electric power facilities
other electrical equipment							1			1												1		3	other electrical equipment
human power cranes																									human power cranes
human power hauling equipment			2		2		2	2	1	5	2	5	1	5	1	3	2	4	2	5	2	1		47	human power hauling equipment
human power machine			1						1															2	human power machine
hand tool			10		12		13	5	11	4	8	11	4	6	4	3	2	2			4	1	2	102	hand tool
ladder			10		4		6	7	6	3	6	7	5	5	5	11	7	4	6	3	11	10	17	133	ladder
slinging tool																			1					1	slinging tool
other tools			6		8		3	2	4	8	3		4	5	2	1	2	7	4	8	7	5	14	93	other tools
other equipment,																									other equipment,

facilities			5		7		4	7	3	9	3	4	6	3	1	2	3	3	3	1	3	4	5	76	facilities
scaffolding							1	1	1	1					1							1		6	scaffolding
timbering																									timbering
stairs, landing stage			5		7		13	4	8	5		5	3	7	4	8	2	4	6	5	6	9	11	112	stairs, landing stage
opening												1		1					1	2			1	6	opening
roof, beam, haze, crossbeam, principal rafter					1		1					1	1	1	1			1	1					8	roof, beam, haze, crossbeam, principal rafter
working platform, boot board			4		9		8	2	3	3	3	3	7	2	4	4	1	3	3	4	3	3	3	72	working platform, boot board
passage			19		10		27	12	7	8	10	4	12	17	7	12	7	11	20	13	17	23	21	257	passage
building, establishment			8		14		8	4	3	6	7	5	3	5	6	4	4	1	4	3	1	3	11	100	building, establishment
other temporary buildings, establishments			4		6		7	9	5	6	9	4	4	3	7	4	2	1	2	3	2	4	2	84	other temporary buildings, establishments
explosive substance																									explosive substance
inflammable substance																			1				1	2	inflammable substance
inflammable gas									1															1	inflammable gas
harmful substance																									harmful substance
radiation																									radiation
other hazards, harmful substances			1		1								1					1	1	1	1		2	9	other hazards, harmful substances

metal material			3		1		2	2	1	1		2	1				2	1	2	1	1		1	21	metal material
lumber, bamboo					3		2	1	1	1	1	3				1	1					1	1	16	lumber, bamboo
stone, sand, substance			2		1			1		1		1		1				1	1	1	1		1	12	stone, sand, substance
other materials			4		2		5	2	1	2		1		1	2						1	2		23	other materials
load			3		3		7	4	6	2	2	4	2	4	2	3	5	3	4	7	5	3	4	73	load
machine/equipment as load							1	1			3			1						1				7	machine/equipment as load
natural ground, rock			9		4		3	8	3	2	2	2	6	4	2	4	1	3	1	2	1	4	3	64	natural ground, rock
standing tree			4		3		5		3		4	3	1	5	1	2		3	6	6	4	2	1	53	standing tree
water					2					1	1	1	2							1				8	water
abnormal environment							1								1									2	abnormal environment
high/cold temperature environment					2			1					1		1				2	1		1	1	10	high/cold temperature environment
other environments			6		5		5	5	5	1	1	4	2	6	1	1	2	2	2	3	3	2	2	58	other environments
other causal agent			8		11		10	5	10	6	5	5	4	7	2	1	4	6	6	4	3	8	4	109	other causal agent
no causal agent			10		13		9	9	5	4	9	9	5	5	10	11	6	4	7	5	7	8	11	147	no causal agent
unclassifiable			1		1		2	2	1	1			3		2		1					1		15	unclassifiable
total			144		179		257	140	104	100	94	98	95	108	78	89	65	87	102	101	100	112	141	2,194	total

Workers age of fatal and non-fatal accidents in public office 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	2	1	2	3			5	4					1	1	1		1						1	22	19 years old or less
20-29	23	16	16	16	29	14	41	19	15	9	6	8	6	5	7	2		5	3	8	2	3	4	257	20-29
30-39	27	23	27	22	40	17	39	17	14	11	10	16	8	12	8	16	8	4	6	4	4	11	10	354	30-39
40-49	28	24	33	33	46	31	65	31	21	19	22	21	21	21	16	9	11	18	12	11	16	17	19	545	40-49
50-59	34	35	33	47	29	39	63	39	33	32	29	26	34	28	19	29	19	25	31	32	38	38	33	765	50-59
60 years old or more	43	37	33	31	35	33	44	30	21	29	27	27	25	41	27	33	26	35	50	46	40	43	74	830	60 years old or more
total	157	136	144	152	179	134	257	140	104	100	94	98	95	108	78	89	65	87	102	101	100	112	141	2,773	total

Workers' number of workplace of fatal and non-fatal accidents in public office 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	30	26	20	30	32	39	30	28	15	23	25	19	23	23	19	14	13	16	20	14	20	19	27	525	9 workers or less
10-29	28	22	30	25	31	26	36	23	29	20	22	19	14	20	12	19	12	15	20	19	16	14	22	494	10-29
30-49	20	18	10	12	15	18	17	15	12	7	4	11	7	18	6	6	4	9	16	8	10	7	16	266	30-49
50-99	17	15	20	20	9	14	24	13	10	9	11	9	7	9	12	12	4	12	15	7	14	9	16	288	50-99
100-299	17	25	25	23	22	12	52	27	13	16	16	18	22	14	9	15	12	12	14	18	13	22	22	439	100-299
300 workers or more	45	30	39	42	70	25	98	34	25	25	16	22	22	24	20	23	20	23	17	35	27	41	38	761	300 workers or more
total	157	136	144	152	179	134	257	140	104	100	94	98	95	108	78	89	65	87	102	101	100	112	141	2,773	total

Month of fatal and non-fatal accidents in public office 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	8	11	20	16	23	11	30	13	13	10	10	13	4	18	5	6	5	8	9	11	11	14	18	287	January
February	16	10	10	6	13	7	27	13	8	11	3	8	13	11	7	11	5	7	5	7	11	4	9	222	February
March	14	10	6	8	14	7	27	11	3	10	4	7	11	8	7	4	3	5	3	12	6	13	12	205	March
April	15	11	11	7	13	10	21	14	10	12	9	4	9	7	4	5	9	11	6	5	9	9	4	215	April
May	14	10	16	12	13	17	17	8	9	10	5	10	2	6	4	13	6	4	7	10	11	10	19	233	May
June	15	15	13	24	22	17	22	9	13	5	9	11	15	4	8	8	5	9	5	6	5	10	16	266	June
July	16	15	10	11	22	11	14	13	10	4	14	9	4	11	5	11	7	5	13	9	8	8	12	242	July
August	12	8	6	16	12	14	18	13	9	9	6	6	6	7	3	3	4	12	9	11	7	5	10	206	August
September	14	12	13	17	12	10	20	19	6	6	5	8	7	9	9	6	9	5	10	5	9	13	9	233	September
October	11	9	12	14	13	8	29	9	10	11	11	7	9	10	11	11	5	7	14	6	9	10	19	255	October
November	13	10	17	13	13	12	14	14	8	7	8	8	9	12	9	6	4	8	11	11	6	5	6	224	November
December	9	15	10	8	9	10	18	4	5	5	10	7	6	5	6	5	3	6	10	8	8	11	7	185	December
total	157	136	144	152	179	134	257	140	104	100	94	98	95	108	78	89	65	87	102	101	100	112	141	2,773	total

Prefecture of fatal and non-fatal accidents in public office 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	3	1	2		1			2	1	1	1		2	4	1				1	3	1	4	2	30	Hokkaido
Aomori		2	1		1			1	1	3						1				1		1	1	13	Aomori
Iwate		1	3		2			1	1	1		1		1		1					1		1	14	Iwate

Miyagi	3	4	1		2		3	1	3	1	9	4	3	1	3	2	5	1	2	2	1	6	5	62	Miyagi
Akita		1																	1			1		3	Akita
Yamagata		3			9																			12	Yamagata
Fukushima	1	1	4		3		2	1	1		2	4		1			1	2	1	1	1		2	28	Fukushima
Ibaraki	2	1	1		2		2		2	1			3	1	1	3	1		3	3	1		2	29	Ibaraki
Tochigi	4	2	1				1		1	5	2	2	2	2		1	1	2	2	1	1	1	2	33	Tochigi
Gunma	1	4	1		3		23	3	2					2	2			1				3	4	49	Gunma
Saitama	4	2	12		8		57	15	9	1	5	1	5	3	6	3	2		5	8	5	4	2	157	Saitama
Chiba	14	4	6		4		24	8	7	4	1	2	3	1	1	4	3	10	23	5	4	2	4	134	Chiba
Tokyo	26	27	17		41		32	26	22	22	19	10	6	15	9	12	5	8	14	9	10	12	11	353	Tokyo
Kanagawa	2	3	5		3		4	4	3	4	5	4		2	3	11	5	1	2	6	1	4	7	79	Kanagawa
Niigata	1	2	1		1			1		1		2	2	3		1	1			2	5		2	25	Niigata
Toyama							2											1		1			2	6	Toyama
Ishikawa	1		1									2		2		1		2	1	5	1		1	17	Ishikawa
Fukui	3	2	1		2			2	1		2		1	1			1					1	2	19	Fukui
Yamanashi	3	1			1		2					2	1	1					1			3	1	16	Yamanashi
Nagano	3	4	5		2		5	4	3	2	2	5	8	8	7	8		1	4	3	7	3	8	92	Nagano
Gifu	2	3	5		3		2	4		3	1	2	1	1		4		2				2	2	37	Gifu
Shizuoka		4	1		1		2	3		1				2		1	2	3	2		1	1	2	26	Shizuoka
Aichi	3	1			1		1	2			1	2	2		1	4	3	4	6	2	3	2	3	41	Aichi
Mie								2			1	5			1	1				1	1		2	14	Mie
Shiga		1					1						1		1	1			1	2	1		3	12	Shiga
Kyoto	10	7	7		4		6	6	7	1	1	1		2			1	5	1	2	1	6	5	73	Kyoto

Osaka	1	4	2		7		1	4	6	4	3	9	12	2	1	2	3	4	7	7	8	7	3	97	Osaka
Hyogo	5	4	2		8		6	5	4	8		3	8	1	1	1	6	3	1	3	5	3	10	87	Hyogo
Nara		1	1				1	2	1		1		2	2	1		1		1	1	1			16	Nara
Wakayama			1							2							1					2	1	7	Wakayama
Tottori		1									1	2		1						1				6	Tottori
Shimane	1				3		5	1			2	1	1	1		2		3	1	2	2	5		30	Shimane
Okayama	4	3	5		16		17	4	1	3	4		2	1	4	3	4	3	3	2	8	8	15	110	Okayama
Hiroshima	6	5	6		7		8	1	2	1	1	2	2	6	1	1	3	2		4	3	2	3	66	Hiroshima
Yamaguchi	6	5	13		9		7	1	3	9	7	6	8	6	7	3	4	1	3	3	7	7	8	123	Yamaguchi
Tokushima					3		2	1	1		4	1	1	1		1		1		2		1	1	20	Tokushima
Kagawa												1	1	1	1					1	1	2	3	11	Kagawa
Ehime		1			1			1	1		1	1					1	4		1	1		1	14	Ehime
Kochi	3		4		2		5	1	7	3	5	8	4	3	5		1	2	1	1			2	57	Kochi
Fukuoka	17	10	11		5		15	19	6	8	2	7	7	13	11	8	1	8	6	4	3	6	4	171	Fukuoka
Saga	1	1	4				3		1	1		1	2	3	1				1	1	2	1	1	24	Saga
Nagasaki	6	7	10		14		7	7	6	7	7	5	1	4	4	7	3	7	4	6	1	1	4	118	Nagasaki
Kumamoto	1		4		2		4	2			3	1		1	2		1	1	1	2	6	5	6	42	Kumamoto
Oita		1																						1	Oita
Miyazaki	6	5	4		3		6	2	1		1		2	2			1	1			3	3	2	42	Miyazaki
Kagoshima	2	2			1			3		1			2	4	1	1	1	1		1	1	2		23	Kagoshima
Okinawa	12	5	2		4		1			2		1		3	2	1	3	3	3	2	2	1	1	48	Okinawa
total	157	136	144		179		257	140	104	100	94	98	95	108	78	89	65	87	102	101	100	112	141	2,487	total

Fatal and non-fatal accidents mean fatal and non-fatal injuries and occupational diseases with work absence of 4 days and more. 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.htm (MHLW, Japan)

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Fatal accidents in public office in Japan in 1999-2021

public office industry Code No.16

Type of fatal accidents in public office 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			1	1							1					1				7	fall from height
falling to same level																									falling to same level
crash																									crash
struck by flying or falling object																									struck by flying or falling object
collapse																					1			1	collapse
crashed by																									crashed by
caught in/between	1																							1	caught in/between
cut																									cut

injury to the sole of the foot																									injury to the sole of the foot
drown												1	2											3	drown
contact to high/low-temperature																				1				1	contact to high/low-temperature
contact to harmful substance																									contact to harmful substance
electric shock																									electric shock
explosion																									explosion
burst																									burst
fire																									fire
traffic accident (public road)		1	1	4				1																7	traffic accident (public road)
traffic accident (others)		1																						1	traffic accident (others)
reaction to motion/improper motion																									reaction to motion/improper motion
others																									others
unclassifiable																									unclassifiable
total	2	3	1	5			1	2				1	2		1					2	1			21	total

Causal agents (large) of fatal accidents in public office in 1999-2021

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
machine	1																							1	machine
crane, conveying machine	1	2	1	4				2																10	crane, conveying machine
other equipment															1									1	other equipment
temporary buildings, establishments		1		1			1																	3	temporary buildings, establishments
substance, material																									substance, material
load																									load
environment												1	2							2	1			6	environment
others																									others
total	2	3	1	5			1	2				1	2		1					2	1			21	total

Causal agents (middle) of fatal accidents in public office in 1999-2021

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) agents

engine																										engine
power transmission mechanism																										power transmission mechanism
woodworking machine																										woodworking machine
construction machine	1																								1	construction machine
metal manufacturing machine																										metal manufacturing machine
general machine																										general machine
mobile silviculture machine																										mobile silviculture machine
crane																										crane
conveying machine	1	1						1																	3	conveying machine
vehicle		1	1	4				1																	7	vehicle
pressure vessel																										pressure vessel
chemical facilities																										chemical facilities
welding equipment																										welding equipment

kiln, caldron																									kiln, caldron
electric equipment																									electric equipment
human power machine, tools																									human power machine, tools
tools															1									1	tools
other equipments, facilities																									other equipments, facilities
temporary buildings, establishments		1		1			1																	3	temporary buildings, establishments
hazards, harmful substances																									hazards, harmful substances
materials																									materials
load																									load
natural environment												1	2							2	1			6	natural environment
other causal agent																									other causal agent
no causal agent																									no causal agent
unclassifiable																									unclassifiable

total	2	3	1	5			1	2				1	2		1					2	1			21	total

Causal agents (small) of fatal accidents in public office 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
chain saw																									chain saw
other woodworking machines																									other woodworking machines

leveling, transporting or loading machine																									leveling, transporting or loading machine
excavating machine	1																							1	excavating machine
foundation work machine																									foundation work machine
hardening machine																									hardening machine
demolition machine																									demolition machine
vehicle for high lift work																									vehicle for high lift work
other construction machines																									other construction machines
lathe																									lathe
drill press, milling machine																									drill press, milling machine
grinding machine, buffing machine																									grinding machine, buffing machine
power press																									power press
forging pressure hammer																									forging pressure hammer
shearing machine																									shearing machine
other metal manufacturing machines																									other metal manufacturing machines

centrifugal machine																									centrifugal machine
mixer, grinder																									mixer, grinder
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
other general power machines																									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																									elevator, lift

cargo lifting appliance																										cargo lifting appliance
gondola																										gondola
lumberyard equipment, logging cableway																										lumberyard equipment, logging cableway
simple skyline yarding equipment																										simple skyline yarding equipment
other powered crane																										other powered crane
truck		1						1																	2	truck
forklift																										forklift
railway equipment																										railway equipment
conveyor																										conveyor
loader																										loader
straddle carrier																										straddle carrier
rough terrain hauler																										rough terrain hauler
other powered conveying machines	1																								1	other powered conveying machines
cars, bus, motorcycle			1	4				1																	6	cars, bus, motorcycle
railway vehicle		1																							1	railway vehicle
other vehicles																										other vehicles
boiler																										boiler

pressure vessel																									pressure vessel
other pressure vessels																									other pressure vessels
chemical facilities																									chemical facilities
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																									other kiln, caldron
transmission																									transmission
electric power facilities																									electric power facilities
other electrical equipment																									other electrical equipment
human power cranes																									human power cranes
human power hauling equipment																									human power hauling equipment
human power machine																									human power machine

hand tool																									hand tool
ladder															1									1	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																				2	building, establishment
other temporary buildings, establishments																									other temporary buildings, establishments
explosive substance																									explosive substance
inflammable substance																									inflammable substance

inflammable gas																									inflammable gas
harmful substance																									harmful substance
radiation																									radiation
other hazards, harmful substances																									other hazards, harmful substances
metal material																									metal material
lumber, bamboo																									lumber, bamboo
stone, sand, substance																									stone, sand, substance
other materials																									other materials
load																									load
machine/equipment as load																									machine/equipment as load
natural ground, rock																					1			1	natural ground, rock
standing tree																				1				1	standing tree
water												1	2											3	water
abnormal environment																									abnormal environment
high/cold temperature environment																				1				1	high/cold temperature environment
other environments																									other environments
other causal agent																									other causal agent

no causal agent																									no causal agent
unclassifiable																									unclassifiable
total	2	3	1	5			1	2				1	2		1					2	1			21	total

Workers age of fatal accidents in public office 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		1																						1	20-29
30-39																									30-39
40-49	1		1	2				1					2											7	40-49
50-59	1	1		2				1												1				6	50-59
60 years old or more		1		1			1					1			1					1	1			7	60 years old or more
total	2	3	1	5			1	2				1	2		1					2	1			21	total

Workers' number of workplace of fatal accidents in public office 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							1				3	9 workers or less
10-29	1	2						1												1				5	10-29
30-49																									30-49
50-99			1	4											1									6	50-99

100-299							1	1					1											3	100-299
300 workers or more	1	1		1																	1			4	300 workers or more
total	2	3	1	5			1	2				1	2		1					2	1			21	total

Month of fatal accidents in public office 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	January
February		1													1									2	February
March		1						1					2											4	March
April																									April
May	1																							1	May
June				4																				4	June
July	1																				1			2	July
August							1													1				2	August
September				1				1																2	September
October																									October
November																				1				1	November
December		1	1																					2	December
total	2	3	1	5			1	2				1	2		1					2	1			21	total

Prefecture of fatal accidents in public office 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				5				1												1				7	Hokkaido
Aomori																									Aomori
Iwate																									Iwate
Miyagi													2											2	Miyagi
Akita																									Akita
Yamagata																									Yamagata
Fukushima																									Fukushima
Ibaraki																									Ibaraki
Tochigi																									Tochigi
Gunma																									Gunma
Saitama																									Saitama
Chiba																									Chiba
Tokyo																									Tokyo
Kanagawa																									Kanagawa
Niigata												1												1	Niigata
Toyama			1																					1	Toyama
Ishikawa																									Ishikawa
Fukui																									Fukui
Yamanashi																									Yamanashi
Nagano															1									1	Nagano
Gifu		1																						1	Gifu

Shizuoka																									Shizuoka
Aichi																									Aichi
Mie																									Mie
Shiga																									Shiga
Kyoto																									Kyoto
Osaka																									Osaka
Hyogo		1						1																2	Hyogo
Nara																									Nara
Wakayama																									Wakayama
Tottori																									Tottori
Shimane																									Shimane
Okayama																									Okayama
Hiroshima	1																							1	Hiroshima
Yamaguchi							1																	1	Yamaguchi
Tokushima																									Tokushima
Kagawa																									Kagawa
Ehime		1																						1	Ehime
Kochi																									Kochi
Fukuoka																									Fukuoka
Saga																									Saga
Nagasaki																									Nagasaki
Kumamoto																				1	1			2	Kumamoto
Oita																									Oita

Miyazaki																									Miyazaki
Kagoshima	1																							1	Kagoshima
Okinawa																									Okinawa
total	2	3	1	5			1	2				1	2		1					2	1			21	total

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

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