

Fatal and non-fatal accidents in movie/play service in Japan in 1999-2021

movie/play service industry Code No.10

Type of accidents in movie/play service in 1999-2021

Type of accidents	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Type of accidents
fall from height	18	16	11	20	13	9	14	30	17	17	13	25	12	19	17	21	19	25	19	25	21	17	29	427	fall from height
falling to same level	20	10	10	14	7	15	5	19	14	19	23	7	19	19	17	12	14	17	11	17	9	21	20	339	falling to same level
crash	9	8	2	13	7	4	5	11	4	2	8	11	3	8	2	5	10	6	11	10	11	9	9	168	crash
struck by flying or falling object	3	2	3	6	2	5	8	8	3	3	9	2	5	7	4	4	4	4	3	4	5	3	2	99	struck by flying or falling object
collapse	3	3	5	2	6	1	3	4	2	3	2	3	2	2	2	7	4	1	4	2	2	1	9	73	collapse
crashed by	2	2	7	2	2	1	4	1	6	6	3	2	5	4	1	1	6	4	1	1	4	3	3	71	crashed by
caught in/between	8	5	5	8	7	4	7	3	2	9	3	7	5	6	5	5	8	6	1		7	1	6	118	caught in/between
cut	5	5	7	2	5	7	3	2	7	7	6	2		4	2	5	6	4	4	6	2	4	2	97	cut
injury to the sole of the foot			2										1											3	injury to the sole of the foot
drown	1												1											2	drown
contact to high/low-temperature			1	1	1	2			2	3	1	1	1	2	2		2		2	2	1		1	25	contact to high/low-temperature

contact to harmful substance												1		1										2	contact to harmful substance
electric shock																									electric shock
explosion												2					1							3	explosion
burst																							1	1	burst
fire																				52				52	fire
traffic accident (public road)	9	4	6	13	8	7	3	3	2	5	2	2	7	2	11	5	5	6	2	2	1	2	4	111	traffic accident (public road)
traffic accident (others)		2		2		1		1								1			1					8	traffic accident (others)
reaction to motion/improper motion	11	10	21	17	13	11	14	9	7	9	12	16	22	15	12	15	17	9	16	13	17	11	19	316	reaction to motion/improper motion
others	1			2			15	2	4	1		1	1	1	2	3	2		1	2		4	18	60	others
unclassifiable	1	1		1						1			2						1					7	unclassifiable
total	91	68	80	103	71	67	81	93	70	85	82	82	86	90	77	84	98	82	77	84	132	76	123	1,982	total

Causal agents (large) of fatal and non-fatal accidents in movie/play service in 1999-2021

[illegible]

machine	18	12	11	16	12	11	7	9	3	10	4	6	11	9	15	10	7	13	10	4	7	6	12	223	conveying machine
other equipment	17	13	16	19	16	13	18	9	14	21	8	17	14	19	8	26	22	20	15	20	19	12	22	378	other equipment
temporary buildings, establishments	34	25	20	35	20	15	12	42	24	28	44	25	26	28	27	20	26	29	28	35	27	30	41	641	temporary buildings, establishments
substance, material	4	3	9	3	4	7	6	3	2	4	9	6	4	7	5	4	7	1	3	7	55	1	4	158	substance, material
load	5	2	9	3	5	4	7	7	6	4	3	5	7	6	6	4	9	6	2	1	6	3	7	117	load
environment	2	1	5	6	3	4	3	6	3	2	2	4	7	2	3	4	4	1	2	1	3	6	4	78	environment
others	9	7	7	15	8	9	23	14	10	11	8	17	16	16	11	13	17	9	13	14	15	15	31	308	others
total	91	68	80	103	71	67	81	93	70	85	82	82	86	90	77	84	98	82	77	84	132	76	123	1,982	total

Causal agents (middle) of fatal and non-fatal accidents in movie/play service in 1999-2021

[illegible]

tools	9	5	8	6	6	7	8	5	4	11	1	9	10	7	6	12	12	14	6	15	11	4	10	186	tools
other equipments, facilities	4	5	5	7	3	4	3	2	3	5	3	5	1	6	1	8	5	1	4	2	2	5	7	91	other equipments, facilities
temporary buildings, establishments	34	25	20	35	20	15	12	42	24	28	44	25	26	28	27	20	26	29	28	35	27	30	41	641	temporary buildings, establishments
hazards, harmful substances					1						1	3		1	1		2			1	52			62	hazards, harmful substances
materials	4	3	9	3	3	7	6	3	2	4	8	3	4	6	4	4	5	1	3	6	3	1	4	96	materials
load	5	2	9	3	5	4	7	7	6	4	3	5	7	6	6	4	9	6	2	1	6	3	7	117	load
natural environment	2	1	5	6	3	4	3	6	3	2	2	4	7	2	3	4	4	1	2	1	3	6	4	78	natural environment
other causal agent		1	3	4		3	17	4	4	5	2	3	3	3	2	4	5	1	1	4	4	6	16	95	other causal agent
no causal agent	7	4	4	10	8	6	6	10	5	6	5	14	12	13	9	8	12	8	12	10	11	9	15	204	no causal agent
unclassifiable	2	2		1					1		1		1			1								9	unclassifiable
total	91	68	80	103	71	67	81	93	70	85	82	82	86	90	77	84	98	82	77	84	132	76	123	1,982	total

Causal agents (small) of fatal and non-fatal accidents in movie/play service in 1999-2021

[illegible]

engine																								engine	
power transmission mechanism																1							1	power transmission mechanism	
circular sawing machine			1				2	1	4	2	3	1		2	1	2	2	1	2	1		2	1	28	circular sawing machine
band sawing machine																1								1	band sawing machine
wood planer machine					1			1						1										3	wood planer machine
hollow chisel mortiser, wood borer																									hollow chisel mortiser, wood borer
chamfering machine, router, woodworking milling machine																1								1	chamfering machine, router, woodworking milling machine
chain saw									1															1	chain saw
other woodworking machines										2														2	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

[illegible]

machine																									machine	
food manufacturing machine					2			1	2	1			1		1		1	1							10	food manufacturing machine
printing machine																									printing machine	
industrial robot																									industrial robot	
other general power machines			2				2					1					1		2	1			1		10	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							1																	1	crane	
mobile crane														1										1	mobile crane	
derrick crane																									derrick crane	
elevator, lift								2							1									3	elevator, lift	
cargo lifting appliance																									cargo lifting appliance	
gondola																									gondola	
lumberyard equipment, logging cableway																									lumberyard equipment, logging cableway	

[illegible]

[illegible]

facilities			5		3		3	2	3	5	3	5	1	6	1	8	5	1	4	2	2	5	7	71	facilities
scaffolding			1				3	2	1	1	2	1		1	2	2	1	1	1	1	2		3	25	scaffolding
timbering																									timbering
stairs, landing stage			3		5		2	11	10	10	11	9	9	4	6	6	11	9	7	10	12	10	15	160	stairs, landing stage
opening					1			1		1				1	1				1	1			2	9	opening
roof, beam, haze, crossbeam, principal rafter								1		2	1	1		1	1	2								9	roof, beam, haze, crossbeam, principal rafter
working platform, boot board			3		4		1	7	3	3	6	2	9	5	3	4	3	5	2	3	2	2	2	69	working platform, boot board
passage			5		4		1	5	5	4	13	5	6	10	4	4	3	5	11	7	3	10	9	114	passage
building, establishment			4		4		3	5	1	3	7	4		4	6		3	2	1	6	5	3	5	66	building, establishment
other temporary buildings, establishments			4		2		2	10	4	4	4	3	2	2	4	2	5	7	5	7	3	5	5	80	other temporary buildings, establishments
explosive substance											1	2					1							4	explosive substance
inflammable substance															1					1	52			54	inflammable substance
inflammable gas																									inflammable gas
harmful substance												1												1	harmful substance
radiation																									radiation
other hazards, harmful substances					1									1			1							3	other hazards, harmful substances

metal material			3		1		2		1	2	3	1	2	3	3	2	4			1			1	29	metal material
lumber, bamboo			3		2		1	2		2	2	2	1	2		2	1	1	3	1	1		1	27	lumber, bamboo
stone, sand, substance													1										1	2	stone, sand, substance
other materials			3				3	1	1		3			1	1					4	2	1	1	21	other materials
load			8		4		5	6	5	4	3	3	4	5	5	3	7	3	2	1	4	3	7	82	load
machine/equipment as load			1		1		2	1	1			2	3	1	1	1	2	3			2			21	machine/equipment as load
natural ground, rock			1		2			1	1	1	2	1	1			2	3		1		1	1		18	natural ground, rock
standing tree								1					1											2	standing tree
water			1					1				1	1											4	water
abnormal environment													1											1	abnormal environment
high/cold temperature environment			1								1						1		1		1		1	6	high/cold temperature environment
other environments			2		1		3	3	2			2	3	2	3	2		1		1	1	5	3	34	other environments
other causal agent			3				17	4	4	5	2	3	3	3	2	4	5	1	1	4	4	6	16	87	other causal agent
no causal agent			4		8		6	10	5	6	5	14	12	13	9	8	12	8	12	10	11	9	15	177	no causal agent
unclassifiable									1		1		1			1								4	unclassifiable
total			80		71		81	93	70	85	82	82	86	90	77	84	98	82	77	84	132	76	123	1,653	total

Workers age of fatal and non-fatal accidents in movie/play service in 1999-2021

Age	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Age
19 years old or less	1	3		6	2	1	2	4	4	1	1	1	5	2	2	2		2	1	2	4	2	3	51	19 years old or less
20-29	47	33	47	43	29	31	26	35	22	31	31	34	28	30	26	30	37	32	24	28	61	21	54	780	20-29
30-39	18	14	15	39	18	15	24	29	20	25	21	22	22	18	26	22	27	16	19	15	36	21	28	510	30-39
40-49	11	11	13	8	14	8	15	11	13	18	14	13	19	21	12	17	18	14	16	19	18	12	13	328	40-49
50-59	7	5	4	5	7	5	8	7	6	6	12	11	11	12	9	9	10	13	12	16	9	13	19	216	50-59
60 years old or more	7	2	1	2	1	7	6	7	5	4	3	1	1	7	2	4	6	5	5	4	4	7	6	97	60 years old or more
total	91	68	80	103	71	67	81	93	70	85	82	82	86	90	77	84	98	82	77	84	132	76	123	1,982	total

Workers' number of workplace of fatal and non-fatal accidents in movie/play service in 1999-2021

Workers scale	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Workers scale
9 workers or less	18	13	15	23	11	17	16	18	9	14	14	12	12	16	14	22	16	6	12	17	14	14	17	340	9 workers or less
10-29	22	20	17	35	15	17	19	22	18	24	28	20	14	22	16	23	25	19	17	15	21	17	35	481	10-29
30-49	12	14	23	11	10	11	12	14	5	15	14	13	21	28	20	10	16	17	13	15	11	14	18	337	30-49
50-99	23	8	13	18	19	13	22	18	16	13	12	19	15	16	16	16	22	20	18	21	69	18	33	458	50-99
100-299	14	10	11	13	10	7	11	18	9	12	13	15	19	5	7	9	15	17	11	12	11	7	18	274	100-299
300 workers or more	2	3	1	3	6	2	1	3	13	7	1	3	5	3	4	4	4	3	6	4	6	6	2	92	300 workers or more
total	91	68	80	103	71	67	81	93	70	85	82	82	86	90	77	84	98	82	77	84	132	76	123	1,982	total

Month of fatal and non-fatal accidents in movie/play service in 1999-2021

Month	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Month
January	5	5	4	2	10	8	10	10	8	6	3	7	8	3	7	7	15	6	10	7	3	7	14	165	January
February	9	6	6	9	3	4	8	5	3	7	7	9	7	2	7	4	10	9	6	5	5	6	6	143	February
March	6	4	8	16	7	4	6	7	8	8	11	3	9	8	8	4	11	4	1	6	9	4	9	161	March
April	7	9	7	6	5	3	7	11	7	8	2	9	7	2	3	9	12	7	6	7	10		8	152	April
May	7	9	7	16	7	6	4	7	7	7	8	9	10	5	3	4	4	7	8	10	6	3	12	166	May
June	13	3	7	7	6	7	5	4	2	5	5	5	5	9	11	9	8	10	4	8	7	8	8	156	June
July	8	2	6	13	2	3	5	8	10	12	15	8	10	7	3	11	11	9	9	6	62	5	9	234	July
August	7	4	7	11	8	9	19	16	8	10	11	7	8	10	3	4	10	3	7	13	9	11	19	214	August
September	10	6	8	5	5	6	5	8	7	4	3	7	3	14	9	5	8	5	7	5	10	9	8	157	September
October	6	7	9	9	7	6	5	8	5	7	9	6	10	13	10	11	4	9	5	9	3	7	16	181	October
November	6	8	4	7	6	3	4	4	3	9	4	7	5	8	5	5	3	7	5	5	5	11	7	131	November
December	7	5	7	2	5	8	3	5	2	2	4	5	4	9	8	11	2	6	9	3	3	5	7	122	December
total	91	68	80	103	71	67	81	93	70	85	82	82	86	90	77	84	98	82	77	84	132	76	123	1,982	total

Prefecture of fatal and non-fatal accidents in movie/play service 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	4	2	1		2		2	4	2	4	1	2	3	3	5	2	2	1	1	5	1	4	5	56	Hokkaido
Aomori										1							2						1	4	Aomori
Iwate	1									1										1			1	4	Iwate

Miyagi	2		2				1				1				1	2	1		1		1	1	3	16	Miyagi
Akita	1				1		1		1			1	1		1		1						1	9	Akita
Yamagata			1					1									1							3	Yamagata
Fukushima								1			1								3			2		7	Fukushima
Ibaraki												1								1		1	2	5	Ibaraki
Tochigi					4		1			2		3	3									2	1	16	Tochigi
Gunma								1									1		1		1		1	5	Gunma
Saitama		1	3		3		1	3	3	3	3	1	3	4	1	3	1	2	1	2	4	3	1	46	Saitama
Chiba			1				1	1	1	1		3	5	2	2	4	2	3		2	2	1	1	32	Chiba
Tokyo	37	34	42		26		30	39	25	36	49	42	36	48	48	51	54	53	48	44	47	31	56	876	Tokyo
Kanagawa	3	4	4				5	5	4	5	6	3	4	7	1	2	11	5	5	4	3	4	8	93	Kanagawa
Niigata	2	1			6								1	1						1				12	Niigata
Toyama								1																1	Toyama
Ishikawa	8		1						1	1													1	12	Ishikawa
Fukui	1											1	1				1		1					5	Fukui
Yamanashi									1			1										1		3	Yamanashi
Nagano	3				1				3				1			1							1	10	Nagano
Gifu	1		1					2	1	1			2											8	Gifu
Shizuoka		2	1				1	2	3				1		2	1		1	1	1	3	1	1	21	Shizuoka
Aichi	3	8	6		4		18	2	3	2	3	7	5	1	2	2	2	2	3	4	4	3	4	88	Aichi
Mie		1	1				2							1									6	11	Mie
Shiga								1		1	1		2									1	1	7	Shiga
Kyoto	7	9	7		9		8	16	9	5	3	4	6	10	1	6	1	2	1	6	53	1	3	167	Kyoto

Osaka	5		2		5		5	5	3	12	4	2	2	7	4	4	5	1	4	4	4	6	10	94	Osaka
Hyogo					1		1	1	1	1	1	2	2	2			3	1	4	3	5	3	6	37	Hyogo
Nara										1												1		2	Nara
Wakayama	1																					1		2	Wakayama
Tottori																									Tottori
Shimane											1						1							2	Shimane
Okayama											1	1			2									4	Okayama
Hiroshima	2	1							2	1	1	1	1			1	2	1		1	1			15	Hiroshima
Yamaguchi	1	1																						2	Yamaguchi
Tokushima	1				1																			2	Tokushima
Kagawa																		2				2		4	Kagawa
Ehime								1						1					2	1		1		6	Ehime
Kochi														1		1								2	Kochi
Fukuoka	5	1	6		5		3	2	5	2	5	3	1		3	3	4	6		4	1	2	4	65	Fukuoka
Saga									1		1					1							1	4	Saga
Nagasaki		1			1			1				1		1	1								1	7	Nagasaki
Kumamoto	1							1		2		1	3				2				1	2		13	Kumamoto
Oita	1				1				1	1			1		2		1	1				1	1	11	Oita
Miyazaki							1	1		2			1									1		6	Miyazaki
Kagoshima													1	1	1									3	Kagoshima
Okinawa	1	2	1		1			2				2						1	1		1		2	14	Okinawa
total	91	68	80		71		81	93	70	85	82	82	86	90	77	84	98	82	77	84	132	76	123	1,812	total

[illegible]

injury to the sole of the foot																									injury to the sole of the foot
drown	1																							1	drown
contact to high/low-temperature																									contact to high/low-temperature
contact to harmful substance																									contact to harmful substance
electric shock																									electric shock
explosion												1												1	explosion
burst																									burst
fire																				36			36	fire	
traffic accident (public road)	1		1	3	1	1							2					1					1	11	traffic accident (public road)
traffic accident (others)						1																		1	traffic accident (others)
reaction to motion/improper motion																									reaction to motion/improper motion
others									1										1					2	others
unclassifiable																									unclassifiable
total	3		2	3	2	2		2	1			1	2	1		1	1	1	1	1	36	1	2	63	total

Causal agents (large) of fatal accidents in movie/play service 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																									machine
crane, conveying machine	1		1	3	2	2							2					1					1	13	crane, conveying machine
other equipment																1								1	other equipment
temporary buildings, establishments	1		1					2						1			1			1			1	8	temporary buildings, establishments
substance, material												1									36			37	substance, material
load																									load
environment																						1		1	environment
others	1								1										1					3	others
total	3		2	3	2	2		2	1			1	2	1		1	1	1	1	1	36	1	2	63	total

Causal agents (middle) of fatal accidents in movie/play service in 1999-2021

[illegible]

[illegible]

[illegible]

total	3	2	3	2	2		2	1			1	2	1		1	1	1	1	1	36	1	2	63	total
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Causal agents (small) of fatal accidents in movie/play service in 1999-2021

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

hand tool																									hand tool
ladder																									ladder
slinging tool																									slinging tool
other tools																									other tools
other equipment, facilities														1									1		other equipment, facilities
scaffolding																									scaffolding
timbering																									timbering
stairs, landing stage																						1	1		stairs, landing stage
opening	1																						1		opening
roof, beam, haze, crossbeam, principal rafter																									roof, beam, haze, crossbeam, principal rafter
working platform, boot board																									working platform, boot board
passage								1															1		passage
building, establishment			1										1		1			1					4		building, establishment
other temporary buildings, establishments								1															1		other temporary buildings, establishments
explosive substance											1												1		explosive substance
inflammable substance																				36			36		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																									standing tree
water																									water
abnormal environment																									abnormal environment
high/cold temperature environment																									high/cold temperature environment
other environments																									other environments
other causal agent	1																							1	other causal agent

no causal agent									1									1					2	no causal agent	
unclassifiable																								unclassifiable	
total	3		2	3	2	2		2	1			1	2	1		1	1	1	1	1	36	1	2	63	total

Workers age of fatal accidents in movie/play service in 1999-2021

Age	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Age
19 years old or less				1				1																2	19 years old or less
20-29	1		2	1		1							1					1	1	1	17		1	27	20-29
30-39				1		1		1	1			1	1			1					11			18	30-39
40-49	1				2									1							7			11	40-49
50-59																						1		1	50-59
60 years old or more	1																1				1		1	4	60 years old or more
total	3		2	3	2	2		2	1			1	2	1		1	1	1	1	1	36	1	2	63	total

Workers' number of workplace of fatal accidents in movie/play service in 1999-2021

Workers scale	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Workers scale
9 workers or less	1			1		1		2				1	1	1			1					1		10	9 workers or less
10-29	1		2	1									1							1				6	10-29
30-49						1										1		1						3	30-49
50-99					1																36		2	39	50-99

100-299	1																		1					2	100-299
300 workers or more				1	1				1															3	300 workers or more
total	3		2	3	2	2		2	1			1	2	1		1	1	1	1	1	36	1	2	63	total

Month of fatal accidents in movie/play service in 1999-2021

Month	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Month
January													1				1		1					3	January
February			1									1												2	February
March						1										1								2	March
April									1															1	April
May				1	2			1										1						5	May
June						1														1		1		3	June
July	1																				36			37	July
August								1																1	August
September																									September
October	1		1	2										1									2	7	October
November	1																							1	November
December													1											1	December
total	3		2	3	2	2		2	1			1	2	1		1	1	1	1	1	36	1	2	63	total

Prefecture of fatal accidents in movie/play service in 1999-2021

[illegible]

[illegible]

Miyazaki																										Miyazaki
Kagoshima																										Kagoshima
Okinawa																										Okinawa
total	3		2	3	2	2		2	1			1	2	1		1	1	1	1	1	36	1	2	63	total	

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

Return to https://www.jisha.or.jp/english/statistics/2021e_industry.html