movie/play service industry Code No.1001

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																									contact to
												1		1										2	harmful
substance																									substance
electric shock																									electric shock
explosion												2					1							3	explosion
burst																							1	1	burst
fire																					52			52	fire
traffic accident (public	9	4	6	13	8	7	3	3		5	2	2	7	2	11	5	5	6	2	2	1	2	4	111	traffic accident
road)	9	4	0	13	0		3	3	2	5	2	2		2	11	3	3	0	2	2	I	2	4	111	(public road)
traffic accident		2		2		1		1								1			1					8	traffic accident
(others)		2		2				•											I						(others)
reaction to																									reaction to
motion/improper	11	10	21	17	13	11	14	9	7	9	12	16	22	15	12	15	17	9	16	13	17	11	19	316	motion/improper
motion																									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

Causal (L) agents	1000	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)
Causar (L) agents		2000	2001	2002	2003	2004	2003	2000	2007	2000	2007	2010	2011	2012	2013	2014	2013	2010	2017	2010	2017	2020	2021	II I	agents
machine	2	5	3	6	3	4	5	3	8	5	4	2	1	3	2	3	6	3	4	2		3	2	79	machine
crane, conveying																									crane,

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																									machine
athor aguinment	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
other equipment		13	10	19	10	13	10	9	14	21	0	17	14	19	0	20		20	13	20	19	12	22	3/6	equipment
tompovom buildings																									temporary
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	buildings,
establishments																									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,
substance, material																			5					156	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

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		1															1							2	power transmission mechanism
woodworking machine		3	1	2	1	2	2	2	5	4	3	1		3	1	3	3	1	2	1		2	1	43	woodworking machine

construction machine				1			1		1									1						4	construction
																									machine
metal manufacturing	1	1																				1		3	metal manufacturing
machine																									machine
a a sa a sa da sa a bi sa a	1		_	,	_	_	2	1		1	1	1	1		1			1	,	1			1	27	general
general machine	ľ		2	3	2	2	2	I	2	I	I	I	I		ľ		2	I	2	ľ			I	27	machine
mobile silviculture																									mobile
machine																									silviculture
																									machine
crane		2	1				1	3		2			1	1	1			1	1		1			15	crane
conveying machine	2	1	2	2	2	5	2	2	1	1	1	1	3	3	2	5	1	4	3	2	4	1	4	54	conveying machine
vehicle	16	9	8	14	10	6	4	4	2	7	3	5	7	5	12	5	6	8	6	2	2	5	8	154	vehicle
pressure vessel												1				1	1						1	4	pressure vessel
chemical facilities																									chemical
Chemical facilities																									facilities
welding equipment																									welding
weiding equipment																									equipment
kiln, caldron																									kiln, caldron
electric equipment		1			1			1	1						1					1			1	7	electric
creetire equipment					Ľ			'							Ľ									,	equipment
human power machine,	4	2	3	6	6	2	7	1	6	5	4	2	3	6		5	4	5	5	2	6	3	3	90	human power
tools	Ŀ							Ĺ			Ĺ						Ĺ								machine, tools

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,	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
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

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													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																				foundation work machine

<u></u>	 		 	 	 								
hardening machine													hardening machine
demolition machine													demolition machine
vehicle for high lift work			1						1			2	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											1	1	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)					1							1	roll machine (except printingroll machine)
injection molding													injection molding

machine																			machine
food manufacturing machine			2		1	2	1		1		1	1	1					10	food manufacturing
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
skyline yarding machine																			skyline yarding machine
other mobile																			other mobile
silviculture machine																			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																			cargo lifting appliance
gondola																			gondola
lumberyard																			lumberyard
equipment, logging																			equipment, logging
cableway																			cableway

	 <u> </u>		<u> </u>		<u> </u>		<u> </u>	<u> </u>		<u> </u>		<u> </u>		<u> </u>										
simple skyline yarding equipment																								simple skyline yarding equipment
other powered crane		1					1		2			1					1	1		1			8	other powered crane
truck				1		2	2	1	1		1	2	2	2	4	1	3	2	2	4	1	3	34	truck
forklift												1	1		1			1				1	5	forklift
railway equipment																								railway equipment
conveyor																								conveyor
loader																								loader
straddle carrier																								straddle carrier
rough terrain hauler																								rough terrain hauler
other powered conveying machines		2		1						1							1						5	other powered conveying machines
cars, bus,		8		10		4	2	2	7	2	4	7	4	12	5	6	8	5	2	2	4	7	101	cars, bus, motorcycle
railway vehicle							1																1	railway vehicle
other vehicles							1			1	1		1					1			1	1	7	other vehicles
boiler																								boiler
pressure vessel																								pressure vessel
other pressure vessels											1				1	1						1	4	other pressure vessels
chemical facilities																								chemical facilities
gas welding																								gas welding

equipment																						equipment
arc welding																						arc welding
equipment																						equipment
other welding																						other welding
equipment																						equipment
kiln, caldron																						kiln, caldron
industrial dryer																						industrial dryer
other kiln, caldron																						other kiln, caldron
transmission			1									1									2	transmission
electric power																						electric power
facilities																						facilities
other electrical																						other electrical
equipment					1												1				4	equipment
human power																						human power
cranes		1																		1	2	cranes
human power																		_			50	human power
hauling equipment			3	3		4	3	3	2	3	5		3	3	4	4	ľ	5	2	2	50	hauling equipment
human power																						human power
machine																					3	machine
hand tool		2	3	4	1	2	1				1		2	1		1	1	1	1		21	hand tool
ladder		3	1	4	5	4	4	1	7	6	5	5	9	7	9	5	8	7	1	7	98	ladder
slinging tool																						slinging tool
other tools		5	5	4			7		2	4	2	1	3	5	5	1	7	4	3	3	61	other tools
other equipment,																						other equipment,

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									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,			1								1			1							3	other hazards, harmful substances

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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,										1										1	2	stone, sand,
substance																						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		1	1	2	1	1			2	3	1	1	1	2	3			2			21	machine/equipment
as load			<b>'</b>		<u> </u>								<u> </u>								21	as load
natural ground,		1	2		1	1	1	2	1	1			2	3		1		1	1		18	natural ground,
rock						<u> </u>																rock
standing tree					1					1											2	standing tree
water		1			1				1	1											4	water
abnormal										1											1	abnormal
environment																						environment
high/cold																						high/cold
temperature		1					1							1		1		1		1	6	temperature
environment																						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

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	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			•																					ll l	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	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											•				_	•	•			•					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	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
Iwate 1 1 1 4 Iwate	Aomori										1							2						1	4	Aomori
	lwate	1									1										1			1	4	lwate

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

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: <a href="https://anzeninfo.mhlw.go.jp/user/anzen/tok/anst00.htm">https://anzeninfo.mhlw.go.jp/user/anzen/tok/anst00.htm</a> (MHLW, Japan)

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Fatal accidents in movie/play service in Japan in 1999-2021

movie/play service industry Code No.1001

Type of fatal 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	1		1		1			2						1		1	1					1	1	10	fall from height
falling to same level																									falling to same
J																									level
crash																				1				1	crash
struck by flying or																									struck by flying
falling object																									or falling object
collapse																									collapse
crashed by																									crashed by
caught in/between																									caught
caugiit iii/ betweeii																									in/between
cut																									cut

<u> </u>		 				 		 				 									
injury to the sole of the foot																					injury to the sole
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 (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

Causal (M) agents	1000	2000	2001	2002	2003	2004	2005	2006	2007	2008	2000	2010	2011	2012	2013	2014	2015	2016	2017	2018	2010	2020	2021	total	Causal (M)
ausai (M) ageilts	1999	2000	2001	2002	2003	2004	2003	2000	2007	2008	2009	2010	2011	2012	2013	2014	2013	2010	2017	2010	2019	2020	2021	totai	agents

engine																	engine
power transmission mechanism																	power transmission mechanism
woodworking machine																	woodworking machine
construction machine																	construction machine
metal manufacturing machine																	metal manufacturing machine
general machine																	general machine
mobile silviculture machine																	mobile silviculture machine
crane																	crane
conveying machine					1				1							2	conveying machine
vehicle	1	1	3	2	1				1			1			1	11	vehicle
pressure vessel																	pressure vessel
chemical facilities																	chemical facilities
welding equipment																	welding equipment

<u> </u>	_	_		 1		<u> </u>	<u> </u>	<u> </u>						<u> </u>	]							_
kiln, caldron																						kiln, caldron
electric equipment																						electric
																						equipment
human power machine,																						human power
tools																						machine, tools
tools																						tools
other equipments,																						other
facilities													1								1	equipments,
lucinics																						facilities
tampayan, buildings																						temporary
temporary buildings, establishments	1		1			2					1			1			1			1	8	buildings,
establishments																						establishments
																						hazards,
hazards, harmful									1									36			37	harmful
substances																						substances
materials																						materials
load																						load
																			1		1	natural
natural environment																			I			environment
ather sausal agent	1																				1	other causal
other causal agent	ľ																					agent
no causal agent							1									1					2	no causal
no causal agent																l L						agent
unclassifiable																						unclassifiable
	===	====		 	 	-		-		=		==		-							-	

total	3		1) 1	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

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																									power transmission
mechanism																									mechanism
circular sawing																									circular sawing
machine																									machine
band sawing																									band sawing
machine																									machine
wood planer																									wood planer
machine																									machine
hollow chisel																									hollow chisel
mortiser, wood																									mortiser, wood
borer																									borer
chamfering																									chamfering
machine, router,																									machine, router,
woodworking																									woodworking
milling machine																									milling machine
chain saw																									chain saw
other woodworking																									other woodworking
machines																									machines

leveling,												leveling,
transporting or												transporting or
loading machine												loading machine
excavating machine												excavating machine
foundation work												foundation work
machine												machine
hardening machine												hardening machine
demolition machine												demolition machine
vehicle for high lift												vehicle for high lift
work												work
other construction												other construction
machines												machines
lathe												lathe
drill press, milling												drill press, milling
machine												machine
grinding machine,												grinding machine,
buffing machine												buffing machine
power press												power press
forging pressure												forging pressure
hammer												hammer
shearing machine												shearing machine
other metal												other metal
manufacturing												manufacturing
machines												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
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
	11		11	11								11		

cargo lifting																	cargo lifting
appliance																	appliance
gondola																	gondola
lumberyard																	lumberyard
equipment, logging																	equipment, logging
cableway																	cableway
simple skyline																	simple skyline
yarding equipment																	yarding equipment
other powered																	other powered
crane																	crane
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																	other powered
conveying machines																	conveying machines
cars, bus,	1											1			1	10	cars, bus,
motorcycle	I		3	2								1			1	10	motorcycle
railway vehicle																	railway vehicle
other vehicles					1											1	other vehicles
boiler																	boiler

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

hand tool																hand tool
ladder																ladder
slinging tool																slinging tool
other tools																other tools
other equipment,									1						1	other equipment,
scaffolding																scaffolding
timbering																timbering
stairs, landing stage														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,														other hazards,
harmful substances														harmful substances
metal material														metal material
lumber, bamboo														lumber, bamboo
stone, sand,														stone, sand,
substance														substance
other materials														other materials
load														load
machine/equipment														machine/equipment
as load														as load
natural ground,												1	1	natural ground,
rock														rock
standing tree														standing tree
water														water
abnormal														abnormal
environment														environment
high/cold														high/cold
temperature														temperature
environment														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	1																1				1		1	4	60 years old or
more																									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
			$\Box$		$\Box$					$\Box$		$\Box$	$\Box$					$\Box$							

100-299	1														1					2	100-299
300 workers or			1	1			1													2	300 workers or
more			I	<u> </u>																3	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	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																									Hokkaido
Aomori																									Aomori
lwate																									lwate
Miyagi																									Miyagi
Akita																									Akita
Yamagata																									Yamagata
Fukushima																									Fukushim
Ibaraki																									Ibaraki
Tochigi													1											1	Tochigi
Gunma																									Gunma
Saitama													1											1	Saitama
Chiba																1								1	Chiba
Tokyo	2		1	2	1			1	1					1				1	1	1			2	14	Tokyo
Kanagawa																	1							1	Kanagawa
Niigata	1																							1	Niigata
Toyama																									Toyama
Ishikawa			1																					1	Ishikawa
Fukui																									Fukui
Yamanashi																									Yamanasl
Nagano						1																		1	Nagano
Gifu																									Gifu

Shizuoka					1									I	Shizuoka
Aichi							1							I	Aichi
Mie															Mie
Shiga															Shiga
Kyoto												36		36	Kyoto
Osaka			1										1	2	Osaka
Hyogo															Hyogo
Nara															Nara
Wakayama															Wakayama
Tottori															Tottori
Shimane															Shimane
Okayama															Okayama
Hiroshima															Hiroshima
Yamaguchi															Yamaguchi
Tokushima															Tokushima
Kagawa															Kagawa
Ehime															Ehime
Kochi															Kochi
Fukuoka		1												I	Fukuoka
Saga															Saga
Nagasaki															Nagasaki
Kumamoto															Kumamoto
Oita				1											Oita

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: <a href="https://anzeninfo.mhlw.go.jp/user/anzen/tok/anst00.htm">https://anzeninfo.mhlw.go.jp/user/anzen/tok/anst00.htm</a> (MHLW, Japan)

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