

Fatal and non-fatal accidents in park and amusement park in Japan in 1999-2021

park and amusement park industry Code No.140302

Type of accidents in park and amusement park 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	24	30	36	37	20	25	19	29	26	25	38	21	33	30	21	28	24	28	32	39	49	32	24	670	fall from height
falling to same level	38	31	67	43	44	38	34	43	28	40	54	35	47	47	53	48	52	53	70	76	66	53	54	1,114	falling to same level
crash	8	6	13	13	10	13	15	5	9	7	12	10	16	13	6	12	17	16	11	13	14	11	15	265	crash
struck by flying or falling object	7	8	12	9	6	9	8	5	6	6	7	4	7	12	6	7	9	9	6	6	4	5	5	163	struck by flying or falling object
collapse	3	3	4	5	1	1	1	2	4	2		6		1		1	2		1	4			2	43	collapse
crashed by	7	5	10	16	11	10	9	4	9	11	8	11	10	7	9	18	24	14	12	20	15	9	3	252	crashed by
caught in/between	13	21	19	14	20	17	12	12	17	16	15	10	6	19	15	15	11	13	13	14	18	8	11	329	caught in/between
cut	13	8	15	19	6	5	3	9	7	11	12	5	3	11	11	7	13	12	13	9	10	10	10	222	cut
injury to the sole of the foot	1								1			1			1		2	1		1	1	1		10	injury to the sole of the foot
drown						1																		1	drown
contact to high/low-temperature	6	5	14	10	2	5	1	9	2	6	4	1	6	4	5	4	5	14	8	11	9	7	2	140	contact to high/low-temperature

contact to harmful substance		1						1	1					1	1		2		1					8	contact to harmful substance
electric shock																			1					1	electric shock
explosion																	1				1			2	explosion
burst																									burst
fire														1			1							2	fire
traffic accident (public road)	5	3	6				1		2	1	1	1	1	3	1			2	2	1	3	1	4	38	traffic accident (public road)
traffic accident (others)										1							1			1				3	traffic accident (others)
reaction to motion/improper motion	17	19	25	22	23	23	28	14	18	30	61	40	63	72	55	54	65	88	112	107	170	55	85	1,246	reaction to motion/improper motion
others	3	4	4	3	2	2	6	3		4	6	30	8	4		3	3	5	5	3	7	6	5	116	others
unclassifiable	1			1		1	1	1			1	1	1	1	1	2	2		2	2		1		19	unclassifiable
total	146	144	225	192	145	150	138	137	130	160	219	176	201	226	185	199	234	255	289	307	367	199	220	4,644	total

Causal agents (large) of fatal and non-fatal accidents in park and amusement park in 1999-2021

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machine	16	23	28	16	17	14	14	9	13	12	17	10	6	9	16	13	12	18	15	20	15	10	20	343	conveying machine
other equipment	33	25	58	39	27	33	20	32	20	35	31	26	45	33	29	28	32	39	47	53	60	42	28	815	other equipment
temporary buildings, establishments	54	38	68	59	53	54	43	45	44	49	67	43	68	76	52	61	68	74	86	89	82	68	56	1,397	temporary buildings, establishments
substance, material	6	14	6	11	7	7	4	4	9	2	6	3	1	7	4	3	6	3	4	7	8	4	4	130	substance, material
load	6	5	9	9	6	2	6	7	6	10	6	6	11	13	7	7	8	10	10	11	16	5	6	182	load
environment	10	11	19	29	11	15	14	15	13	17	20	11	16	22	21	17	16	28	30	34	40	20	16	445	environment
others	7	17	26	14	18	15	32	15	15	22	61	70	51	53	46	61	80	71	82	88	140	42	80	1,106	others
total	146	144	225	192	145	150	138	137	130	160	219	176	201	226	185	199	234	255	289	307	367	199	220	4,644	total

Causal agents (middle) of fatal and non-fatal accidents in park and amusement park in 1999-2021

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tools	14	14	20	13	7	14	6	18	12	18	15	14	24	17	15	14	16	15	21	36	32	20	15	390	tools
other equipments, facilities	11	6	17	12	6	12	6	8	2	3	5	5	9	5	5	7	6	10	11	6	9	15	5	181	other equipments, facilities
temporary buildings, establishments	54	38	68	59	53	54	43	45	44	49	67	43	68	76	52	61	68	74	86	89	82	68	56	1,397	temporary buildings, establishments
hazards, harmful substances	3	2	1	5	1	2		2	3	1			1	1	1	1	2	1	1		1	1		30	hazards, harmful substances
materials	3	12	5	6	6	5	4	2	6	1	6	3		6	3	2	4	2	3	7	7	3	4	100	materials
load	6	5	9	9	6	2	6	7	6	10	6	6	11	13	7	7	8	10	10	11	16	5	6	182	load
natural environment	10	11	19	29	11	15	14	15	13	17	20	11	16	22	21	17	16	28	30	34	40	20	16	445	natural environment
other causal agent	3	5	17	7	9	7	11	10	9	12	30	11	17	19	12	9	22	39	54	33	39	7	12	394	other causal agent
no causal agent	2	11	9	6	8	7	21	5	6	9	30	53	34	31	34	48	55	29	26	53	99	35	68	679	no causal agent
unclassifiable	2	1		1	1	1				1	1	6		3		4	3	3	2	2	2			33	unclassifiable
total	146	144	225	192	145	150	138	137	130	160	219	176	201	226	185	199	234	255	289	307	367	199	220	4,644	total

Causal agents (small) of fatal and non-fatal accidents in park and amusement park in 1999-2021

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engine																							1	1	engine
power transmission mechanism					1				2	1				1		1	2		1					9	power transmission mechanism
circular sawing machine			2				1	1		2	1			2	3		1		1		1			15	circular sawing machine
band sawing machine																									band sawing machine
wood planer machine					1									1			1					1		4	wood planer machine
hollow chisel mortiser, wood borer																				1				1	hollow chisel mortiser, wood borer
chamfering machine, router, woodworking milling machine																									chamfering machine, router, woodworking milling machine
chain saw											3			2	1	1	1	3	1	2		2	3	19	chain saw
other woodworking machines								1	2	1	1	1		1			1		1		2	1	1	13	other woodworking machines
leveling, transporting or loading machine			1							2								1						4	leveling, transporting or loading machine
excavating machine										1								1	3					5	excavating machine
foundation work machine																									foundation work machine

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machine																									machine
food manufacturing machine				2	1	2		1				2	2	2	2	1	1		1	17					food manufacturing machine
printing machine																									printing machine
industrial robot																									industrial robot
other general power machines		6	2	3	6	4	6	4	4	1	6	4	2	4	4	6	1	2	4	4	73				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		1																					1		elevator, lift
cargo lifting appliance																									cargo lifting appliance
gondola								1															1		gondola
lumberyard equipment, logging cableway																									lumberyard equipment, logging cableway

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facilities			17		6		6	8	2	3	5	5	9	5	5	7	6	10	11	6	9	15	5	140	facilities
scaffolding			1						1			1							2					5	scaffolding
timbering																									timbering
stairs, landing stage			9		10		10	13	11	11	13	3	17	21	10	14	20	18	20	19	18	16	12	265	stairs, landing stage
opening			2					1	1					1						1		1		7	opening
roof, beam, haze, crossbeam, principal rafter					1		1		1		2		2	1	1		1	1	1	1	2			15	roof, beam, haze, crossbeam, principal rafter
working platform, boot board			5		8		3	1	3	11	6	6	5	4	4	12	13	5	9	13	9	9	4	130	working platform, boot board
passage			34		18		12	13	10	12	21	10	14	26	24	23	16	29	38	30	31	32	29	422	passage
building, establishment			10		9		5	8	11	6	16	8	20	8	8	1	8	10	7	11	7	6	3	162	building, establishment
other temporary buildings, establishments			7		7		12	9	6	9	9	15	10	15	5	11	10	11	9	14	15	4	8	186	other temporary buildings, establishments
explosive substance																									explosive substance
inflammable substance			1										1	1			1					1		5	inflammable substance
inflammable gas																	1	1						2	inflammable gas
harmful substance																1								1	harmful substance
radiation																									radiation
other hazards, harmful substances					1			2	3	1					1				1		1			10	other hazards, harmful substances

metal material					3		2	1	3		2			3	1		1	1		1	1	1	1	21	metal material
lumber, bamboo			2		1		2	1	1		1	1		1	1		1	1	1	2	2	1	2	21	lumber, bamboo
stone, sand, substance					1						1						1			2				5	stone, sand, substance
other materials			3		1				2	1	2	2		2	1	2	1		2	2	4	1	1	27	other materials
load			8		4		5	7	6	9	6	6	11	12	7	7	8	10	10	10	16	4	6	152	load
machine/equipment as load			1		2		1			1				1						1		1		8	machine/equipment as load
natural ground, rock			2		2		5	2	5	1	4		6	6	5	3	3	8	3	3	3	4	4	69	natural ground, rock
standing tree			3		1		2	2	5	4	4	3	5	3	2	4	6	1	6	9	7	3	4	74	standing tree
water			1		1				1			2	1				1	1						8	water
abnormal environment										2				1					3		1	1		8	abnormal environment
high/cold temperature environment					1		1	1		1			3	2	5	2	2	9	1	6	5	2	1	42	high/cold temperature environment
other environments			13		6		6	10	2	9	12	6	1	10	9	8	4	9	17	16	24	10	7	179	other environments
other causal agent			17		9		11	10	9	12	30	11	17	19	12	9	22	39	54	33	39	7	12	372	other causal agent
no causal agent			9		8		21	5	6	9	30	53	34	31	34	48	55	29	26	53	99	35	68	653	no causal agent
unclassifiable					1					1	1	6		3		4	3	3	2	2	2			28	unclassifiable
total			225		145		138	137	130	160	219	176	201	226	185	199	234	255	289	307	367	199	220	4,012	total

Workers age of fatal and non-fatal accidents in park and amusement park 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	12	6	11	17	12	15	9	4	4	6	5	4	9	6	8	8	15	7	6	15	13	10	4	206	19 years old or less
20-29	44	55	89	67	53	53	55	36	42	51	73	64	83	76	61	67	78	88	95	101	136	42	59	1,568	20-29
30-39	18	8	26	29	23	27	19	27	28	26	53	38	33	49	32	30	41	39	51	47	72	27	37	780	30-39
40-49	15	19	23	19	14	10	13	20	14	12	24	23	17	25	15	20	40	38	33	37	38	23	30	522	40-49
50-59	20	20	36	29	17	21	21	26	23	35	23	22	27	32	36	24	25	34	38	39	36	34	35	653	50-59
60 years old or more	37	36	40	31	26	24	21	24	19	30	41	25	32	38	33	50	35	49	66	68	72	63	55	915	60 years old or more
total	146	144	225	192	145	150	138	137	130	160	219	176	201	226	185	199	234	255	289	307	367	199	220	4,644	total

Workers' number of workplace of fatal and non-fatal accidents in park and amusement park 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	20	16	18	21	16	14	6	15	12	14	15	10	10	15	11	11	10	12	14	13	14	6	11	304	9 workers or less
10-29	17	32	25	33	31	20	13	17	21	24	23	21	15	19	15	17	28	23	34	31	29	30	25	543	10-29
30-49	15	13	22	15	13	26	16	12	8	19	18	20	16	12	13	22	17	21	20	23	20	20	20	401	30-49
50-99	21	27	21	22	13	15	19	19	12	19	29	12	29	19	29	22	13	27	22	20	30	19	18	477	50-99
100-299	27	20	40	28	21	25	27	23	25	21	27	16	12	27	19	23	29	30	23	27	19	28	24	561	100-299
300 workers or more	46	36	99	73	51	50	57	51	52	63	107	97	119	134	98	104	137	142	176	193	255	96	122	2,358	300 workers or more
total	146	144	225	192	145	150	138	137	130	160	219	176	201	226	185	199	234	255	289	307	367	199	220	4,644	total

Month of fatal and non-fatal accidents in park and amusement park 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	8	23	13	11	9	16	10	4	13	13	10	12	15	25	19	25	25	21	24	23	23	31	381	January
February	15	8	10	23	9	8	4	12	10	26	9	14	15	16	5	22	17	12	23	27	28	38	10	361	February
March	17	9	23	18	12	14	18	15	9	14	13	13	10	20	13	12	17	18	27	16	26	10	6	350	March
April	17	13	15	16	13	12	9	4	5	11	25	14	13	23	22	17	21	25	21	19	34	6	18	373	April
May	10	9	11	15	13	17	9	11	16	9	23	19	13	14	11	17	22	24	34	25	36	8	18	384	May
June	14	12	17	15	12	12	5	16	14	8	24	21	11	19	18	14	13	15	24	26	23	12	17	362	June
July	12	11	24	16	14	11	12	9	15	17	18	13	17	22	20	19	22	19	26	39	26	18	21	421	July
August	14	18	27	16	19	15	18	18	18	14	21	19	22	23	21	22	19	29	33	29	42	18	24	499	August
September	5	22	16	12	9	15	11	17	9	10	15	10	14	11	12	20	21	23	18	30	46	13	22	381	September
October	16	14	16	20	16	10	12	11	10	11	23	16	25	19	13	7	22	23	23	27	27	15	14	390	October
November	9	10	23	15	9	10	18	7	9	14	14	16	31	24	13	18	21	23	19	23	26	22	18	392	November
December	9	10	20	13	8	17	6	7	11	13	21	11	18	20	12	12	14	19	20	22	30	16	21	350	December
total	146	144	225	192	145	150	138	137	130	160	219	176	201	226	185	199	234	255	289	307	367	199	220	4,644	total

Prefecture of fatal and non-fatal accidents in park and amusement park 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	7	10	7		5		10	5	8	6	22	9	3	9	7	6	8	7	8	6	9	1	3	156	Hokkaido
Aomori					1									1		1	1				1	1		6	Aomori
Iwate			9		1					1	1	3			2	2		2	1	3				25	Iwate

Miyagi	3	3	3		2		1		1	1	2	4	1			2					1		2	26	Miyagi
Akita	1	1	1		2		1					1		1	1		1					1		11	Akita
Yamagata	1											1		1				1		1			2	7	Yamagata
Fukushima	2	7	4		1		1	1				2		1				2	2	4		2		29	Fukushima
Ibaraki	1	5					1	1		2	1	1	1	1	3			2	4	2	2	2	3	32	Ibaraki
Tochigi	3	4	4		2		3	10	3	3	3	3	2	8	5	7	6	5	5	5	2	7	4	94	Tochigi
Gunma	2		1		1		1	4	2	5	6	4	6	1	4	7	1	6	4	3	2	5	2	67	Gunma
Saitama	6		1		4		2	3	5	4	7	6	4	4	5	2	3	4	4	6	6	4	4	84	Saitama
Chiba	35	30	88		39		40	32	34	49	90	85	103	102	68	73	98	96	133	151	215	52	87	1,700	Chiba
Tokyo	4	9	12		8		3	5	7	9	11	3	9	4	5	5	3	10	9	8	9	10	5	148	Tokyo
Kanagawa	3	2	6		3		2	3	6	4	2	6	5	6	7	9	9	9	7	9	10	15	12	135	Kanagawa
Niigata	1	2	1					3	3	1		2	1	1	3	1		2	1	1	1	1		25	Niigata
Toyama	1	1	1		1					2		2	1		1	2		1	4		2	3	1	23	Toyama
Ishikawa	1	5	2				1	2				1	1	1		1		2	1	2	1			21	Ishikawa
Fukui	1							1		1	1		1			1			2	1			2	11	Fukui
Yamanashi			1		2		1	1	1	2	1		1	2	1		4			4		1		22	Yamanashi
Nagano	3	3	3		1		1	1	1	3		2		2		2	1		3	1	1	5	2	35	Nagano
Gifu	5	3	2		5		4	1	1	4	2	1	2	1	1	2		2	2	3	3	4	3	51	Gifu
Shizuoka	1	5	5		4		7	3	4	8	10	4	3	2	7	9	5	6	8	6	11	2	7	117	Shizuoka
Aichi	4	3	1		1		3	5	2	3	1	3	1	2	3	6	9	6	6	7	4	8	5	83	Aichi
Mie	5		4		1		4	3	1	8	8	4	8	6	10	11	5	7	14	10	9	7	8	133	Mie
Shiga	3	1					3		1	1	3	1	2	4	7	3	1				3	3		36	Shiga
Kyoto	1		1		1			2	1	1	1	2		2		2	3		3	1		1	2	24	Kyoto

Osaka	7	7	13		15		17	13	11	10	13	4	17	21	15	14	15	24	21	22	23	19	20	321	Osaka
Hyogo	10	9	12		13		5	2	8	6	5	2	6	7	4	7	1	4	7	6	7	5	8	134	Hyogo
Nara								1	3			2	2	3	1	1	1				1			15	Nara
Wakayama	1		1		4		3	1	2	1	2		1	2	1	2		2	3	2	2	1		31	Wakayama
Tottori					1		1	1			2			1						1	2	2	1	12	Tottori
Shimane		2	3				1	2				3			1		1			2			1	16	Shimane
Okayama	6	1	5		5		4	3	1		1	1	2		3	1	1	1	2	2	3		2	44	Okayama
Hiroshima		4	4				1		1			1			1			1	1	3	4	4	5	30	Hiroshima
Yamaguchi	2		1		4		1			1	1		1	1		1	1			1	2	1	3	21	Yamaguchi
Tokushima		4	1									1	1											7	Tokushima
Kagawa	2	2	1		1		1	1	2	1	2		1	2	2	2	4	7	6	2	3	3	1	46	Kagawa
Ehime	4	1	1				1	2		2				2	2			1	1	1	6	2	2	28	Ehime
Kochi	2									2							6	2					3	15	Kochi
Fukuoka	2	2	8		3		2	6	2	1	4	2	3	2	4	6	3	5	1	2	3	4		65	Fukuoka
Saga	1								1				1	1	1		1			1				7	Saga
Nagasaki	5	3	3		2		3	12	4	4	10	2	3	7	4	4	18	14	10	10	8	6	7	139	Nagasaki
Kumamoto	2	3	5		2		2	1	4	1	1			1	2	2	8	6	3	5	1	2	2	53	Kumamoto
Oita	4	4	6		2		3	4	1	4	2	3	3	1	1	1	2	6	5	1	2	1	3	59	Oita
Miyazaki	1	2			3		1		1		1			1		2	1		3	1	3	2		22	Miyazaki
Kagoshima	3	3	4		4		1	1	5	6	2	2	3	6	2	2	10	10	4	6	3	5	7	89	Kagoshima
Okinawa		3			1		2	1	3	3	1	3	2	6	1		3	2	1	5	2	7	1	47	Okinawa
total	146	144	225		145		138	137	130	160	219	176	201	226	185	199	234	255	289	307	367	199	220	4,302	total

[illegible]

injury to the sole of the foot																									injury to the sole of the foot
drown																									drown
contact to high/low-temperature																		1		1				2	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	2	1																				4	traffic accident (public road)
traffic accident (others)																									traffic accident (others)
reaction to motion/improper motion																									reaction to motion/improper motion
others							1																	1	others
unclassifiable																									unclassifiable
total	2	2	3	3			2			1		3		1	1	1			2		2			23	total

[illegible]

[illegible]

total	2	2	3	3			2			1		3		1	1	1			2		2			23	total
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Causal agents (small) of fatal accidents in park and amusement park in 1999-2021

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

hand tool																									hand tool
ladder											1									1			2		ladder
slinging tool																									slinging tool
other tools																									other tools
other equipment, facilities	1						1																2		other equipment, facilities
scaffolding											1												1		scaffolding
timbering																									timbering
stairs, landing stage																									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																									building, establishment
other temporary buildings, establishments														1				1					2		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															1								1		load
machine/equipment as load																									machine/equipment as load
natural ground, rock																									natural ground, rock
standing tree										1													1		standing tree
water																									water
abnormal environment																									abnormal environment
high/cold temperature environment																				1			1		high/cold temperature environment
other environments													1					1					2		other environments
other causal agent							1																1		other causal agent

no causal agent																								no causal agent
unclassifiable																								unclassifiable
total	2	2	3	3			2			1		3		1	1	1			2		2		23	total

Workers age of fatal accidents in park and amusement park 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																	1			3	20-29
30-39			1				2							1					1					5	30-39
40-49		1										2									1			4	40-49
50-59	1			1						1														3	50-59
60 years old or more		1	2	1								1			1	1			1					8	60 years old or more
total	2	2	3	3			2			1		3		1	1	1			2		2			23	total

Workers' number of workplace of fatal accidents in park and amusement park in 1999-2021

[illegible]

100-299	1		1				1						1					1					5	100-299
300 workers or more			1	1																1			3	300 workers or more
total	2	2	3	3			2			1		3		1	1	1			2		2		23	total

Month of fatal accidents in park and amusement park 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																									February
March																			1					1	March
April																									April
May				1								1												2	May
June	1						1																	2	June
July			2																		1			3	July
August	1		1									1												3	August
September		1																						1	September
October				1			1							1										3	October
November		1																	1					2	November
December				1						1					1									3	December
total	2	2	3	3			2			1		3		1	1	1			2		2			23	total

Prefecture of fatal accidents in park and amusement park in 1999-2021

[illegible]

[illegible]

Miyazaki		1																			1			2	Miyazaki
Kagoshima																									Kagoshima
Okinawa												1												1	Okinawa
total	2	2	3	3			2			1		3		1	1	1			2		2			23	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