

Fatal and non-fatal accidents in park and amusement park in Japan in 1999-2022

park and amusement park industry Code No.140302

Type of accidents in park and amusement park in 1999-2022

Type of accidents	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
fall from height	24	30	36	37	20	25	19	29	26	25	38	21	33	30	21	28	24	28	32	39	49	32	24	24	694
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	76	1,190
crash	8	6	13	13	10	13	15	5	9	7	12	10	16	13	6	12	17	16	11	13	14	11	15	17	282
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	12	175
collapse	3	3	4	5	1	1	1	2	4	2		6		1		1	2		1	4			2		43
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	10	262
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	14	343
cut	13	8	15	19	6	5	3	9	7	11	12	5	3	11	11	7	13	12	13	9	10	10	10	10	232
injury to the sole of the foot	1								1			1			1		2	1		1	1	1		2	12
drown						1																			1
contact to high/low-	6	5	14	10	2	5	1	9	2	6	4	1	6	4	5	4	5	14	8	11	9	7	2	6	146

crane, conveying machine	16	23	28	16	17	14	14	9	13	12	17	10	6	9	16	13	12	18	15	20	15	10	20	12	355
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	43	858
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	95	1,492
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	11	141
load	6	5	9	9	6	2	6	7	6	10	6	6	11	13	7	7	8	10	10	11	16	5	6	8	190
environment	10	11	19	29	11	15	14	15	13	17	20	11	16	22	21	17	16	28	30	34	40	20	16	26	471
others	7	17	26	14	18	15	32	15	15	22	61	70	51	53	46	61	80	71	82	88	140	42	80	130	1,236
total	146	144	225	192	145	150	138	137	130	160	219	176	201	226	185	199	234	255	289	307	367	199	220	332	4,976

Causal agents (middle) of fatal and non-fatal accidents in park and amusement park in 1999-2022

Causal (M) agents	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total	
engine																							1		1	
power transmission mechanism	1	1		1	1	1			2	1				1		1	2		1						13	
woodworking machine	4	3	2	4	1	1	1	2	2	3	5	1		6	4	1	4	3	3	3	3	3	4	4	4	68

circular sawing machine			2			1	1		2	1			2	3		1		1		1			15	
band sawing machine																								
wood planer machine					1								1			1					1		4	
hollow chisel mortiser, wood borer																					1		1	
chamfering machine, router, woodworking milling machine																								
chain saw										3			2	1	1	1	3	1	2		2	3	2	21
other woodworking machines											1	2	1	1	1		1			2	1	1	2	15
leveling, transporting or loading machine																								4
excavating machine											1						1	3					1	6
foundation work machine																								
hardening machine																	1							1

demolition machine																							
vehicle for high lift work											1												1
other construction machines			2							2			2	1									7
lathe																							
drill press, milling machine								1															1
grinding machine, buffing machine								1					1		1								3
power press																							
forging pressure hammer																							
shearing machine																							
other metal manufacturing machines																							
centrifugal machine																							
mixer, grinder											1												1
roll machine (except printingroll machine)																1							1

pressure vessel																								
other pressure vessels																								
chemical facilities																								
gas welding equipment							1																1	
arc welding equipment																								
other welding equipment																								
kiln, caldron		5				1					1	1											8	
industrial dryer																								
other kiln, caldron																								
transmission													1									1	2	
electric power facilities											1	1					1						3	
other electrical equipment									1					2			1		1				5	
human power cranes																						1	1	2
human power hauling equipment		11		8		6	3	4	6	5	4	7	8	6	2	7	7	7	6	15	4	2	9	127

human power machine								1	1		1						1		1				1		6
hand tool			5		6		1	1	1	6	6	1	3	2	2	3	2	6	6	5	3	3	4	2	68
ladder			11		3		5	14	9	9	8	7	12	7	7	10	9	7	11	13	16	14	8	9	189
slinging tool																									
other tools			9		4		1	4	3	9	7	7	12	10	8	4	7	8	10	23	16	6	7	11	166
other equipment, facilities			17		6		6	8	2	3	5	5	9	5	5	7	6	10	11	6	9	15	5	10	150
scaffolding			1						1			1							2						5
timbering																									
stairs, landing stage			9		10		10	13	11	11	13	3	17	21	10	14	20	18	20	19	18	16	12	19	284
opening			2					1	1					1					1		1				7
roof, beam, haze, crossbeam, principal rafter					1		1		1		2		2	1	1		1	1	1	1	2				15
working platform, boot board			5		8		3	1	3	11	6	6	5	4	4	12	13	5	9	13	9	9	4	13	143
passage			34		18		12	13	10	12	21	10	14	26	24	23	16	29	38	30	31	32	29	38	460
building, establishment			10		9		5	8	11	6	16	8	20	8	8	1	8	10	7	11	7	6	3	12	174
other temporary buildings,			7		7		12	9	6	9	9	15	10	15	5	11	10	11	9	14	15	4	8	13	199

environment									2				1					3		1	1			8	
high/cold temperature environment					1		1	1		1			3	2	5	2	2	9	1	6	5	2	1	3	45
other environments			13		6		6	10	2	9	12	6	1	10	9	8	4	9	17	16	24	10	7	17	196
other causal agent			17		9		11	10	9	12	30	11	17	19	12	9	22	39	54	33	39	7	12	22	394
no causal agent			9		8		21	5	6	9	30	53	34	31	34	48	55	29	26	53	99	35	68	102	755
unclassifiable					1					1	1	6		3		4	3	3	2	2	2			6	34
total	146	144	225	192	145	150	138	137	130	160	219	176	201	226	185	199	234	255	289	307	367	199	220	332	4,976

Workers age of fatal and non-fatal accidents in park and amusement park in 1999-2022

Age	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
19 years old or less	12	6	11	17	12	15	9	4	4	6	5	4	9	6	8	8	15	7	6	15	13	10	4	9	215
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	107	1,675
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	57	837
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	35	557
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	50	703
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	74	989
total	146	144	225	192	145	150	138	137	130	160	219	176	201	226	185	199	234	255	289	307	367	199	220	332	4,976

Workers' number of workplace of fatal and non-fatal accidents in park and amusement park in 1999-2022

Workers scale	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
9 workers or less	20	16	18	21	16	14	6	15	12	14	15	10	10	15	11	11	10	12	14	13	14	6	11	10	314
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	26	569
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	18	419
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	29	506
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	19	580
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	230	2,588
total	146	144	225	192	145	150	138	137	130	160	219	176	201	226	185	199	234	255	289	307	367	199	220	332	4,976

Month of fatal and non-fatal accidents in park and amusement park in 1999-2022

Month	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
January	8	8	23	13	11	9	16	10	4	13	13	10	12	15	25	19	25	25	21	24	23	23	31	38	419
February	15	8	10	23	9	8	4	12	10	26	9	14	15	16	5	22	17	12	23	27	28	38	10	16	377
March	17	9	23	18	12	14	18	15	9	14	13	13	10	20	13	12	17	18	27	16	26	10	6	37	387
April	17	13	15	16	13	12	9	4	5	11	25	14	13	23	22	17	21	25	21	19	34	6	18	26	399
May	10	9	11	15	13	17	9	11	16	9	23	19	13	14	11	17	22	24	34	25	36	8	18	26	410
June	14	12	17	15	12	12	5	16	14	8	24	21	11	19	18	14	13	15	24	26	23	12	17	25	387

July	12	11	24	16	14	11	12	9	15	17	18	13	17	22	20	19	22	19	26	39	26	18	21	33	454
August	14	18	27	16	19	15	18	18	18	14	21	19	22	23	21	22	19	29	33	29	42	18	24	28	527
September	5	22	16	12	9	15	11	17	9	10	15	10	14	11	12	20	21	23	18	30	46	13	22	28	409
October	16	14	16	20	16	10	12	11	10	11	23	16	25	19	13	7	22	23	23	27	27	15	14	29	419
November	9	10	23	15	9	10	18	7	9	14	14	16	31	24	13	18	21	23	19	23	26	22	18	23	415
December	9	10	20	13	8	17	6	7	11	13	21	11	18	20	12	12	14	19	20	22	30	16	21	23	373
total	146	144	225	192	145	150	138	137	130	160	219	176	201	226	185	199	234	255	289	307	367	199	220	332	4,976

Prefecture of fatal and non-fatal accidents in park and amusement park in 1999-2022

Prefecture	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
Hokkaido	7	10	7		5		10	5	8	6	22	9	3	9	7	6	8	7	8	6	9	1	3	1	157
Aomori					1									1		1	1				1	1		1	7
Iwate			9		1					1	1	3			2	2		2	1	3				1	26
Miyagi	3	3	3		2		1		1	1	2	4	1			2					1		2		26
Akita	1	1	1		2		1					1		1	1		1					1			11
Yamagata	1											1		1				1		1			2	1	8
Fukushima	2	7	4		1		1	1				2		1				2	2	4		2		2	31
Ibaraki	1	5					1	1		2	1	1	1	1	3			2	4	2	2	2	3	1	33
Tochigi	3	4	4		2		3	10	3	3	3	3	2	8	5	7	6	5	5	5	2	7	4	10	104
Gunma	2		1		1		1	4	2	5	6	4	6	1	4	7	1	6	4	3	2	5	2	6	73

Saitama	6		1		4		2	3	5	4	7	6	4	4	5	2	3	4	4	6	6	4	4	6	90
Chiba	35	30	88		39		40	32	34	49	90	85	103	102	68	73	98	96	133	151	215	52	87	169	1,869
Tokyo	4	9	12		8		3	5	7	9	11	3	9	4	5	5	3	10	9	8	9	10	5	7	155
Kanagawa	3	2	6		3		2	3	6	4	2	6	5	6	7	9	9	9	7	9	10	15	12	9	144
Niigata	1	2	1					3	3	1		2	1	1	3	1		2	1	1	1	1			25
Toyama	1	1	1		1					2		2	1		1	2		1	4		2	3	1		23
Ishikawa	1	5	2				1	2				1	1	1		1		2	1	2	1				21
Fukui	1							1		1	1		1			1			2	1			2	1	12
Yamanashi			1		2		1	1	1	2	1		1	2	1		4			4		1			22
Nagano	3	3	3		1		1	1	1	3		2		2		2	1		3	1	1	5	2	1	36
Gifu	5	3	2		5		4	1	1	4	2	1	2	1	1	2		2	2	3	3	4	3	2	53
Shizuoka	1	5	5		4		7	3	4	8	10	4	3	2	7	9	5	6	8	6	11	2	7	8	125
Aichi	4	3	1		1		3	5	2	3	1	3	1	2	3	6	9	6	6	7	4	8	5	10	93
Mie	5		4		1		4	3	1	8	8	4	8	6	10	11	5	7	14	10	9	7	8	13	146
Shiga	3	1					3		1	1	3	1	2	4	7	3	1				3	3		3	39
Kyoto	1		1		1			2	1	1	1	2		2		2	3		3	1		1	2	6	30
Osaka	7	7	13		15		17	13	11	10	13	4	17	21	15	14	15	24	21	22	23	19	20	36	357
Hyogo	10	9	12		13		5	2	8	6	5	2	6	7	4	7	1	4	7	6	7	5	8	4	138
Nara								1	3			2	2	3	1	1	1				1				15
Wakayama	1		1		4		3	1	2	1	2		1	2	1	2		2	3	2	2	1		1	32
Tottori					1		1	1			2			1						1	2	2	1		12

Shimane		2	3				1	2				3			1		1			2			1		16
Okayama	6	1	5		5		4	3	1		1	1	2		3	1	1	1	2	2	3		2	1	45
Hiroshima		4	4				1		1			1			1			1	1	3	4	4	5	4	34
Yamaguchi	2		1		4		1			1	1		1	1		1	1			1	2	1	3	1	22
Tokushima		4	1									1	1												7
Kagawa	2	2	1		1		1	1	2	1	2		1	2	2	2	4	7	6	2	3	3	1	4	50
Ehime	4	1	1				1	2		2				2	2			1	1	1	6	2	2	3	31
Kochi	2									2							6	2					3	1	16
Fukuoka	2	2	8		3		2	6	2	1	4	2	3	2	4	6	3	5	1	2	3	4		3	68
Saga	1								1					1	1	1		1			1				7
Nagasaki	5	3	3		2		3	12	4	4	10	2	3	7	4	4	18	14	10	10	8	6	7	9	148
Kumamoto	2	3	5		2		2	1	4	1	1			1	2	2	8	6	3	5	1	2	2	1	54
Oita	4	4	6		2		3	4	1	4	2	3	3	1	1	1	2	6	5	1	2	1	3	3	62
Miyazaki	1	2			3		1		1		1			1		2	1		3	1	3	2			22
Kagoshima	3	3	4		4		1	1	5	6	2	2	3	6	2	2	10	10	4	6	3	5	7	1	90
Okinawa		3			1		2	1	3	3	1	3	2	6	1		3	2	1	5	2	7	1	2	49
total	146	144	225	192	145	150	138	137	130	160	219	176	201	226	185	199	234	255	289	307	367	199	220	332	4,976

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

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

Data of 2011 year include fatal and non-fatal accidents caused by Great East Japan Earthquake in 2011.

drown																								
contact to high/low-temperature																		1		1				2
contact to harmful substance																								
electric shock																								
explosion																								
burst																								
fire																								
traffic accident (public road)		1	2	1																				4
traffic accident (others)																								
reaction to motion/improper motion																								
others							1																	1
unclassifiable																								
total	2	2	3	3			2			1		3		1	1	1			2		2			23

Causal agents (large) of fatal accidents in park and amusement park in 1999-2022

environment																							
high/cold temperature environment																				1			1
other environments													1					1					2
other causal agent							1																1
no causal agent																							
unclassifiable																							
total	2	2	3	3			2			1		3		1	1	1			2		2		23

Workers age of fatal accidents in park and amusement park in 1999-2022

Age	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
19 years old or less																									
20-29	1			1																	1				3
30-39			1				2							1					1						5
40-49		1										2									1				4
50-59	1			1						1															3
60 years old or more		1	2	1								1			1	1				1					8
total	2	2	3	3			2			1		3		1	1	1			2		2				23

Shimane																								
Okayama																								
Hiroshima																								
Yamaguchi																								
Tokushima																								
Kagawa																								
Ehime																								
Kochi																								
Fukuoka			1																				1	
Saga																								
Nagasaki																								
Kumamoto	1																						1	
Oita																								
Miyazaki	1																	1					2	
Kagoshima																								
Okinawa										1													1	
total	2	2	3	3			2			1		3		1	1	1			2		2			23

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

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