Fatal and non-fatal accidents in alcoholic drinks in Japan in 1999-2022

alcoholic drinks industry Code No.010105

Type of accidents in alcoholic drinks 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	36	42	51	42	37	30	24	39	22	25	31	23	29	18	25	21	21	38	32	28	32	27	23	23	719
falling to same level	42	25	30	30	31	31	24	27	27	36	31	21	32	18	20	25	21	27	26	24	18	21	26	30	643
crash	15	7	4	4	6	7	8	5	9	4	7	2	6	7	3	6	9	7	2	8	3	5	2	6	142
struck by flying or falling object	5	7	12	5	6	5	6	8	7	8	5	3	6	6	5	4	4	7	4	7	5	5	5	6	141
collapse	4	4	2	1	3	4		4		3		2	2	2	2	1	1	1	2					2	40
crashed by	6	3	3	2	3	2	6	5	8	4	3	5	2		2	1	3	2	4	3	2	2		3	74
caught in/between	34	50	48	36	33	36	41	40	38	28	21	27	26	34	20	27	28	26	19	19	38	18	26	21	734
cut	15	11	9	8	9	21	14	11	8	7	11	5	6	5	11	7	5	7	6	12	4	6	4	3	205
injury to the sole of the foot	1	1	2		1			2					1		2		1					1			12
drown						1	2		1									1						1	6
contact to high/low-	8	11	9	8	10	9	7	8	6	7	4	3	4		4	6	6	4	10	14	12	6	10	5	171

temperature																									
contact to harmful substance			1	2			1		1	2		2		1					1	1	2				14
electric shock					1	2		1			1														5
explosion			1					1																1	3
burst					1					2			1									1		1	6
fire	1					1				2															4
traffic accident (public road)	4	1	1	1	4		4	4	8		1	5	1	2	2	7	2			1				1	49
traffic accident (others)																					1				1
reaction to motion/improper motion	14	17	14	15	12	12	16	17	17	15	21	21	18	14	10	15	13	13	6	17	12	16	15	13	353
others	1	1		1		1	1	1	1	1			1			1				1					11
unclassifiable		1		1									1							1					4
total	186	181	187	156	157	162	154	173	153	144	136	119	136	107	106	121	114	133	112	136	129	108	111	116	3,337

Causal agents (large) of fatal and non-fatal accidents in alcoholic drinks in 1999-2022

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	2022	total
machine	34	39	28	30	23	31	34	29	20	21	14	20	19	21	14	25	25	23	17	24	30	11	23	20	575

crane, conveying machine	26	26	26	16	28	14	23	28	28	16	18	17	18	15	9	16	18	11	11	9	16	6	9	7	411
other equipment	44	36	52	35	39	44	36	38	38	37	35	28	27	26	30	25	25	46	32	38	37	38	32	39	857
temporary buildings, establishments	58	47	47	45	44	45	31	49	36	42	38	22	47	30	32	33	25	38	34	33	26	32	30	29	893
substance, material	13	8	11	12	5	13	11	10	11	8	6	7	3	4	9	8	3	5	7	8	6	6	5	3	182
load	8	13	12	9	11	7	11	7	9	6	13	13	7	6	5	6	7	7	5	7	7	8	4	10	198
environment		1	4	4	4	2		3	2	7		2	4		4	2	6	2	2	7	3	1	1	4	65
others	3	11	7	5	3	6	8	9	9	7	12	10	11	5	3	6	5	1	4	10	4	6	7	4	156
total	186	181	187	156	157	162	154	173	153	144	136	119	136	107	106	121	114	133	112	136	129	108	111	116	3,337

Causal agents (middle) of fatal and non-fatal accidents in alcoholic drinks 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												2
power transmission mechanism	2	4	1	2		3	4	6	1	1	2	1		1		3					3		4	1	39
woodworking machine				2	1						1			1			2	1		2	1	1			12

construction machine			1			1			1				1												4
metal manufacturing machine	1	1	1			1	2	1												2					9
general machine	31	34	25	26	22	26	28	22	18	20	11	18	17	19	14	22	23	22	17	20	26	10	19	19	509
mobile silviculture machine																									
crane	1	1			2					1						2	3		1						11
conveying machine	21	24	25	13	24	14	19	23	20	15	17	13	16	13	6	7	13	11	10	8	14	6	9	6	347
vehicle	4	1	1	3	2		4	5	8		1	4	2	2	3	7	2			1	2			1	53
pressure vessel		1	1			4	2	2		1			1		1	1			1			1	1		17
chemical facilities	1		2		1			1		2											1		1	1	10
welding equipment					1																				1
kiln, caldron			1	1	3	3			1	1	1						1	2	1		2	1	2		20
electric equipment	2			1		3		2			1					1			1						11
human power machine, tools	5	4	5	3	3	2	6	2	7	4	5	3	1	3	5	3		4	3	3	2	6	2	3	84
tools	24	18	31	21	17	21	18	23	17	18	20	19	20	17	13	15	18	31	24	26	25	20	20	26	502
other equipments,																									

facilities	12	13	12	9	14	11	10	8	13	11	8	6	5	6	11	5	6	9	2	9	7	10	6	9	212
temporary buildings, establishments	58	47	47	45	44	45	31	49	36	42	38	22	47	30	32	33	25	38	34	33	26	32	30	29	893
hazards, harmful substances	2	2	4	4		1	3	2	3	1	2	2		1	1	2		1	3	1	4	1	2		42
materials	11	6	7	8	5	12	8	8	8	7	4	5	3	3	8	6	3	4	4	7	2	5	3	3	140
load	8	13	12	9	11	7	11	7	9	6	13	13	7	6	5	6	7	7	5	7	7	8	4	10	198
natural environment		1	4	4	4	2		3	2	7		2	4		4	2	6	2	2	7	3	1	1	4	65
other causal agent	2	4	2	1		2	3	3	3	3	1	1	4		1		1		1	1		2	1		36
no causal agent	1	6	5	3	3	4	5	6	6	4	11	9	6	4	2	6	4	1	3	9	4	4	6	4	116
unclassifiable		1		1									1	1											4
total	186	181	187	156	157	162	154	173	153	144	136	119	136	107	106	121	114	133	112	136	129	108	111	116	3,337

Causal agents (small) of fatal and non-fatal accidents in alcoholic drinks in 1999-2022

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	2022	total
engine												1	1												2
power transmission mechanism			1				4	6	1	1	2	1		1		3					3		4	1	28

circular sawing machine					1									1			1				1				4
band sawing machine																									
wood planer machine											1							1		2		1			5
hollow chisel mortiser, wood borer																									
chamfering machine, router, woodworking milling machine																									
chain saw																									
other woodworking machines																	1								1
leveling, transporting or loading machine									1																1
excavating machine			1																						1
foundation work machine																									
hardening machine																									

demolition machine																									
vehicle for high lift work																									
other construction machines													1												1
lathe							1																		1
drill press, milling machine																									
grinding machine, buffing machine			1																	2					3
power press																									
forging pressure hammer																									
shearing machine																									
other metal manufacturing machines							1	1																	2
centrifugal machine											1	1												2	4
mixer, grinder			3		1		3	3	1	1			1	1		2	1	1		1	2	1	3		25
roll machine (except printingroll machine)			1										1		1				1					1	5

injection molding machine																									
food manufacturing machine			11		6		10	10	5	6	5	8	4	6	5	5	10	9	5	10	8	4	7	8	142
printing machine																									
industrial robot					1					1				1									1		4
other general power machines			10		14		15	9	12	12	5	9	11	11	8	15	12	12	11	9	16	5	8	8	212
felling machine																									
mobile logging machine																									
skyline yarding machine																									
other mobile silviculture machine																									
crane																	1		1						2
mobile crane																	1								1
derrick crane																									
elevator, lift					1					1						2	1								5
cargo lifting appliance																									
gondola																									

lumberyard equipment, logging cableway																									
simple skyline yarding equipment																									
other powered crane					1																				1
truck					5		4	3	1		2	2		1		1	2	1	3		1	2	1	2	31
forklift			8		9		5	8	7	5	10	4	4	3	3	3	4	7	2	2	6	2	4	2	98
railway equipment																									
conveyor			16		10		9	12	10	9	5	7	11	8	2	3	6	3	4	6	7	1	4	2	135
loader																									
straddle carrier																									
rough terrain hauler										1			1												2
other powered conveying machines			1				1		2					1	1		1		1			1			9
cars, bus, motorcycle			1		2		4	5	7			4	2	2	3	7	2			1	1				41
railway vehicle																					1				1
other vehicles									1		1													1	3
boiler																1						1	1		3

pressure vessel							1	1		1			1		1				1						6
other pressure vessels			1				1	1																	3
chemical facilities			2		1			1		2											1		1	1	9
gas welding equipment																									
arc welding equipment					1																				1
other welding equipment																									
kiln, caldron			1		3				1		1							1	1		2	1	2		13
industrial dryer										1															1
other kiln, caldron																	1	1							2
transmission								1								1									2
electric power facilities								1			1														2
other electrical equipment																			1						1
human power cranes												1							1						2
human power hauling equipment			3		2		3		2	2		1		1	1	1		1	1	1	2	1	1	2	25

human power machine																						1			1
hand tool			2		1		3	2	5	2	5	1	1	2	4	2		3	1	2		4	1	1	42
ladder			21		15		11	18	13	13	13	17	10	9	9	10	13	21	15	16	17	15	15	15	286
slinging tool																									
other tools			10		2		7	5	4	5	7	2	10	8	4	5	5	10	9	10	8	5	5	11	132
other equipment, facilities			12		14		10	8	13	11	8	6	5	6	11	5	6	9	2	9	7	10	6	9	167
scaffolding			2		2		1	2	1		2	1	2			2		3	1	2	1				22
timbering																									
stairs, landing stage			16		9		5	10	5	10	8	4	13	5	9	7	7	6	7	8	4	8	4	4	149
opening					1				1				2	1			1					1	1		8
roof, beam, haze, crossbeam, principal rafter			2		2		5	4		1	1		3	2	2		1					1			24
working platform, boot board			5		8		4	8	5	6	3	4	8	4	10	6	2	5	8	4	4	7	7	2	110
passage			14		15		9	12	12	12	17	12	16	9	5	12	8	16	12	16	11	12	13	15	248
building, establishment			5		4		2	11	8	9	4		2	5	6	3	3	6	4	1	3	1	3	3	83
other temporary buildings,			3		3		5	2	4	4	3	1	1	4		3	3	2	2	2	3	2	2	5	54

establishments																									
explosive substance																									
inflammable substance								1																	1
inflammable gas																									
harmful substance							1		1	1				1					1						5
radiation																									
other hazards, harmful substances			4				2	1	2		2	2			1	2		1	2	1	4	1	2		27
metal material			2				1		5	2	2		1	1	1	1	2			1		1		2	22
lumber, bamboo			1					1				1		2	1			1		1					8
stone, sand, substance			1													1									2
other materials			3		5		7	7	3	5	2	4	2		6	4	1	3	4	5	2	4	3	1	71
load			12		10		11	7	9	6	12	9	5	5	5	6	7	4	5	7	7	8	4	9	148
machine/equipment as load					1						1	4	2	1				3						1	13
natural ground, rock									1									1						1	3
standing tree									1	1					2						1				5
water					1			1		1			1							1					5
abnormal																									

environment					1					1			1												3
high/cold temperature environment			1							1			1		1	1	1		1	4	2			2	15
other environments			3		2			2		3		2	1		1	1	5	1	1	2		1	1	1	27
other causal agent			2				3	3	3	3	1	1	4		1		1		1	1		2	1		27
no causal agent			5		3		5	6	6	4	11	9	6	4	2	6	4	1	3	9	4	4	6	4	102
unclassifiable													1	1											2
total	186	181	187	156	157	162	154	173	153	144	136	119	136	107	106	121	114	133	112	136	129	108	111	116	3,337

Workers age of fatal and non-fatal accidents in alcoholic drinks 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	3	3	3	4	4	3	3	3	1	2			2	1	3		1	1	1	1	5			1	45
20-29	28	27	20	15	17	30	17	30	21	22	19	12	16	15	13	15	14	26	14	13	16	8	19	15	442
30-39	26	21	18	21	24	29	22	28	25	28	28	25	31	19	27	22	28	22	31	24	27	22	22	21	591
40-49	36	41	37	37	35	23	36	35	32	31	31	21	30	24	17	32	22	24	19	26	31	21	25	21	687
50-59	51	47	57	48	48	47	43	38	48	36	32	26	34	32	21	29	29	28	23	39	25	28	23	35	867
60 years old or more	42	42	52	31	29	30	33	39	26	25	26	35	23	16	25	23	20	32	24	33	25	29	22	23	705
total	186	181	187	156	157	162	154	173	153	144	136	119	136	107	106	121	114	133	112	136	129	108	111	116	3,337

Workers' number of workplace of fatal and non-fatal accidents in alcoholic drinks 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	41	38	27	24	36	35	27	28	26	13	22	13	29	19	21	11	17	26	14	24	15	13	5	21	545
10-29	60	59	60	53	52	48	53	53	45	37	45	38	35	32	29	53	38	54	43	38	51	32	47	48	1,103
30-49	27	24	33	20	21	30	23	27	16	26	22	32	30	16	18	19	20	22	17	27	29	18	22	23	562
50-99	29	32	33	27	21	22	20	29	30	26	18	22	16	23	20	22	25	21	20	24	17	21	16	14	548
100-299	22	26	30	27	26	26	24	28	29	33	27	11	22	12	16	14	12	9	18	18	15	21	21	10	497
300 workers or more	7	2	4	5	1	1	7	8	7	9	2	3	4	5	2	2	2	1		5	2	3			82
total	186	181	187	156	157	162	154	173	153	144	136	119	136	107	106	121	114	133	112	136	129	108	111	116	3,337

Month of fatal and non-fatal accidents in alcoholic drinks 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	25	25	20	17	23	19	18	18	16	16	18	14	21	10	14	14	13	17	8	13	12	10	14	14	389
February	18	19	22	22	23	24	17	25	18	21	16	12	12	17	7	14	7	9	10	15	10	13	11	14	376
March	22	18	16	18	13	15	22	15	13	13	10	13	15	7	6	4	7	14	10	15	19	8	13	5	311
April	14	19	11	3	5	9	4	9	10	8	10	12	11	8	6	8	10	13	11	5	7	6	3	7	209
May	4	11	15	10	12	7	11	14	10	13	9	7	9	6	12	7	5	3	7	11	9	6	7	6	211
June	11	12	14	10	13	12	12	6	8	6	10	11	8	5	1	9	9	9	3	10	6	6	4	11	206

July	8	9	11	11	6	10	12	9	11	3	5	10	10	5	8	5	9	4	9	8	11	9	6	6	195
August	12	21	8	9	7	10	7	23	9	7	10	2	6	7	8	5	9	11	10	8	6	9	5	3	212
September	14	3	6	13	10	11	13	11	10	7	9	5	12	8	10	9	8	14	10	8	9	9	8	11	228
October	18	9	16	15	13	12	12	12	20	7	17	14	6	11	12	16	15	18	10	13	15	6	10	15	312
November	14	17	22	13	18	17	10	15	13	17	12	9	14	15	13	20	9	10	16	12	14	13	17	16	346
December	26	18	26	15	14	16	16	16	15	26	10	10	12	8	9	10	13	11	8	18	11	13	13	8	342
total	186	181	187	156	157	162	154	173	153	144	136	119	136	107	106	121	114	133	112	136	129	108	111	116	3,337

Prefecture of fatal and non-fatal accidents in alcoholic drinks 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	5	7	7		2		5	10	5	3	7	5	5	3	3	3	11	1	6	2	2	5	4	2	103
Aomori	1	3	1		7		1	2	2		1		1	2		1		1	1	1	1		1	2	29
Iwate	2	1	2		1		3	3	2	2	2	1	2	1	1	1		1	2	3	1	2	4	1	38
Miyagi	4	5	1		3		4	3	5	1	4	1	6	1	3	2		3	2	3	2	2	2		57
Akita	8	9	7		12		5	5	4	6	3	1	2	3	8	5	9	2	6	3	7	3	3	5	116
Yamagata	2	5	6		4		5	3	4	3	3	2	3	2	4	5	2	3	1	6	5	2	2	6	78
Fukushima	4	9	4		5		4	7	4	4	3	3	4	1	2	3	4	6	3	4	6	5	3	4	92
Ibaraki	3	3	2				3	2	4	3	2	3	2	1	3	4	1	1	4	4	1	5	1		52
Tochigi	2	1	5		9		2		1	4	1	3	4	1		4	2	1	2	1		1	2	2	48
Gunma	3	7	3		1			2	1	3		1	2	2		1	1	1		2	1	4			35

Saitama	1		3		2		2	4	4	3	1	3	1	3	4	4	6	3	4	2	5	1	2	1	59
Chiba	6	7	3		4		2	4	5	1	5	4	4	1	4	2	1	4	2	3	5	5	3	6	81
Tokyo	2	3	1		2		1	3	1	2	2	2	1		1		1	2				1	1	1	27
Kanagawa			1		1		2	2	2	4		2	2	3	2	1	1	2	1			2	2	2	32
Niigata	4	6	7		4		11	6	4	8	4	8	6	6	2	5	4	5	5	10	8	7	10	10	140
Toyama			1				4	2	4	3		1	1	1	2	3	2			5	1	1			31
Ishikawa	2	2	3		2		7			1	1	1	4	2	1	1	1	2	2	3	1			4	40
Fukui	2	4	3		2		3	1	1	2				1		1	1		1	1	3			2	28
Yamanashi	5	4	4				3	3	4	3	2	1	2		2	1		2	2	4	3	1	2	7	55
Nagano	5	5	5		1		2	4	4	6	5	6	6	7	3	7	5	9	7	5	3	6	4	8	113
Gifu	4	4	2		2		4	1	1	5	3	3	2	3	2		3	4	1	1		2	3	1	51
Shizuoka	1				4		3		4	3	1	2	2	1	1	2	1	5	2			2	5	4	43
Aichi	6	7	11		5		2	7	7	5	6	5	3	1	2	3	4	1	4	3	9	3	6	2	102
Mie	3	6	2		3		2	5	2	2	3	2	3	1	1	2	3	1		2		2	4	4	53
Shiga	3	2	1		1		1					1	1	1	1				2	2	2				18
Kyoto	11	9	7		3		3	11	10	7	5	4	10	3	5	4	3	5	1	7	4	5	3	5	125
Osaka	4	1	2		3		2	3	2	1	3	1	3	1	1	1	2		2	4	2		1		39
Hyogo	13	15	25		10		15	12	10	21	11	5	12	9	5	8	8	11	7	11	7	5	5	3	228
Nara	3		1				1			1	2	1			1	1	3	3	1		2	3	3	1	27
Wakayama	1	1	1		1		1		2	3	3	4	2	2	2	3	3	1		1	3	1	1		36
Tottori	1		1				1		3	1		1	1	1	1		2	1	1		2				17

Shimane	6	3			4			1	2	1	2			1	2	2	2		1	1			2		30
Okayama	4	3	4		4		2	1		1			2	1			2	2	4	5	2	1	2		40
Hiroshima	14	4	9		5		5	3	2	1	2	2	6		3	3	2	5	2	4	2	3	1		78
Yamaguchi	1	1	2		1		1	2			2		1	1	2	6	2	3		1	3	2	3	2	36
Tokushima	2	1					1						1								1		1		7
Kagawa	1	2			1		1	1	1		1					2		2		1					13
Ehime	3	3	4					2	1		2	1	1	1	1	1		2	1				1	1	25
Kochi	1	7	4		2		1		4	2	1		1	1	1		2	6	1	1		4	5		44
Fukuoka	9	7	10		11		7	10	8	2	6	2	4	9	2	2	3	2	3	4	4	3	5	3	116
Saga	4	3			4		3	4	1	1	3	6	1	3	2		1	8	1	4	4	2	2	2	59
Nagasaki	3	1	1		2		1	1			2	2	1	1	2	4			1	1	3	3	1	3	33
Kumamoto		4	6		2		3	3	2	1	4	2	2		1	3		2			2	1		2	40
Oita	2	2	6		5		1	5	4	3	3	5	5	3	4	2	2	3	1	5	4	1		5	71
Miyazaki	5	1	5		9		7	11	6	9	14	11	4	11	3	4	2	6	8	8	2	5	2	3	136
Kagoshima	15	10	11		11		13	23	19	12	9	9	8	8	14	12	10	11	10	6	14	4	7	9	245
Okinawa	5	3	3		2		4	1	1		2	2	2	3	2	2	2		7	2	2	3	2	3	53
total	186	181	187	156	157	162	154	173	153	144	136	119	136	107	106	121	114	133	112	136	129	108	111	116	3,337

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.

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

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Fatal accidents in alcoholic drinks in Japan in 1999-2022

alcoholic drinks industry Code No.010105

Type of fatal accidents in alcoholic drinks 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			2	1	1	1	1	1	2	1	1		1					1					1		14
falling to same level																									
crash																									
struck by flying or falling object																							1		1
collapse																									
crashed by			1				1																		2
caught in/between							1								1										2
cut																									
injury to the sole of the foot																									

drown						1	2		1									1						1	6
contact to high/low-temperature					1																				1
contact to harmful substance										1															1
electric shock																									
explosion			1																						1
burst										1															1
fire																									
traffic accident (public road)	1						1									1				1					4
traffic accident (others)																									
reaction to motion/improper motion																									
others									1				1												2
unclassifiable													1												1
total	1		4	1	2	2	6	1	4	3	1		3		1	1		2		1			2	1	36

Causal agents (large) of fatal accidents in alcoholic drinks in 1999-2022

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	2022	total
machine							1						1												2
crane, conveying machine	1		1	1			2			1					1	1				1			1		10
other equipment			2		2	1	1		2	1														1	10
temporary buildings, establishments			1			1	1	1	1		1							2					1		9
substance, material																									
load																									
environment										1			1												2
others							1		1				1												3
total	1		4	1	2	2	6	1	4	3	1		3		1	1		2		1			2	1	36

Causal agents (middle) of fatal accidents in alcoholic drinks 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																									
power transmission mechanism																									

woodworking machine																									
construction machine																									
metal manufacturing machine																									
general machine							1						1												2
mobile silviculture machine																									
crane																									
conveying machine			1	1			1			1					1								1		6
vehicle	1						1									1				1					4
pressure vessel																									
chemical facilities			1																						1
welding equipment																									
kiln, caldron					1																				1
electric equipment																									
human power machine, tools																									
tools			1						1																2
other equipments,																									

facilities					1	1	1		1	1														1	6
temporary buildings, establishments			1			1	1	1	1		1							2					1		9
hazards, harmful substances																									
materials																									
load																									
natural environment										1			1												2
other causal agent							1																		1
no causal agent									1																1
unclassifiable													1												1
total	1		4	1	2	2	6	1	4	3	1		3		1	1		2		1			2	1	36

Causal agents (small) of fatal accidents in alcoholic drinks in 1999-2022

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	2022	total
engine																									
power transmission mechanism																									

circular sawing machine																									
band sawing machine																									
wood planer machine																									
hollow chisel mortiser, wood borer																									
chamfering machine, router, woodworking milling machine																									
chain saw																									
other woodworking machines																									
leveling, transporting or loading machine																									
excavating machine																									
foundation work machine																									
hardening machine																									

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

injection molding machine																									
food manufacturing machine							1																		1
printing machine																									
industrial robot																									
other general power machines													1												1
felling machine																									
mobile logging machine																									
skyline yarding machine																									
other mobile silviculture machine																									
crane																									
mobile crane																									
derrick crane																									
elevator, lift																									
cargo lifting appliance																									
gondola																									

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

pressure vessel																									
other pressure vessels																									
chemical facilities			1																						1
gas welding equipment																									
arc welding equipment																									
other welding equipment																									
kiln, caldron					1																				1
industrial dryer																									
other kiln, caldron																									
transmission																									
electric power facilities																									
other electrical equipment																									
human power cranes																									
human power hauling equipment																									

human power machine																									
hand tool																									
ladder			1						1																2
slinging tool																									
other tools																									
other equipment, facilities					1	1	1		1	1														1	6
scaffolding																		1							1
timbering																									
stairs, landing stage			1					1																	2
opening																							1		1
roof, beam, haze, crossbeam, principal rafter																									
working platform, boot board						1																			1
passage																									
building, establishment							1		1		1														3
other temporary buildings,																		1							1

establishments																									
explosive substance																									
inflammable substance																									
inflammable gas																									
harmful substance																									
radiation																									
other hazards, harmful substances																									
metal material																									
lumber, bamboo																									
stone, sand, substance																									
other materials																									
load																									
machine/equipment as load																									
natural ground, rock																									
standing tree																									
water													1												1
abnormal																									

environment										1															1
high/cold temperature environment																									
other environments																									
other causal agent							1																		1
no causal agent									1																1
unclassifiable													1												1
total	1		4	1	2	2	6	1	4	3	1		3		1	1		2		1			2	1	36

Workers age of fatal accidents in alcoholic drinks 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				1																					1
20-29			1							1													1		3
30-39			1		1					2			1												5
40-49	1								1							1		1		1					5
50-59							2						1		1									1	5
60 years old or more			2		1	2	4	1	3		1		1					1					1		17
total	1		4	1	2	2	6	1	4	3	1		3		1	1		2		1			2	1	36

Workers' number of workplace of fatal accidents in alcoholic drinks 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									2	1	1		2					2							8
10-29	1		2		1	2	4		2	1						1								1	15
30-49							1			1			1												3
50-99			1	1	1			1							1					1					6
100-299			1				1																2		4
300 workers or more																									
total	1		4	1	2	2	6	1	4	3	1		3		1	1		2		1			2	1	36

Month of fatal accidents in alcoholic drinks 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			1		1	1				1	1				1										6
February								1	2	1															4
March							3		2	1			1					1							8
April																		1							1
May																									
June					1																				1

July			1																				1		2
August	1												1												2
September						1	1																	1	3
October			1				1									1									3
November				1			1						1							1			1		5
December			1																						1
total	1		4	1	2	2	6	1	4	3	1		3		1	1		2		1			2	1	36

Prefecture of fatal accidents in alcoholic drinks 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	1																								1
Aomori																									
Iwate							1			1			1												3
Miyagi																									
Akita										1															1
Yamagata																									
Fukushima									1				1					1						1	4
Ibaraki																									
Tochigi																									
Gunma						1																			1

Saitama																									
Chiba																									
Tokyo																									
Kanagawa				1																					1
Niigata					1		1								1										3
Toyama																									
Ishikawa																									
Fukui																									
Yamanashi										1															1
Nagano													1												1
Gifu																									
Shizuoka							1																		1
Aichi			1			1																			2
Mie																									
Shiga																									
Kyoto			1					1																	2
Osaka																									
Hyogo			1		1				1											1					4
Nara																		1							1
Wakayama																									
Tottori							1		1																2

Shimane											1														1
Okayama																									
Hiroshima							1																		1
Yamaguchi																1							1		2
Tokushima																									
Kagawa									1																1
Ehime																									
Kochi																									
Fukuoka																							1		1
Saga																									
Nagasaki																									
Kumamoto																									
Oita																									
Miyazaki			1																						1
Kagoshima							1																		1
Okinawa																									
total	1		4	1	2	2	6	1	4	3	1		3		1	1		2		1			2	1	36

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

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