Fatal and non-fatal accidents in other land cargo transportation service in Japan in 1999-2022

other land cargo transportation service industry Code No.040309

Type of accidents in other land cargo transportation service 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	118	145	155	96	136	162	177	154	141	145	99	96	113	104	111	113	112	115	108	119	97	112	90	110	2,928
falling to same level	38	55	47	43	55	57	87	61	57	64	47	49	54	54	47	41	39	58	48	48	45	58	51	57	1,260
crash	24	34	35	32	27	26	42	34	37	18	31	30	24	18	22	26	24	23	25	17	23	14	26	37	649
struck by flying or falling object	35	35	26	24	36	29	32	44	21	26	17	17	17	16	23	22	15	9	16	16	15	14	15	23	543
collapse	5	17	15	13	15	9	14	21	16	15	7	6	10	11	7	10	8	4	8	13	8	5	6	8	251
crashed by	27	23	12	26	18	26	26	30	28	25	20	20	21	19	17	12	11	14	13	20	28	11	26	18	491
caught in/between	63	63	58	68	70	68	70	83	60	43	40	52	33	36	45	46	45	30	29	38	27	26	32	28	1,153
cut	11	6	7	5	13	7	11	5	5	3	4	6	10	7	6	6	5	7	3	4	5	9	8	5	158
injury to the sole of the foot	1	2	1			1		1	2		2	1					2			1		1		1	16
drown	1												1												2
contact to high/low-	3	3	4	2	3	3	2	4	3	5	2	5	5	3	5	3	1	2	5	3	3	6		3	78

temperature																									
contact to harmful substance		1	1	1			2			1	1		1							1				1	10
electric shock				2									1								1		1		5
explosion		1			1															1					3
burst		1			1						2							1							5
fire									1																1
traffic accident (public road)	50	51	47	39	56	65	41	53	43	45	28	33	29	25	29	29	23	38	23	25	22	18	22	20	854
traffic accident (others)		1	1		2	1	1	1				1		1						1			1		11
reaction to motion/improper motion	55	52	48	39	53	49	66	43	49	57	43	48	42	43	52	38	49	45	40	45	37	41	44	59	1,137
others		2		1	1	1	2	2	1	1	1	3	2	4			2	1	3	1		1	23	3	55
unclassifiable	1	1	1	2		3	1					1			2	1	2								15
total	432	493	458	393	487	507	574	536	464	448	344	368	363	341	366	347	338	347	321	353	311	316	345	373	9,625

Causal agents (large) of fatal and non-fatal accidents in other land cargo transportation service 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	10	10	6	11	15	7	9	6	11	9	11	7	9	4	4	3	3	5	3	9	7	1	8	6	174

crane, conveying machine	216	256	236	208	246	283	285	265	248	208	164	171	182	157	175	188	177	176	168	178	149	148	158	166	4,808
other equipment	38	46	35	44	46	44	58	68	49	65	38	50	40	43	43	35	30	47	38	39	43	41	40	49	1,069
temporary buildings, establishments	35	60	57	41	69	51	83	65	53	63	43	55	55	52	62	45	47	55	47	54	52	55	66	61	1,326
substance, material	43	32	29	22	33	19	43	43	32	18	17	11	17	24	23	15	14	12	13	20	16	6	6	21	529
load	56	50	64	46	53	62	67	69	53	58	48	44	38	39	35	39	39	34	29	32	23	32	25	35	1,070
environment	8	8	13	5	6	11	6	2	6	8	8	14	8	6	6	11	7	7	7	3	5	9	4	7	175
others	26	31	18	16	19	30	23	18	12	19	15	16	14	16	18	11	21	11	16	18	16	24	38	28	474
total	432	493	458	393	487	507	574	536	464	448	344	368	363	341	366	347	338	347	321	353	311	316	345	373	9,625

Causal agents (middle) of fatal and non-fatal accidents in other land cargo transportation service 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	1	1										1	8
woodworking machine	4		1	1		1			3			1	2		1		1	2					1		18

construction machine	5	5	4	7	10	2	3	2	5	6	6	2	2	3	1	1		1	3	9	3	1	2	2	85
metal manufacturing machine		2		1	1	2	1		1		3	1	2		1	1	1	1			1		1	1	21
general machine	1	2	1	1	4	2	5	3	2	2	2	2	2		1	1	1	1			2		4	2	41
mobile silviculture machine																									
crane	12	14	12	12	12	16	15	15	9	7	8	8	4	3	8	9	7	6	4	3	6	7	8	3	208
conveying machine	186	223	204	180	211	237	257	235	209	163	140	143	159	139	148	164	157	144	150	159	129	135	138	149	4,159
vehicle	18	19	20	16	23	30	13	15	30	38	16	20	19	15	19	15	13	26	14	16	14	6	12	14	441
pressure vessel	1		2				1				1	1		1				1		2		1	1		12
chemical facilities				1																		1			2
welding equipment		1			1														1						3
kiln, caldron																									
electric equipment				1	1					1		1	1											1	6
human power machine, tools	13	13	8	16	18	18	22	27	21	26	17	18	15	23	14	10	15	20	14	18	22	11	16	26	421
tools	23	30	23	22	23	25	25	34	26	37	15	26	19	16	22	20	14	20	19	18	17	25	21	19	539
other equipments,																									

facilities	1	2	2	4	3	1	10	7	2	1	5	4	5	3	7	5	1	6	4	1	4	3	2	3	86
temporary buildings, establishments	35	60	57	41	69	51	83	65	53	63	43	55	55	52	62	45	47	55	47	54	52	55	66	61	1,326
hazards, harmful substances	1	1	3	1	2		5	1	1	2	1		1	2				1	1	1	1	1		2	28
materials	42	31	26	21	31	19	38	42	31	16	16	11	16	22	23	15	14	11	12	19	15	5	6	19	501
load	56	50	64	46	53	62	67	69	53	58	48	44	38	39	35	39	39	34	29	32	23	32	25	35	1,070
natural environment	8	8	13	5	6	11	6	2	6	8	8	14	8	6	6	11	7	7	7	3	5	9	4	7	175
other causal agent	5	10	8	1	2	11	1	7	1	1	2	4	3	2	1	1	10	1	5	1	2	2	22	5	108
no causal agent	20	20	8	13	16	18	18	10	10	18	12	12	11	13	16	9	9	10	11	17	14	22	16	23	346
unclassifiable	1	1	2	2	1	1	4	1	1		1			1	1	1	2								20
total	432	493	458	393	487	507	574	536	464	448	344	368	363	341	366	347	338	347	321	353	311	316	345	373	9,625

Causal agents (small) of fatal and non-fatal accidents in other land cargo transportation service 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
power transmission mechanism								1		1		1	1	1										1	6

circular sawing machine									1				1		1			1							4
band sawing machine																									
wood planer machine																									
hollow chisel mortiser, wood borer																									
chamfering machine, router, woodworking milling machine																									
chain saw									1			1	1				1								4
other woodworking machines			1						1									1					1		4
leveling, transporting or loading machine								2	3	1	4		1	1						2	1			1	16
excavating machine			3		6		2		1	3	1			1	1	1		1	2	5	1		2		30
foundation work machine																									
hardening machine					2				1			1									1				5

demolition machine										1															1
vehicle for high lift work												1								1					2
other construction machines			1		2		1			1	1		1	1					1	1		1		1	12
lathe																									
drill press, milling machine																1					1				2
grinding machine, buffing machine					1						1		2		1								1	1	7
power press							1										1								2
forging pressure hammer																									
shearing machine																									
other metal manufacturing machines									1		2	1						1							5
centrifugal machine																									
mixer, grinder					1																		1		2
roll machine (except printingroll machine)								1			1														2

injection molding machine																									
food manufacturing machine																									
printing machine																							1		1
industrial robot																									
other general power machines			1		3		5	2	2	2	1	2	2		1	1	1	1			2		2	2	30
felling machine																									
mobile logging machine																									
skyline yarding machine																									
other mobile silviculture machine																									
crane			5		4		7	5	2	2	2	1	2	1	2	2	2	1	2		3	1	3	1	48
mobile crane			6		6		8	9	6	5	6	5	2	1	4	5	4	4	2	3	3	4	5	2	90
derrick crane																									
elevator, lift			1		1				1			1		1	1	1		1							8
cargo lifting appliance																									
gondola																									

lumberyard equipment, logging cableway																									
simple skyline yarding equipment																									
other powered crane					1			1				1			1	1	1					2			8
truck			181		179		221	212	175	141	127	121	141	121	131	142	140	125	130	131	118	124	116	126	2,902
forklift			18		26		32	20	25	17	11	18	16	16	9	17	15	13	18	24	10	8	16	17	346
railway equipment																									
conveyor			1		2		2	1	5	3	1	1	1	1	1	1		2	2	1	1	2	3	3	34
loader									2			1			1	2		1					1		8
straddle carrier									1					1				1							3
rough terrain hauler																									
other powered conveying machines			4		4		2	2	1	2	1	2	1		6	2	2	2		3		1	2	3	40
cars, bus, motorcycle			19		23		12	15	29	36	14	19	18	13	18	14	12	26	13	15	12	5	12	14	339
railway vehicle																									
other vehicles			1				1		1	2	2	1	1	2	1	1	1		1	1	2	1			19
boiler																									

pressure vessel																									
other pressure vessels			2				1				1	1		1				1		2		1	1		11
chemical facilities																						1			1
gas welding equipment					1																				1
arc welding equipment																									
other welding equipment																			1						1
kiln, caldron																									
industrial dryer																									
other kiln, caldron																									
transmission										1															1
electric power facilities												1	1												2
other electrical equipment					1																			1	2
human power cranes			1				1	1	2			1	1	2	1						2	2		7	21
human power hauling equipment			6		14		15	21	15	19	12	16	9	16	10	9	13	20	11	17	18	5	13	14	273

human power machine								1											1				1	1	4
hand tool			1		4		6	4	4	7	5	1	5	5	3	1	2		2	1	2	4	2	4	63
ladder			6		6		8	9	8	13	6	8	8	3	7	3	5	7	8	5	4	9	6	8	137
slinging tool			3		2		3	6	3	5	2	2	2	1		3		2	1		1	2			38
other tools			14		15		14	19	15	19	7	16	9	12	15	14	9	11	10	13	12	14	15	11	264
other equipment, facilities			2		3		10	7	2	1	5	4	5	3	7	5	1	6	4	1	4	3	2	3	78
scaffolding			1					1	1	1	1				1	1	2				1		1		11
timbering																									
stairs, landing stage			9		12		13	8	6	12	6	10	9	9	13	7	14	12	15	10	9	8	8	16	206
opening			1		1					1	2		1		2	1		2	1	2	2	1	2		19
roof, beam, haze, crossbeam, principal rafter					2				1		1	1	2									1	1	1	10
working platform, boot board			15		8		8	8	15	5	10	8	6	6	12	5	3	8	3	4	7	7	8	5	151
passage			13		23		38	19	9	25	10	17	22	26	18	20	16	25	13	27	21	26	32	27	427
building, establishment			16		15		16	14	10	13	10	14	9	9	8	5	4	4	10	6	5	9	5	8	190
other temporary buildings,			2		8		8	15	11	6	3	5	6	2	8	6	8	4	5	5	7	3	9	4	125

establishments																									
explosive substance														1											1
inflammable substance					1														1		1				3
inflammable gas					1									1						1		1			4
harmful substance							1			1			1											1	4
radiation																									
other hazards, harmful substances			3				4	1	1	1	1							1						1	13
metal material			16		16		19	21	17	6	5	5	5	9	10	7	5	5	6	6	6	5	4	13	186
lumber, bamboo			8		9		12	14	6	5	6	4	4	12	4	7	4	3	4	8	4		1	5	120
stone, sand, substance					3		3	2	2	1	1		2				1	2			1		1		19
other materials			2		3		4	5	6	4	4	2	5	1	9	1	4	1	2	5	4			1	63
load			60		53		59	69	48	57	45	41	35	34	33	33	39	29	29	29	22	32	23	30	800
machine/equipment as load			4				8		5	1	3	3	3	5	2	6		5		3	1		2	5	56
natural ground, rock			2		2		1		2	2	2	2				1	1	3	1		1				20
standing tree			1							1	1		1				1				1			1	7
water					1				1		1		2												5
abnormal																									

environment														1											1
high/cold temperature environment			1						1	2	1	5	1	1	3	2	1	2	2	2	2	4		3	33
other environments			9		3		5	2	2	3	3	7	4	4	3	8	4	2	4	1	1	5	4	3	77
other causal agent			8		2		1	7	1	1	2	4	3	2	1	1	10	1	5	1	2	2	22	5	81
no causal agent			8		16		18	10	10	18	12	12	11	13	16	9	9	10	11	17	14	22	16	23	275
unclassifiable			2		1		4	1	1		1			1	1	1	2								15
total	432	493	458	393	487	507	574	536	464	448	344	368	363	341	366	347	338	347	321	353	311	316	345	373	9,625

Workers age of fatal and non-fatal accidents in other land cargo transportation service 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	6	5	5	3	5	5	3	5	4	6	4	2	3	5	5	2	3	3	5	1	2	2	4	3	91
20-29	111	133	87	76	61	79	47	76	73	58	29	40	35	30	30	40	31	26	25	27	24	25	37	24	1,224
30-39	110	140	124	113	160	155	172	154	120	108	89	100	89	69	70	57	60	64	52	48	39	34	55	35	2,217
40-49	97	83	99	88	112	112	147	114	88	132	90	95	116	119	111	121	113	106	109	121	97	79	82	108	2,539
50-59	87	109	111	89	120	122	152	137	129	96	88	80	73	74	94	81	83	100	84	92	87	101	93	124	2,406
60 years old or more	21	23	32	24	29	34	53	50	50	48	44	51	47	44	56	46	48	48	46	64	62	75	74	79	1,148
total	432	493	458	393	487	507	574	536	464	448	344	368	363	341	366	347	338	347	321	353	311	316	345	373	9,625

Workers' number of workplace of fatal and non-fatal accidents in other land cargo transportation service 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	72	91	81	66	71	98	112	97	69	84	63	60	54	61	62	55	61	61	54	59	54	65	48	60	1,658
10-29	176	208	204	173	192	179	216	189	184	152	133	151	151	136	154	155	150	123	133	152	119	99	129	146	3,804
30-49	91	96	87	71	92	104	105	123	90	85	73	72	63	63	78	76	66	88	58	74	76	84	82	75	1,972
50-99	61	61	54	47	71	67	78	73	66	61	42	43	61	53	40	31	39	40	35	43	38	38	46	56	1,244
100-299	28	37	32	30	58	54	55	37	40	48	32	31	27	27	31	28	21	30	32	23	24	26	33	31	815
300 workers or more	4			6	3	5	8	17	15	18	1	11	7	1	1	2	1	5	9	2		4	7	5	132
total	432	493	458	393	487	507	574	536	464	448	344	368	363	341	366	347	338	347	321	353	311	316	345	373	9,625

Month of fatal and non-fatal accidents in other land cargo transportation service 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	30	34	58	24	46	42	54	49	48	33	30	30	20	33	26	26	28	31	21	37	28	26	26	30	810
February	33	37	36	35	41	47	48	48	35	35	22	27	23	32	28	37	22	36	28	25	24	20	29	29	777
March	37	55	54	38	52	47	62	59	43	44	37	37	39	29	30	39	35	28	41	33	31	30	36	25	961
April	32	41	44	29	39	44	45	49	37	45	30	34	28	32	39	30	24	34	29	36	30	27	24	38	840
May	36	34	29	32	35	32	44	49	44	41	24	25	30	31	32	18	22	23	27	24	20	22	26	26	726
June	40	44	36	24	29	42	45	38	37	39	28	27	26	31	28	40	28	27	17	21	22	27	25	39	760

July	33	50	34	34	44	37	57	37	37	50	29	41	30	24	28	31	38	26	28	36	23	29	24	33	833
August	36	41	29	42	40	49	38	34	31	30	31	30	38	18	32	15	27	26	32	29	30	28	25	24	755
September	45	38	36	23	45	45	42	48	33	43	31	33	35	21	32	29	30	28	28	33	26	28	51	26	829
October	31	37	37	38	34	48	36	36	42	20	32	27	34	33	34	34	29	27	31	26	27	35	27	32	787
November	31	34	35	35	47	34	53	39	40	33	32	27	27	32	27	27	29	33	20	31	23	20	29	37	775
December	48	48	30	39	35	40	50	50	37	35	18	30	33	25	30	21	26	28	19	22	27	24	23	34	772
total	432	493	458	393	487	507	574	536	464	448	344	368	363	341	366	347	338	347	321	353	311	316	345	373	9,625

Prefecture of fatal and non-fatal accidents in other land cargo transportation service 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	8	28	8		33		10	21	20	13	11	11	21	14	15	20	11	27	5	10	3	11	8	9	317
Aomori		3			2		4	2	3	1		2	3	5	6	2	2	3	5	5	1	3	23		75
Iwate	1	1	3				2	1	4	3	3	1						1				1			21
Miyagi	16	23	12		7		13	9	3	16	11	15	7	1	2	3	5			5	4	5	3	3	163
Akita	1	2	1		3			2		2	1	3			1	1	1	2		3	2	1	4	3	33
Yamagata	1	1	1		2			1			3		1			1		1		3	1				16
Fukushima	4	11	10		4		2	3	3	4	1		2	7	7	8	4	6	4	10	7	9	6	3	115
Ibaraki	3	3	4		12		9	3	1	5	10	7	7	7	9	7	12	7	13	6	7	10	7	13	162
Tochigi	5	3	10		9		11	5	11	4	5	9	7	6	11	7	5	16	14	15	17	13	11	10	204
Gunma	60	39	55		25		20	16	16	6	5	10	16	15	24	24	15	13	16	9	13	7	3	9	416

Saitama	12	16	27		17		22	15	22	33	12	11	12	16	10	7	9	15	10	17	15	18	20	28	364
Chiba	3	17	14		21		29	11	7	10	1	7	16	7	7	12	22	16	17	18	23	20	11	25	314
Tokyo	16	14	13		19		15	18	19	16	15	16	10	13	14	14	21	22	18	16	18	12	26	19	364
Kanagawa	26	38	42		20		22	19	12	18	12	26	16	16	26	12	19	21	4	9	13	13	11	16	411
Niigata	14	5	3		2		10	6	3	3	3		4	2	1	2	2	1	3	2	2	2	2	1	73
Toyama	3	1	5		40		25	9	23	4	13	15	18	9	8	8	6	4	3	9	7	13	14	14	251
Ishikawa	1				4			1		1	1	2	2	3			1			1	1		4	3	25
Fukui	2	7							1					1	2						2		1		16
Yamanashi							2	3	2	1	4	1	4		3			1	3	1	2	1	2	2	32
Nagano	3	3	3		4		7	5	2	2	6	5	3	9	2	7	1	1	1	6	12		5	5	92
Gifu	5	8	4		3		8	4	7	4	5	4	4	5	2	4	4	3	5	5	3	2	3	8	100
Shizuoka	8	5	5		17		24	12	7	19	9	9	11	12	13	12	10	2	15	8	5	10	5	8	226
Aichi	57	57	65		62		44	61	52	51	52	32	36	42	51	42	34	26	34	35	28	36	34	43	974
Mie		1	2		5		13	16	12	17	12	15	14	15	13	11	4	5	2	3	8	7	8	10	193
Shiga	6	4	5		3		4	11	10	7	5	12	4	1	15	3	13	13	6	8	4	5	3	1	143
Kyoto	2	3	16		17		19	21	10	6	2	9	13	3	4	3	4	3	7	2	3	4	6	6	163
Osaka	45	38	29		25		80	99	52	70	20	29	16	32	18	28	23	25	26	22	25	23	27	24	776
Hyogo	3	19	15		14		18	26	15	10	6	15	20	17	16	19	11	9	13	9	16	16	16	20	323
Nara					2		1	1			2	1	1						1	3		1		2	15
Wakayama	4	1	1				3	1	2	2	2	2	1	4	6	7	5	2	2	2	3	1	3	5	59
Tottori	1	5	3		2		1	2	7	3	5	1	1	1		2	1	2	1	1		2	2	1	44

Shimane		1			2		3	2	1			4		2		1		1					2	2	21
Okayama	26	26	20		9		16	10	14	12	8	4	10	6	6	10	6	9	4	1	3	3	10	1	214
Hiroshima	35	27	13		12		32	17	19	25	20	19	25	12	15	13	24	18	23	29	12	7	11	15	423
Yamaguchi	7	3	6		9		5	11	8	8	11	9	9	9	5	2	3	3	2	5	5	2	4	2	128
Tokushima	10	18	13		13		6	8	21	10	5	6	3	2	4	7	8	5	2		5		2	2	150
Kagawa	8	13	17		12		7	9	5	9	5	6		4	6	11	1	4	3	8	3	4	1	4	140
Ehime	2	5	7		2		5	2	3	2	2	2		2	1			1		2	3	3	1	1	46
Kochi	2	1			6		19	20	10	3			2	1		2	2				1			2	71
Fukuoka	11	10	9		7		15	16	14	14	16	11	10	16	13	13	12	13	32	19	4	8	9	9	281
Saga	5	14	3		6		8	10	6	2	7	9	5	8	1	5	3	6	3	15	11	7	11	13	158
Nagasaki	3	4			1		4	2	7	2	3	2	3		2		3	2	6	3	1	2	1	3	54
Kumamoto	2	1	3		9		5	4	7	9	10	9	9	5	9	6	7	9	4	12	8	13	6	6	153
Oita	1	2	1				5	1	1		1		3					4	1	1		3	4	3	31
Miyazaki	9	11	4		22		20	16	15	12	11	12	11	5	11	11	17	19	9	10	8	11	8	11	263
Kagoshima		1	2		1		3	2	5	8	6	3	1	3	6		5	3	3	3	1	5	4	2	67
Okinawa	1		4		2		3	2	2	1	2	2	2	3	1		2	3	1	2	1	2	3	6	45
total	432	493	458	393	487	507	574	536	464	448	344	368	363	341	366	347	338	347	321	353	311	316	345	373	9,625

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)

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

==========

Fatal accidents in other land cargo transportation service in Japan in 1999-2022

other land cargo transportation service industry Code No.040309

Type of fatal accidents in other land cargo transportation service 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							2						6
falling to same level										1	1														2
crash																									
struck by flying or falling object							1									1			1						3
collapse						2			1																3
crashed by						1			1								1		1						4
caught in/between		1	1		1	2		1					1			1				1					9
cut																									
injury to the sole of the foot																									

drown													1												1
contact to high/low-temperature																									
contact to harmful substance																									
electric shock																									
explosion																									
burst																									
fire																									
traffic accident (public road)	5	4	4	5	9	3	6	1			2	2	2		1	2	2		1	1	1				51
traffic accident (others)																									
reaction to motion/improper motion																									
others						1		2		2						1	1		1	1					9
unclassifiable																									
total	5	5	5	5	12	9	7	5	2	3	3	3	4		1	5	4		6	3	1				88

Causal agents (large) of fatal accidents in other land cargo transportation service 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	5	4	5	5	9	5	6	3	1	1	3	3	3		1	4	3		4	2	1				68
other equipment																									
temporary buildings, establishments					1																				1
substance, material							1																		1
load						2			1										1						4
environment					1	1							1												3
others						1		2		2						1	1		1	1					9
total	5	5	5	5	12	9	7	5	2	3	3	3	4		1	5	4		6	3	1				88

Causal agents (middle) of fatal accidents in other land cargo transportation service 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		1			1																				2
metal manufacturing machine																									
general machine																									
mobile silviculture machine																									
crane																									
conveying machine	4	4	5	5	6	5	4	3	1	1	3	1	3		1	3	3		4	2	1				59
vehicle	1				3		2					2				1									9
pressure vessel																									
chemical facilities																									
welding equipment																									
kiln, caldron																									
electric equipment																									
human power machine, tools																									
tools																									
other equipments,																									

facilities																									
temporary buildings, establishments					1																				1
hazards, harmful substances																									
materials							1																		1
load						2			1										1						4
natural environment					1	1							1												3
other causal agent						1																			1
no causal agent								2		2						1	1		1	1					8
unclassifiable																									
total	5	5	5	5	12	9	7	5	2	3	3	3	4		1	5	4		6	3	1				88

Causal agents (small) of fatal accidents in other land cargo transportation service 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		1			1																				2
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																									
printing machine																									
industrial robot																									
other general power machines																									
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	4	4	5	5	6	5	4	3		1	2	1	3		1	3	3		3	2	1				56
forklift									1		1								1						3
railway equipment																									
conveyor																									
loader																									
straddle carrier																									
rough terrain hauler																									
other powered conveying machines																									
cars, bus, motorcycle	1				3		2					2				1									9
railway vehicle																									
other vehicles																									
boiler																									

pressure vessel																									
other pressure vessels																									
chemical facilities																									
gas welding equipment																									
arc welding equipment																									
other welding equipment																									
kiln, caldron																									
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																									
slinging tool																									
other tools																									
other equipment, facilities																									
scaffolding																									
timbering																									
stairs, landing stage					1																				1
opening																									
roof, beam, haze, crossbeam, principal rafter																									
working platform, boot board																									
passage																									
building, establishment																									
other temporary buildings,																									

establishments																									
explosive substance																									
inflammable substance																									
inflammable gas																									
harmful substance																									
radiation																									
other hazards, harmful substances																									
metal material																									
lumber, bamboo							1																		1
stone, sand, substance																									
other materials																									
load						2			1																3
machine/equipment as load																			1						1
natural ground, rock					1	1																			2
standing tree																									
water													1												1
abnormal																									

environment																									
high/cold temperature environment																									
other environments																									
other causal agent						1																			1
no causal agent								2		2						1	1		1	1					8
unclassifiable																									
total	5	5	5	5	12	9	7	5	2	3	3	3	4		1	5	4		6	3	1				88

Workers age of fatal accidents in other land cargo transportation service 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		3			1	2	1	1	1				1						1						11
30-39	2	1	1	1	4	2	3	1		1	1	1							2						20
40-49	2		1		2	1		2		1	1	1				2	3		3	2	1				22
50-59	1	1	2	3	4	1	2	1		1	1		1			2				1					21
60 years old or more			1	1	1	3	1		1			1	2		1	1	1								14
total	5	5	5	5	12	9	7	5	2	3	3	3	4		1	5	4		6	3	1				88

Workers' number of workplace of fatal accidents in other land cargo transportation service 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	3	2	2	1	3	2	3	1	1	1	2	3	1		1	1	1		2						30
10-29	2	2	2	2	3	5	2	3	1	1	1		2			3	2		3	2					36
30-49				1	4	2	2						1						1		1				12
50-99		1		1	2											1				1					6
100-299			1					1		1															3
300 workers or more																	1								1
total	5	5	5	5	12	9	7	5	2	3	3	3	4		1	5	4		6	3	1				88

Month of fatal accidents in other land cargo transportation service 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	2				1						1								1						5
February		1			2						1	1					1								6
March		1	2	1	3			1	1			1	1						1						12
April			1		1	1	1									1	1		1						7
May		1	1	1	2	1		1		1						2									10
June		1					2	1		1							1								6

July			1	1			1			1	1	1							1	1	1				9
August				1	2	1	2						1						1	1					9
September	2					1		1	1																5
October						2									1	1			1						5
November	1			1	1			1					1							1					6
December		1				3	1						1			1	1								8
total	5	5	5	5	12	9	7	5	2	3	3	3	4		1	5	4		6	3	1				88

Prefecture of fatal accidents in other land cargo transportation service 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				2												1			1					5
Aomori																									
Iwate							1																		1
Miyagi		1					1						1												3
Akita																									
Yamagata					1																				1
Fukushima	1				1														1						3
Ibaraki																1									1
Tochigi							1																		1
Gunma	1	1										1													3

Saitama		1														1									2
Chiba					1	2	1										1								5
Tokyo								1											1						2
Kanagawa				1	1					1									1						4
Niigata																									
Toyama								1								1									2
Ishikawa																									
Fukui	1																								1
Yamanashi																			1						1
Nagano																									
Gifu						1	1																		2
Shizuoka				1													1								2
Aichi					2	1	1				1				1		1								7
Mie			1	2			1									1			1						6
Shiga								1																	1
Kyoto												1													1
Osaka						2		1	1				1			1									6
Hyogo		1			1								1								1				4
Nara																									
Wakayama																									
Tottori																									

Shimane																									
Okayama	1					1																			2
Hiroshima			1			1		1																	3
Yamaguchi		1				1					1														3
Tokushima																									
Kagawa			1																						1
Ehime			1																						1
Kochi			1		1					1															3
Fukuoka																				2					2
Saga				1	1				1			1													4
Nagasaki											1								1						2
Kumamoto										1															1
Oita																									
Miyazaki					1																				1
Kagoshima													1												1
Okinawa																									
total	5	5	5	5	12	9	7	5	2	3	3	3	4		1	5	4		6	3	1				88

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