Fatal and non-fatal accidents in general harbor transportation service in Japan in 1999-2022

general harbor transportation service industry Code No.050201

Type of accidents in general harbor 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	34	25	26	24	32	28	28	21	22	29	10	17	17	16	16	12	19	13	26	20	18	16	15	15	499
falling to same level	14	13	12	11	7	7	8	7	12	9	7	5	10	15	10	11	3	7	10	10	6	8	17	8	227
crash	11	7	13	8	6	5	6	13	2	7	7	8	3	5	6	2	5	3	4	8	1	4	7	3	144
struck by flying or falling object	19	13	10	7	15	7	7	5	6	8	5	4	6	3	7	5	7	4	3	9	7	5	4	4	170
collapse	6	4	2	4	2	8	2	3	2		2	1	2		2	2	2	1	3	4	2		2		56
crashed by	19	16	7	11	17	11	8	7	5	10	4	3	7	6	5	2	2	5	4	7	1	2	5	7	171
caught in/between	26	26	21	20	27	22	16	13	18	15	10	14	17	17	14	12	10	6	16	10	14	15	14	10	383
cut	5	2	1	1	2	1	2	3	4	3	2	1	1	1	2			2			4	1			38
injury to the sole of the foot	1							1						1											3
drown				1							1								1						3
contact to high/low-		1	2		1	1	1		1	1		2	1	1	1	1		2	1				1	1	19

temperature																									
contact to harmful substance			2		1		1		1	1															6
electric shock							1																		1
explosion																									
burst																									
fire								1			1														2
traffic accident (public road)	4	3	5	3	3		1	2	5	1	3	1	2	1	1	2	1	3		2	4		1		48
traffic accident (others)			1						1								1								3
reaction to motion/improper motion	7	10	6	11	10	14	5	8	9	6	6	11	13	6	6	5	5	5	8	2	7	6	4	6	176
others					2		1	1								2	1				1	1	10		19
unclassifiable								1													1				2
total	146	120	108	101	125	104	87	86	88	90	58	67	79	72	70	56	56	51	76	72	66	58	80	54	1,970

Causal agents (large) of fatal and non-fatal accidents in general harbor 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	4	5	1	3	5	3	2	2	3	7	3	1	5	3	2			1	5	4	2	3	5	2	71

crane, conveying machine	62	53	37	42	43	34	30	34	37	39	20	20	23	27	24	20	23	12	25	21	21	21	28	17	713
other equipment	22	11	20	14	19	11	15	14	11	13	9	6	9	10	11	8	8	10	10	12	11	8	10	11	283
temporary buildings, establishments	11	15	12	11	20	14	14	13	10	8	9	18	15	9	10	10	11	10	12	16	4	15	12	10	289
substance, material	19	13	12	10	15	11	16	4	13	9	7	4	9	6	6	7	4	9	8	6	15	1	2	4	210
load	20	16	20	16	18	25	9	13	12	11	8	10	7	10	13	6	8	6	9	9	8	6	6	6	272
environment	1	1	1	1	2	1	1	1	1		1	2	1	2	1	2	1	2	2	1	1	1	3	2	32
others	7	6	5	4	3	5		5	1	3	1	6	10	5	3	3	1	1	5	3	4	3	14	2	100
total	146	120	108	101	125	104	87	86	88	90	58	67	79	72	70	56	56	51	76	72	66	58	80	54	1,970

Causal agents (middle) of fatal and non-fatal accidents in general harbor 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								2															3
power transmission mechanism		2			1																				3
woodworking machine				1		1		1		1	1		1							1					7

construction machine	1	1		2	3	2	1	1		4	1	1	3	2	1			1	5	1	1	1	4	1	37
metal manufacturing machine	1	1	1						2		1													1	7
general machine	2				1		1		1				1	1	1					1	1	2	1		13
mobile silviculture machine																				1					1
crane	13	10	8	9	9	9	5	3	4	7	4	4	7	7	6	6	4		8	3	4	4	5	3	142
conveying machine	39	36	22	26	29	20	23	22	19	23	14	13	12	15	16	11	12	9	14	11	11	15	15	11	438
vehicle	10	7	7	7	5	5	2	9	14	9	2	3	4	5	2	3	7	3	3	7	6	2	8	3	133
pressure vessel																									
chemical facilities					1																				1
welding equipment																									
kiln, caldron																									
electric equipment							1																		1
human power machine, tools	5	2	1	2	4	1	3	4	1	3	4	1	1	1	1	1		1	1	2	3		1	3	46
tools	13	7	19	11	12	9	9	7	7	9	4	3	8	7	7	7	7	9	9	10	7	7	9	8	205
other equipments,																									

facilities	4	2		1	2	1	2	3	3	1	1	2		2	3		1				1	1			30
temporary buildings, establishments	11	15	12	11	20	14	14	13	10	8	9	18	15	9	10	10	11	10	12	16	4	15	12	10	289
hazards, harmful substances			2				1		1	1	1					1								1	8
materials	19	13	10	10	15	11	15	4	12	8	6	4	9	6	6	6	4	9	8	6	15	1	2	3	202
load	20	16	20	16	18	25	9	13	12	11	8	10	7	10	13	6	8	6	9	9	8	6	6	6	272
natural environment	1	1	1	1	2	1	1	1	1		1	2	1	2	1	2	1	2	2	1	1	1	3	2	32
other causal agent	5	4	2					2		1					1	1			1	2	1	1	10		31
no causal agent	2	2	3	4	3	5		2	1	2	1	6	10	5	2	2	1	1	4	1	2	2	4	2	67
unclassifiable								1													1				2
total	146	120	108	101	125	104	87	86	88	90	58	67	79	72	70	56	56	51	76	72	66	58	80	54	1,970

Causal agents (small) of fatal and non-fatal accidents in general harbor 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										2															2
power transmission mechanism					1																				1

circular sawing machine								1		1			1												3
band sawing machine																									
wood planer machine																									
hollow chisel mortiser, wood borer																									
chamfering machine, router, woodworking milling machine																									
chain saw											1									1					2
other woodworking machines																									
leveling, transporting or loading machine					2		1	1		2		1			1			1	3	1			4		17
excavating machine					1					2	1		3	1					2		1	1		1	13
foundation work machine																									
hardening machine																									

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

injection molding machine																									
food manufacturing machine																									
printing machine																									
industrial robot																									
other general power machines					1		1						1	1	1					1	1	2	1		10
felling machine																									
mobile logging machine																									
skyline yarding machine																									
other mobile silviculture machine																				1					1
crane			1		2		4	1	2	5	3	2	5	6	3	4	2		3		1	2	4	3	53
mobile crane			5		5		1	2	2	1		1	1	1	1	1	1		4	1	2	1	1		31
derrick crane																									
elevator, lift			1		1					1															3
cargo lifting appliance			1		1							1	1		2	1			1	2		1			11
gondola																	1								1

lumberyard equipment, logging cableway																					1				1
simple skyline yarding equipment																									
other powered crane											1														1
truck			7		11		12	14	11	11	8	6	4	6	8	5	9	5	7	3	8	4	8	7	154
forklift			10		15		10	8	6	11	5	6	7	6	8	3	3	2	5	7	2	9	7	4	134
railway equipment														1											1
conveyor					1				2		1									1	1				6
loader			1		1								1	1		1		1	1			1			8
straddle carrier					1					1				1				1							4
rough terrain hauler																									
other powered conveying machines			4				1					1				2			1			1			10
cars, bus, motorcycle			5		3			5	6	2				2	1	2	2	2		2	4	1	2	2	41
railway vehicle																									
other vehicles			2		2		2	4	8	7	2	3	4	3	1	1	5	1	3	5	2	1	6	1	63
boiler																									

pressure vessel																									
other pressure vessels																									
chemical facilities					1																				1
gas welding equipment																									
arc welding equipment																									
other welding equipment																									
kiln, caldron																									
industrial dryer																									
other kiln, caldron																									
transmission																									
electric power facilities							1																		1
other electrical equipment																									
human power cranes															1								1	1	3
human power hauling equipment					4				1	2	2					1				1	1			2	14

human power machine								2																	2
hand tool			1				3	2		1	2	1	1	1				1	1	1	2				17
ladder			7		2		2	1	1	3	1	2	5	3	1	3	4	1	3	5	3	2	3	3	55
slinging tool			2		3		2	1	2	1	2			1	2		1	2	2	2	2	1	2		28
other tools			10		7		5	5	4	5	1	1	3	3	4	4	2	6	4	3	2	4	4	5	82
other equipment, facilities					2		2	3	3	1	1	2		2	3		1				1	1			22
scaffolding					2				1																3
timbering																									
stairs, landing stage			2		6		4	2	2		1	5	4	1	2	3	1	2	5	3	1	3	1	2	50
opening							1		1		1	2	1	1						3	1		1		12
roof, beam, haze, crossbeam, principal rafter			1		1																				2
working platform, boot board			4		1			4			1	4	2	1	1	2	4	2	3	1	1	1	2	2	36
passage			2		7		3	3	3	1	5	4	3	4	5	2	5	3	3	6		8	7	3	77
building, establishment					2		5	3	1	5		1	4	2	1	2		2		3	1	1	1	1	35
other temporary buildings,			3		1		1	1	2	2	1	2	1		1	1	1	1	1			2		2	23

establishments																									
explosive substance																									
inflammable substance											1														1
inflammable gas																									
harmful substance			2						1	1						1									5
radiation																									
other hazards, harmful substances							1																	1	2
metal material			7		8		7	3	7	3	5	1	5	5	4	4	2	7	5	3	12	1	1	3	93
lumber, bamboo			3		7		7	1	5	4	1	3	2	1	2	2	1	1	2	3	2				47
stone, sand, substance																			1		1				2
other materials							1			1			2				1	1					1		7
load			20		18		9	13	12	10	6	9	7	10	12	6	8	5	9	9	8	6	6	5	188
machine/equipment as load										1	2	1			1			1						1	7
natural ground, rock								1															1		2
standing tree																									
water																					1			1	2
abnormal																									

environment											1														1
high/cold temperature environment			1		1		1					2	1			1		2	1				1		11
other environments					1				1					2	1	1	1		1	1		1	1	1	12
other causal agent			2					2		1					1	1			1	2	1	1	10		22
no causal agent			3		3			2	1	2	1	6	10	5	2	2	1	1	4	1	2	2	4	2	54
unclassifiable								1													1				2
total	146	120	108	101	125	104	87	86	88	90	58	67	79	72	70	56	56	51	76	72	66	58	80	54	1,970

Workers age of fatal and non-fatal accidents in general harbor 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	2	1		1	1	1		1	5	3	4	2		2	1	1	1		2	2	1	1	2	2	36
20-29	30	22	12	14	17	13	13	21	10	14	8	6	12	16	11	9	12	6	6	11	3	7	10	7	290
30-39	32	27	27	22	29	25	23	14	24	23	13	10	20	10	19	8	10	12	21	12	11	11	13	9	425
40-49	27	28	19	19	27	18	12	13	21	16	13	20	27	16	16	16	13	16	23	22	22	15	25	15	459
50-59	41	39	45	34	41	34	27	27	17	23	14	16	12	15	15	14	13	11	14	17	22	16	18	15	540
60 years old or more	14	3	5	11	10	13	12	10	11	11	6	13	8	13	8	8	7	6	10	8	7	8	12	6	220
total	146	120	108	101	125	104	87	86	88	90	58	67	79	72	70	56	56	51	76	72	66	58	80	54	1,970

Workers' number of workplace of fatal and non-fatal accidents in general harbor 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	13	13	3	16	12	16	11	11	5	13	6	7	8	6	4	8	8	5	8	7	5	6	7	4	202
10-29	33	28	32	28	39	22	23	25	27	22	16	25	18	19	26	16	16	15	21	18	19	13	12	16	529
30-49	20	14	19	15	21	13	15	17	14	15	11	8	9	13	13	7	8	11	9	14	17	13	10	8	314
50-99	37	24	25	18	23	23	23	14	19	12	15	15	27	18	19	13	12	12	13	16	18	19	27	14	456
100-299	40	32	26	21	29	26	12	17	18	26	10	12	16	15	8	11	11	7	23	16	6	7	22	10	421
300 workers or more	3	9	3	3	1	4	3	2	5	2			1	1		1	1	1	2	1	1		2	2	48
total	146	120	108	101	125	104	87	86	88	90	58	67	79	72	70	56	56	51	76	72	66	58	80	54	1,970

Month of fatal and non-fatal accidents in general harbor 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	14	15	16	11	7	8	2	8	9	13	7	8	8	4	6	6	5	2	8	10	6	7	5	4	189
February	21	16	8	13	7	7	8	6	4	14	5	4	6	8	8	4	6	2	2	6	2	7	7	5	176
March	17	5	7	3	15	13	7	6	6	7	3	4	6	4	7	6	7	5	8	9	5	8	4	6	168
April	14	7	8	5	9	10	7	13	7	7	6	8	6	6	5	6	9	4	6	3	8	4	6	2	166
May	8	9	3	11	12	7	8	5	6	9	2	5	5	11	4	5	2	5	8	4	8	2	5	2	146
June	10	11	10	7	9	9	12	9	10	6	3	7	8	5	4	3	4	6	8	6	6	6	6	7	172

July	5	6	13	12	11	10	5	6	7	6	9	5	8	4	4	4	3	7	3	7	7	4	13	5	164
August	9	11	10	7	8	4	4	6	7	6		9	6	7	7	4	2	2	4	4	7	4	8	4	140
September	13	9	11	9	9	8	8	5	11	4	7	4	5	4	9	5	5	4	5	5	5	4	8	6	163
October	11	10	10	10	16	8	6	7	13	7	5	3	4	3	7	5	5	4	4	6	5	4	9	4	166
November	13	12	8	9	14	7	10	9	2	7	6	5	8	6	8	4	3	3	10	6	5	3	2	2	162
December	11	9	4	4	8	13	10	6	6	4	5	5	9	10	1	4	5	7	10	6	2	5	7	7	158
total	146	120	108	101	125	104	87	86	88	90	58	67	79	72	70	56	56	51	76	72	66	58	80	54	1,970

Prefecture of fatal and non-fatal accidents in general harbor 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	5	5			8		6	3	1	2	5	2	9	5	7		5		5	6	6	10	13	6	109
Aomori	2		2		1				2	1		2				2			1	1					14
Iwate	3	1	1													1			1						7
Miyagi	1		2		3		1	1		1	1				1	1			5	2	2				21
Akita	2									1												1			4
Yamagata										1	1			1			1			1					5
Fukushima												2	1				1		2				3	1	10
Ibaraki		3			1		1	1		2		4	4	1			3	3	2	2			3	1	31
Tochigi																									
Gunma																									

Saitama													1	1											2
Chiba	4	5	2		2		4	7	1	10	2	2	2	3	1	3	1	1	4	2		1	4	4	65
Tokyo	14	7	15		9		6	2	4	10	2	3	3	3	5	4	7	7	3	6	5	2	7	2	126
Kanagawa	21	12	7		10		8	9	14	14	5	8	4	5	8	4	4	2	7	8		5	3	3	161
Niigata		3			3			1			1		1		2	4	1	1	2				1		20
Toyama													1	2	1										4
Ishikawa		1	1		3		1							1	1				1					1	10
Fukui	1	1			1		1																		4
Yamanashi																									
Nagano																									
Gifu														1											1
Shizuoka	3	2	2		1		4		1	1	1	1		1			1	1	1		1	1	1		23
Aichi	5	10	5		7		3	8	8	3	4	1	7	5	4	6	7	2	6	5	8	10	3	3	120
Mie			1		2		1	1	5	1	1		1			1				1			1		16
Shiga																									
Kyoto		1	1																						2
Osaka	27	26	18		35		19	19	18	19	14	15	13	11	15	11	5	5	2	8	5	4	2	10	301
Hyogo	18	14	15		11		8	10	6	5	6	4	7	8	7	2	7	6	10	4	8	3	7	3	169
Nara																		1							1
Wakayama	3	1	4		3		2		2	1	2		2		1	1							1		23
Tottori								1	1				1									1			4

Shimane																									
Okayama	3	3	3		2			1	1			3		1				1	2	2	1	3		2	28
Hiroshima	3	3	5		1		3	1	5	2	2	4	4	2	3	2	3	1		6	3	1	1	1	56
Yamaguchi	1	1			1		1									2		2	1			1	1		11
Tokushima		1	1				3												1						6
Kagawa	2	4	4				4	3	2	3	1	3	1	3	5	2	1	4	6	2	5	3	3	6	67
Ehime	3	5	3		4		2	5	4	2	1	2		2	1	1	1	1				2	1		40
Kochi			2		2								1												5
Fukuoka	5	5	3		4		2	3	6	2	4	5	6	10	4	4	3	6	5	8	7	5	15	3	115
Saga	2	2	1		3		1	2	1	1		1		1	1	3									19
Nagasaki	5	1	3		2					2	2		1		1	1				1	2		2	1	24
Kumamoto	2							2									1			2					7
Oita	2	1	1											1	1				1		1		1		9
Miyazaki											1									1	2				4
Kagoshima	4	1	4		2		1	3	5	4	1	3	5	3	1		2	4	7	3	8	1	2	3	67
Okinawa	5	1	2		4		5	3	1	2	1	2	4	1		1	2	3	1	1	2	4	5	4	54
total	146	120	108	101	125	104	87	86	88	90	58	67	79	72	70	56	56	51	76	72	66	58	80	54	1,970

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 general harbor transportation service in Japan in 1999-2022

general harbor transportation service industry Code No.050201

Type of fatal accidents in general harbor 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													4
falling to same level																									
crash							1																		1
struck by flying or falling object			1																	1					2
collapse										1															1
crashed by		1					1						1												3
caught in/between						1		1					1		1			1							5
cut																									
injury to the sole of the foot																									

drown				1															1						2
contact to high/low-temperature				1																					1
contact to harmful substance																									
electric shock																									
explosion																									
burst																									
fire																									
traffic accident (public road)																					1				1
traffic accident (others)																									
reaction to motion/improper motion																									
others																	1								1
unclassifiable																									
total		1	3	2	1	1	2	1		1		1	2		1		1	1	1	1	1				21

Causal agents (large) of fatal accidents in general harbor 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																									
crane, conveying machine			1			1	2	1				1	2		1			1	1		1				12
other equipment										1															1
temporary buildings, establishments			1	1	1																				3
substance, material																									
load		1	1																	1					3
environment				1																					1
others																	1								1
total		1	3	2	1	1	2	1		1		1	2		1		1	1	1	1	1				21

Causal agents (middle) of fatal accidents in general harbor 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																									
metal manufacturing machine																									
general machine																									
mobile silviculture machine																									
crane						1						1													2
conveying machine							2	1					2		1			1							7
vehicle			1																1		1				3
pressure vessel																									
chemical facilities																									
welding equipment																									
kiln, caldron																									
electric equipment																									
human power machine, tools																									
tools										1															1
other equipments,																									

facilities																									
temporary buildings, establishments			1	1	1																				3
hazards, harmful substances																									
materials																									
load		1	1																	1					3
natural environment				1																					1
other causal agent																									
no causal agent																	1								1
unclassifiable																									
total		1	3	2	1	1	2	1		1		1	2		1		1	1	1	1	1				21

Causal agents (small) of fatal accidents in general harbor 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																									
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						1																			1
mobile crane																									
derrick crane																									
elevator, lift																									
cargo lifting appliance												1													1
gondola																									

lumberyard equipment, logging cableway																									
simple skyline yarding equipment																									
other powered crane																									
truck							2																		2
forklift								1					1		1			1							4
railway equipment																									
conveyor																									
loader													1												1
straddle carrier																									
rough terrain hauler																									
other powered conveying machines																									
cars, bus, motorcycle																					1				1
railway vehicle																									
other vehicles			1																1						2
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										1															1
other equipment, facilities																									
scaffolding																									
timbering																									
stairs, landing stage																									
opening																									
roof, beam, haze, crossbeam, principal rafter			1		1																				2
working platform, boot board																									
passage																									
building, establishment																									
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		1	1																	1					3
machine/equipment as load																									
natural ground, rock																									
standing tree																									
water																									
abnormal																									

environment																									
high/cold temperature environment				1																					1
other environments																									
other causal agent																									
no causal agent																	1								1
unclassifiable																									
total		1	3	2	1	1	2	1		1		1	2		1		1	1	1	1	1				21

Workers age of fatal accidents in general harbor 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																				1					1
30-39			1	1	1					1			2		1		1	1	1		1				11
40-49			1									1													2
50-59		1	1	1		1	2	1																	7
60 years old or more																									
total		1	3	2	1	1	2	1		1		1	2		1		1	1	1	1	1				21

Workers' number of workplace of fatal accidents in general harbor 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				1																					1
10-29		1		1			1			1			1					1							6
30-49					1														1		1				3
50-99			3			1		1				1	1		1										8
100-299							1										1			1					3
300 workers or more																									
total		1	3	2	1	1	2	1		1		1	2		1		1	1	1	1	1				21

Month of fatal accidents in general harbor 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						1													1						2
February			2	1																					3
March																									
April		1	1										1		1		1								5
May																		1							1
June					1		1																		2

July																				1					1
August				1						1		1									1				4
September																									
October																									
November																									
December							1	1					1												3
total		1	3	2	1	1	2	1		1		1	2		1		1	1	1	1	1				21

Prefecture of fatal accidents in general harbor 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									1		1										3
Aomori			1									1													2
Iwate																									
Miyagi																									
Akita																									
Yamagata																									
Fukushima																									
Ibaraki																				1					1
Tochigi																									
Gunma																									

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

Shimane																									
Okayama			1				1																		2
Hiroshima		1											1												2
Yamaguchi																									
Tokushima																									
Kagawa																									
Ehime								1																	1
Kochi																									
Fukuoka																									
Saga																									
Nagasaki																									
Kumamoto																									
Oita																									
Miyazaki																									
Kagoshima					1																				1
Okinawa																									
total		1	3	2	1	1	2	1		1		1	2		1		1	1	1	1	1				21

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

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