

Fatal and non-fatal accidents in general harbor transportation service in Japan in 1999-2021

general harbor transportation service industry Code No.050201

Type of accidents in general harbor transportation service in 1999-2021

Type of accidents	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Type of accidents
fall from height	34	25	26	24	32	28	28	21	22	29	10	17	17	16	16	12	19	13	26	20	18	16	15	484	fall from height
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	219	falling to same level
crash	11	7	13	8	6	5	6	13	2	7	7	8	3	5	6	2	5	3	4	8	1	4	7	141	crash
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	166	struck by flying or falling object
collapse	6	4	2	4	2	8	2	3	2		2	1	2		2	2	2	1	3	4	2		2	56	collapse
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	164	crashed by
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	373	caught in/between
cut	5	2	1	1	2	1	2	3	4	3	2	1	1	1	2			2			4	1		38	cut
injury to the sole of the foot	1							1						1										3	injury to the sole of the foot
drown				1							1								1					3	drown
contact to high/low-temperature		1	2		1	1	1		1	1		2	1	1	1	1		2	1				1	18	contact to high/low-temperature

contact to harmful substance			2		1		1		1	1													6	contact to harmful substance	
electric shock							1																1	electric shock	
explosion																								explosion	
burst																								burst	
fire								1			1												2	fire	
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 (public road)
traffic accident (others)			1						1								1							3	traffic accident (others)
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	170	reaction to motion/improper motion
others					2		1	1								2	1				1	1	10	19	others
unclassifiable								1													1			2	unclassifiable
total	146	120	108	101	125	104	87	86	88	90	58	67	79	72	70	56	56	51	76	72	66	58	80	1,916	total

Causal agents (large) of fatal and non-fatal accidents in general harbor transportation service in 1999-2021

[illegible]

machine	62	53	37	42	43	34	30	34	37	39	20	20	23	27	24	20	23	12	25	21	21	21	28	696	conveying machine
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	272	other equipment
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	279	temporary buildings, establishments
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	206	substance, material
load	20	16	20	16	18	25	9	13	12	11	8	10	7	10	13	6	8	6	9	9	8	6	6	266	load
environment	1	1	1	1	2	1	1	1	1		1	2	1	2	1	2	1	2	2	1	1	1	3	30	environment
others	7	6	5	4	3	5		5	1	3	1	6	10	5	3	3	1	1	5	3	4	3	14	98	others
total	146	120	108	101	125	104	87	86	88	90	58	67	79	72	70	56	56	51	76	72	66	58	80	1,916	total

Causal agents (middle) of fatal and non-fatal accidents in general harbor transportation service in 1999-2021

[illegible]

[illegible]

tools	13	7	19	11	12	9	9	7	7	9	4	3	8	7	7	7	7	9	9	10	7	7	9	197	tools
other equipments, facilities	4	2		1	2	1	2	3	3	1	1	2		2	3		1				1	1		30	other equipments, facilities
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	279	temporary buildings, establishments
hazards, harmful substances			2				1		1	1	1					1								7	hazards, harmful substances
materials	19	13	10	10	15	11	15	4	12	8	6	4	9	6	6	6	4	9	8	6	15	1	2	199	materials
load	20	16	20	16	18	25	9	13	12	11	8	10	7	10	13	6	8	6	9	9	8	6	6	266	load
natural environment	1	1	1	1	2	1	1	1	1		1	2	1	2	1	2	1	2	2	1	1	1	3	30	natural environment
other causal agent	5	4	2					2		1					1	1			1	2	1	1	10	31	other causal agent
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	65	no causal agent
unclassifiable								1													1			2	unclassifiable
total	146	120	108	101	125	104	87	86	88	90	58	67	79	72	70	56	56	51	76	72	66	58	80	1,916	total

Causal agents (small) of fatal and non-fatal accidents in general harbor transportation service in 1999-2021

[illegible]

engine									2														2	engine
power transmission mechanism					1																		1	power transmission mechanism
circular sawing machine								1	1		1												3	circular sawing machine
band sawing machine																								band sawing machine
wood planer machine																								wood planer machine
hollow chisel mortiser, wood borer																								hollow chisel mortiser, wood borer
chamfering machine, router, woodworking milling machine																								chamfering machine, router, woodworking milling machine
chain saw										1								1					2	chain saw
other woodworking machines																								other woodworking machines
leveling, transporting or loading machine					2		1	1		2		1			1		1	3	1			4	17	leveling, transporting or loading machine
excavating machine					1					2	1		3	1				2		1	1		12	excavating machine
foundation work machine																								foundation work machine

[illegible]

machine																									machine
food manufacturing machine																									food manufacturing machine
printing machine																									printing machine
industrial robot																									industrial robot
other general power machines					1		1						1	1	1					1	1	2	1	10	other general power machines
felling machine																									felling machine
mobile logging machine																									mobile logging machine
skyline yarding machine																									skyline yarding machine
other mobile silviculture machine																			1					1	other mobile silviculture machine
crane			1		2		4	1	2	5	3	2	5	6	3	4	2		3		1	2	4	50	crane
mobile crane			5		5		1	2	2	1		1	1	1	1	1	1		4	1	2	1	1	31	mobile crane
derrick crane																									derrick crane
elevator, lift			1		1					1														3	elevator, lift
cargo lifting appliance			1		1							1	1		2	1			1	2		1		11	cargo lifting appliance
gondola																1								1	gondola
lumberyard equipment, logging cableway																					1			1	lumberyard equipment, logging cableway

[illegible]

facilities					2		2	3	3	1	1	2		2	3		1				1	1		22	facilities
scaffolding					2				1															3	scaffolding
timbering																									timbering
stairs, landing stage			2		6		4	2	2		1	5	4	1	2	3	1	2	5	3	1	3	1	48	stairs, landing stage
opening							1		1		1	2	1	1						3	1		1	12	opening
roof, beam, haze, crossbeam, principal rafter			1		1																			2	roof, beam, haze, crossbeam, principal rafter
working platform, boot board			4		1			4			1	4	2	1	1	2	4	2	3	1	1	1	2	34	working platform, boot board
passage			2		7		3	3	3	1	5	4	3	4	5	2	5	3	3	6		8	7	74	passage
building, establishment					2		5	3	1	5		1	4	2	1	2		2		3	1	1	1	34	building, establishment
other temporary buildings, establishments			3		1		1	1	2	2	1	2	1		1	1	1	1	1			2		21	other temporary buildings, establishments
explosive substance																									explosive substance
inflammable substance											1													1	inflammable substance
inflammable gas																									inflammable gas
harmful substance			2						1	1						1								5	harmful substance
radiation																									radiation
other hazards, harmful substances							1																	1	other hazards, harmful substances

metal material			7		8		7	3	7	3	5	1	5	5	4	4	2	7	5	3	12	1	1	90	metal material
lumber, bamboo			3		7		7	1	5	4	1	3	2	1	2	2	1	1	2	3	2			47	lumber, bamboo
stone, sand, substance																			1		1			2	stone, sand, substance
other materials							1			1			2				1	1					1	7	other materials
load			20		18		9	13	12	10	6	9	7	10	12	6	8	5	9	9	8	6	6	183	load
machine/equipment as load										1	2	1			1			1						6	machine/equipment as load
natural ground, rock								1															1	2	natural ground, rock
standing tree																									standing tree
water																					1			1	water
abnormal environment											1													1	abnormal environment
high/cold temperature environment			1		1		1					2	1			1		2	1				1	11	high/cold temperature environment
other environments					1				1					2	1	1	1		1	1		1	1	11	other environments
other causal agent			2					2		1					1	1			1	2	1	1	10	22	other causal agent
no causal agent			3		3			2	1	2	1	6	10	5	2	2	1	1	4	1	2	2	4	52	no causal agent
unclassifiable								1													1			2	unclassifiable
total			108		125		87	86	88	90	58	67	79	72	70	56	56	51	76	72	66	58	80	1,445	total

Workers age of fatal and non-fatal accidents in general harbor transportation service in 1999-2021

Age	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Age
19 years old or less	2	1		1	1	1		1	5	3	4	2		2	1	1	1		2	2	1	1	2	34	19 years old or less
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	283	20-29
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	416	30-39
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	444	40-49
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	525	50-59
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	214	60 years old or more
total	146	120	108	101	125	104	87	86	88	90	58	67	79	72	70	56	56	51	76	72	66	58	80	1,916	total

Workers' number of workplace of fatal and non-fatal accidents in general harbor transportation service in 1999-2021

Workers scale	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Workers scale
9 workers or less	13	13	3	16	12	16	11	11	5	13	6	7	8	6	4	8	8	5	8	7	5	6	7	198	9 workers or less
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	513	10-29
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	306	30-49
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	442	50-99
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	411	100-299
300 workers or more	3	9	3	3	1	4	3	2	5	2			1	1		1	1	1	2	1	1		2	46	300 workers or more
total	146	120	108	101	125	104	87	86	88	90	58	67	79	72	70	56	56	51	76	72	66	58	80	1,916	total

Month of fatal and non-fatal accidents in general harbor transportation service in 1999-2021

Month	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Month
January	14	15	16	11	7	8	2	8	9	13	7	8	8	4	6	6	5	2	8	10	6	7	5	185	January
February	21	16	8	13	7	7	8	6	4	14	5	4	6	8	8	4	6	2	2	6	2	7	7	171	February
March	17	5	7	3	15	13	7	6	6	7	3	4	6	4	7	6	7	5	8	9	5	8	4	162	March
April	14	7	8	5	9	10	7	13	7	7	6	8	6	6	5	6	9	4	6	3	8	4	6	164	April
May	8	9	3	11	12	7	8	5	6	9	2	5	5	11	4	5	2	5	8	4	8	2	5	144	May
June	10	11	10	7	9	9	12	9	10	6	3	7	8	5	4	3	4	6	8	6	6	6	6	165	June
July	5	6	13	12	11	10	5	6	7	6	9	5	8	4	4	4	3	7	3	7	7	4	13	159	July
August	9	11	10	7	8	4	4	6	7	6		9	6	7	7	4	2	2	4	4	7	4	8	136	August
September	13	9	11	9	9	8	8	5	11	4	7	4	5	4	9	5	5	4	5	5	5	4	8	157	September
October	11	10	10	10	16	8	6	7	13	7	5	3	4	3	7	5	5	4	4	6	5	4	9	162	October
November	13	12	8	9	14	7	10	9	2	7	6	5	8	6	8	4	3	3	10	6	5	3	2	160	November
December	11	9	4	4	8	13	10	6	6	4	5	5	9	10	1	4	5	7	10	6	2	5	7	151	December
total	146	120	108	101	125	104	87	86	88	90	58	67	79	72	70	56	56	51	76	72	66	58	80	1,916	total

Prefecture of fatal and non-fatal accidents in general harbor transportation service in 1999-2021

Prefecture	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Prefecture
Hokkaido	5	5			8		6	3	1	2	5	2	9	5	7		5		5	6	6	10	13	103	Hokkaido
Aomori	2		2		1				2	1		2				2			1	1				14	Aomori
Iwate	3	1	1													1			1					7	Iwate

[illegible]

Osaka	27	26	18		35		19	19	18	19	14	15	13	11	15	11	5	5	2	8	5	4	2	291	Osaka
Hyogo	18	14	15		11		8	10	6	5	6	4	7	8	7	2	7	6	10	4	8	3	7	166	Hyogo
Nara																	1						1	Nara	
Wakayama	3	1	4		3		2		2	1	2		2		1	1						1	23	Wakayama	
Tottori								1	1				1									1		4	Tottori
Shimane																									Shimane
Okayama	3	3	3		2			1	1			3		1				1	2	2	1	3		26	Okayama
Hiroshima	3	3	5		1		3	1	5	2	2	4	4	2	3	2	3	1		6	3	1	1	55	Hiroshima
Yamaguchi	1	1			1		1									2		2	1			1	1	11	Yamaguchi
Tokushima		1	1				3												1					6	Tokushima
Kagawa	2	4	4				4	3	2	3	1	3	1	3	5	2	1	4	6	2	5	3	3	61	Kagawa
Ehime	3	5	3		4		2	5	4	2	1	2		2	1	1	1	1				2	1	40	Ehime
Kochi			2		2								1											5	Kochi
Fukuoka	5	5	3		4		2	3	6	2	4	5	6	10	4	4	3	6	5	8	7	5	15	112	Fukuoka
Saga	2	2	1		3		1	2	1	1		1		1	1	3								19	Saga
Nagasaki	5	1	3		2					2	2		1		1	1				1	2		2	23	Nagasaki
Kumamoto	2							2									1			2				7	Kumamoto
Oita	2	1	1											1	1				1		1		1	9	Oita
Miyazaki											1									1	2			4	Miyazaki
Kagoshima	4	1	4		2		1	3	5	4	1	3	5	3	1		2	4	7	3	8	1	2	64	Kagoshima
Okinawa	5	1	2		4		5	3	1	2	1	2	4	1		1	2	3	1	1	2	4	5	50	Okinawa
total	146	120	108		125		87	86	88	90	58	67	79	72	70	56	56	51	76	72	66	58	80	1,711	total

[illegible]

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

Causal agents (large) of fatal accidents in general harbor transportation service in 1999-2021

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	total	Causal (L) agents	
machine																									machine	
crane, conveying machine			1			1	2	1				1	2		1			1	1		1				12	crane, conveying machine
other equipment										1														1	other equipment	
temporary buildings, establishments			1	1	1																			3	temporary buildings, establishments	
substance, material																									substance, material	
load		1	1																	1				3	load	
environment				1																				1	environment	
others																	1							1	others	
total		1	3	2	1	1	2	1		1		1	2		1		1	1	1	1	1			21	total	

Causal agents (middle) of fatal accidents in general harbor transportation service in 1999-2021

[illegible]

[illegible]

[illegible]

total		1	3	2	1	1	2	1		1		1	2		1		1	1	1	1	1			21	total
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Causal agents (small) of fatal accidents in general harbor transportation service in 1999-2021

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

hand tool																									hand tool
ladder																									ladder
slinging tool																									slinging tool
other tools									1														1		other tools
other equipment, facilities																									other equipment, facilities
scaffolding																									scaffolding
timbering																									timbering
stairs, landing stage																									stairs, landing stage
opening																									opening
roof, beam, haze, crossbeam, principal rafter			1		1																			2	roof, beam, haze, crossbeam, principal rafter
working platform, boot board																									working platform, boot board
passage																									passage
building, establishment																									building, establishment
other temporary buildings, establishments				1																				1	other temporary buildings, establishments
explosive substance																									explosive substance
inflammable substance																									inflammable substance

[illegible]

no causal agent																	1								1	no causal agent
unclassifiable																										unclassifiable
total		1	3	2	1	1	2	1		1		1	2		1		1	1	1	1	1				21	total

Workers age of fatal accidents in general harbor transportation service in 1999-2021

Age	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Age
19 years old or less																									19 years old or less
20-29																				1				1	20-29
30-39			1	1	1					1			2		1		1	1	1		1			11	30-39
40-49			1									1												2	40-49
50-59		1	1	1		1	2	1																7	50-59
60 years old or more																									60 years old or more
total		1	3	2	1	1	2	1		1		1	2		1		1	1	1	1	1			21	total

Workers' number of workplace of fatal accidents in general harbor transportation service in 1999-2021

[illegible]

100-299							1									1			1				3	100-299
300 workers or more																								300 workers or more
total		1	3	2	1	1	2	1		1		1	2		1		1	1	1	1	1		21	total

Month of fatal accidents in general harbor transportation service in 1999-2021

Month	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Month
January						1												1						2	January
February			2	1																				3	February
March																									March
April		1	1										1		1		1							5	April
May																	1							1	May
June					1		1																	2	June
July																				1				1	July
August				1						1		1									1			4	August
September																									September
October																									October
November																									November
December							1	1					1											3	December
total		1	3	2	1	1	2	1		1		1	2		1		1	1	1	1	1			21	total

Prefecture of fatal accidents in general harbor transportation service in 1999-2021

[illegible]

[illegible]

Miyazaki																										Miyazaki
Kagoshima					1																				1	Kagoshima
Okinawa																										Okinawa
total		1	3	2	1	1	2	1		1		1	2		1		1	1	1	1	1	1			21	total

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

Return to https://www.jisha.or.jp/english/statistics/2021e_industry.html