

Fatal and non-fatal accidents in ship building in Japan in 1999-2021

ship building industry Code No.011501

Type of accidents in ship building in 1999-2021

[illegible]

contact to harmful substance	8	7	3	9	6	3	6	5	5	4	2	4	3		3	4	7	2	8	3		6	2	100	contact to harmful substance
electric shock	5	4	2	2		2	2	4	7	7	1		4	2	1		5	1		1	1	4		55	electric shock
explosion	8	3	3	3	5	7	3	1	9	2		1	4	6		8	2		3	1	2		2	73	explosion
burst	1			3	2	1	1	2	1	1			2				1		1	1	3		2	22	burst
fire	5	4	1	2	1	4	5	7	4	6	10	1	5	7	5	6	3	2	1	3	1	4	3	90	fire
traffic accident (public road)	3	11	4	1	3	17	2	8	3	5	2	8	1	3	3	2	6		2	2	4	3	3	96	traffic accident (public road)
traffic accident (others)		1		1	1			1					1	1	1		1							8	traffic accident (others)
reaction to motion/improper motion	47	30	36	26	31	19	35	19	37	25	28	24	22	19	13	17	15	19	16	27	23	28	17	573	reaction to motion/improper motion
others	5	2	5	3	3	6	3	5	4	2	1	2	4	3		2	4	1		1	2	31	13	102	others
unclassifiable					1					2				2					1	1			2	9	unclassifiable
total	759	759	745	718	684	683	651	676	717	711	612	560	466	461	391	417	464	439	437	437	433	457	355	13,032	total

Causal agents (large) of fatal and non-fatal accidents in ship building in 1999-2021

[illegible]

construction machine	6	5	8	3	3	7	1	7	6	6	1	7	2	5	2	1	3	3	4	2	8	6	4	100	machine
metal manufacturing machine	43	41	44	45	34	38	34	23	36	35	26	28	33	23	20	22	20	22	24	19	17	19	20	666	metal manufacturing machine
general machine	10	9	9	12	7	9	6	8	11	8	11	8	9	8	9	6	4	6	2	4	3	2	4	165	general machine
mobile silviculture machine																									mobile silviculture machine
crane	53	48	68	52	56	44	51	60	76	68	53	49	43	46	30	35	26	26	34	27	36	38	18	1,037	crane
conveying machine	19	24	28	25	25	20	34	27	29	21	23	21	14	17	10	15	20	12	11	16	15	16	9	451	conveying machine
vehicle	28	27	30	18	27	38	22	22	26	30	28	21	13	19	11	23	19	15	16	20	15	14	18	500	vehicle
pressure vessel	2	2	2	3	1		1	1		1		1			1	1			4	1	2		1	24	pressure vessel
chemical facilities										1														1	chemical facilities
welding equipment	24	16	17	21	14	15	25	21	19	23	20	11	18	21	19	20	18	11	18	17	9	9	12	398	welding equipment
kiln, caldron	1		1			1	2			1														6	kiln, caldron
electric equipment	5	5	5	4	2	3	4	3	7	8	2	2	7	3	2	1	2	2	2		4			73	electric equipment
human power machine, tools	38	30	41	21	31	39	27	18	8	23	17	18	19	16	20	8	14	10	10	14	18	11	16	467	human power machine, tools
tools	98	103	100	88	79	84	83	85	87	109	89	74	49	56	49	48	49	59	45	57	55	62	44	1,652	tools

other equipments, facilities	22	26	18	30	16	24	11	20	17	20	16	10	10	10	20	16	11	14	14	15	15	20	17	392	other equipments, facilities
temporary buildings, establishments	212	224	202	207	239	225	188	187	198	205	185	176	120	138	116	113	144	132	139	133	142	126	101	3,852	temporary buildings, establishments
hazards, harmful substances	15	12	8	16	16	14	12	13	17	5	8	8	10	4	6	12	11	6	12	5	4	5	6	225	hazards, harmful substances
materials	108	122	103	123	89	84	97	126	130	108	87	84	63	64	55	57	87	80	69	57	47	43	45	1,928	materials
load	21	24	23	14	14	16	23	28	19	10	18	18	16	13	4	18	14	10	14	19	17	18	7	378	load
natural environment	6	7	5	4	8	2	5	9	3	6	6	6	19	4	9	4	4	9	7	7	9	19	5	163	natural environment
other causal agent	4	4	6	2	3	4	5	2	1	2	3	1	4	3	1	7	1	3	1	4	2	29	12	104	other causal agent
no causal agent	16	11	12	7	10	6	9	7	14	8	12	10	9	5	3	4	9	9	3	12	7	12	9	204	no causal agent
unclassifiable										2			1	3		1		1	1	2	1	2	1	15	unclassifiable
total	759	759	745	718	684	683	651	676	717	711	612	560	466	461	391	417	464	439	437	437	433	457	355	13,032	total

Causal agents (small) of fatal and non-fatal accidents in ship building in 1999-2021

[illegible]

[illegible]

[illegible]

equipment			12		5		10	9	11	11	10	7	7	9	11	11	6	9	6	8	5	3	7	157	equipment
other welding equipment			1		1		1	1	2	2				1		2	1			1	1	1	2	17	other welding equipment
kiln, caldron							2			1														3	kiln, caldron
industrial dryer																									industrial dryer
other kiln, caldron			1																					1	other kiln, caldron
transmission			1		1		2		2	4	2		2	2			1	1	1		2			21	transmission
electric power facilities					1			1	4	3		1	1		1		1				2			15	electric power facilities
other electrical equipment			4				2	2	1	1		1	4	1	1	1		1	1					20	other electrical equipment
human power cranes			9		10		8	2		6	2	2	1	4	2	2	2	2	3	2	9	4	1	71	human power cranes
human power hauling equipment			5		4		4	4	2	3	1	4	1	3	4	2	2	2	1	1	2		3	48	human power hauling equipment
human power machine			2		2		1	2	1	1	1	2	1			1	1	3	1	1				20	human power machine
hand tool			25		15		14	10	5	13	13	10	16	9	14	3	9	3	5	10	7	7	12	200	hand tool
ladder			49		47		44	43	36	49	35	31	23	29	24	26	27	32	32	31	26	35	28	647	ladder
slinging tool			26		17		17	26	24	28	27	16	12	15	11	11	7	13	6	11	10	13	6	296	slinging tool
other tools			25		15		22	16	27	32	27	27	14	12	14	11	15	14	7	15	19	14	10	336	other tools
other equipment, facilities			18		16		11	20	17	20	16	10	10	10	20	16	11	14	14	15	15	20	17	290	other equipment, facilities
scaffolding			41		31		39	39	34	38	25	26	13	23	15	20	25	31	27	26	25	19	11	508	scaffolding

timbering				1	1															1		3	timbering
stairs, landing stage			18	25	19	17	21	22	37	17	14	14	11	18	24	24	16	13	28	12	10	360	stairs, landing stage
opening			10	13	9	9	4	10	8	9	7	11	6	5	6	3	5	7	3	10	7	142	opening
roof, beam, haze, crossbeam, principal rafter				3		5	1	1		2	2	1		1	1	1		1		1		20	roof, beam, haze, crossbeam, principal rafter
working platform, boot board			15	27	17	21	18	20	17	21	7	21	9	18	12	10	15	18	15	12	14	307	working platform, boot board
passage			25	33	21	11	18	19	27	22	17	18	23	15	25	24	23	22	31	25	18	417	passage
building, establishment			76	91	62	58	76	73	58	61	47	30	37	29	38	21	41	34	29	36	24	921	building, establishment
other temporary buildings, establishments			17	15	20	27	26	22	13	18	13	20	15	7	13	18	12	12	11	10	17	306	other temporary buildings, establishments
explosive substance																							explosive substance
inflammable substance			2	10	5	2	4	1	4	3	4		3	10	4	3	3	1	1	1	2	63	inflammable substance
inflammable gas			3	1		2	7	1		1	4	3		1		1	1	2	2	1	2	32	inflammable gas
harmful substance			2	3	6	4	4	3	1	2	1	1	1		5	2	3	1			1	40	harmful substance
radiation																							radiation
other hazards, harmful substances			1	2	1	5	2		3	2	1		2	1	2		5	1	1	3	1	33	other hazards, harmful substances
metal material			85	79	86	113	119	99	79	78	58	61	51	52	76	74	67	53	44	39	40	1,353	metal material
lumber, bamboo			14	7	9	8	7	5	6	5	3	2	3	4	8	4	1	4	2	3	3	98	lumber, bamboo

stone, sand, substance			1		1					1	1					1						1		6	stone, sand, substance
other materials			3		2		2	5	4	3	1	1	2	1	1	1	2	2	1		1		2	34	other materials
load			18		8		18	14	10	6	11	11	10	9	2	17	10	8	11	15	17	13	6	214	load
machine/equipment as load			5		6		5	14	9	4	7	7	6	4	2	1	4	2	3	4		5	1	89	machine/equipment as load
natural ground, rock								1																1	natural ground, rock
standing tree																									standing tree
water			1		2				1				12	1	1			1	1		1			21	water
abnormal environment								1		1	1		1		1	2			1	1		3		12	abnormal environment
high/cold temperature environment			2		3		3	6	1	4	4	4	3	3	3	1	3	5	5	3	5	11	3	72	high/cold temperature environment
other environments			2		3		2	1	1	1	1	2	3		4	1	1	3		3	3	5	2	38	other environments
other causal agent			6		3		5	2	1	2	3	1	4	3	1	7	1	3	1	4	2	29	12	90	other causal agent
no causal agent			12		10		9	7	14	8	12	10	9	5	3	4	9	9	3	12	7	12	9	164	no causal agent
unclassifiable										2			1	3		1		1	1	2	1	2	1	15	unclassifiable
total			745		684		651	676	717	711	612	560	466	461	391	417	464	439	437	437	433	457	355	10,113	total

Workers age of fatal and non-fatal accidents in ship building 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
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19 years old or less	19	23	11	20	13	14	20	15	15	23	20	18	9	14	5	9	14	6	7	5	10	11	6	307	19 years old or less
20-29	101	113	90	94	101	102	104	127	124	131	104	102	112	84	87	76	88	91	95	80	75	83	47	2,211	20-29
30-39	84	99	109	84	97	80	97	109	119	132	119	120	91	113	71	75	113	94	90	107	103	115	90	2,311	30-39
40-49	151	161	141	158	102	127	92	87	89	78	76	63	62	64	67	80	77	86	79	93	100	89	81	2,203	40-49
50-59	281	250	262	236	242	237	216	219	227	212	155	138	99	86	62	70	79	66	69	58	63	82	58	3,467	50-59
60 years old or more	123	113	132	126	129	123	122	119	143	135	138	119	93	100	99	107	93	96	97	94	82	77	73	2,533	60 years old or more
total	759	759	745	718	684	683	651	676	717	711	612	560	466	461	391	417	464	439	437	437	433	457	355	13,032	total

Workers' number of workplace of fatal and non-fatal accidents in ship building 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	267	313	295	283	262	247	260	236	272	237	216	195	141	149	120	177	171	142	146	164	139	158	121	4,711	9 workers or less
10-29	260	223	248	212	219	220	207	215	227	228	202	175	161	171	139	125	147	159	119	127	147	126	104	4,161	10-29
30-49	81	76	82	84	65	68	46	70	72	82	53	60	54	51	42	38	50	44	46	44	43	41	39	1,331	30-49
50-99	56	61	39	38	50	46	55	48	43	50	46	32	39	33	37	29	40	33	44	39	41	39	38	976	50-99
100-299	43	32	26	36	39	28	31	32	52	41	38	41	37	18	22	25	22	24	27	23	18	25	16	696	100-299
300 workers or more	52	54	55	65	49	74	52	75	51	73	57	57	34	39	31	23	34	37	55	40	45	68	37	1,157	300 workers or more
total	759	759	745	718	684	683	651	676	717	711	612	560	466	461	391	417	464	439	437	437	433	457	355	13,032	total

Month of fatal and non-fatal accidents in ship building 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
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January	67	54	58	46	51	58	50	53	54	65	71	38	35	34	37	27	37	28	37	40	33	29	27	1,029	January
February	58	67	51	62	61	55	52	45	49	67	58	45	32	41	35	38	38	29	32	31	33	35	31	1,045	February
March	70	67	77	59	49	50	66	55	70	64	56	42	59	49	39	29	37	50	42	35	43	42	33	1,183	March
April	67	72	71	72	58	64	57	64	48	48	49	42	37	37	36	27	35	39	29	36	38	38	30	1,094	April
May	62	55	49	61	53	56	41	53	66	47	48	40	40	41	25	24	45	41	40	29	34	29	22	1,001	May
June	60	57	61	54	59	57	57	66	52	66	47	59	42	34	25	27	41	24	38	47	43	44	34	1,094	June
July	62	60	71	71	72	77	51	62	61	61	55	49	36	47	35	41	38	44	39	49	38	64	31	1,214	July
August	68	69	69	49	51	49	71	61	75	62	56	34	41	43	27	42	43	33	40	39	29	38	42	1,131	August
September	77	70	72	53	56	57	60	68	61	63	46	77	42	30	34	50	33	42	43	28	39	46	36	1,183	September
October	62	56	67	61	61	56	49	52	67	58	30	35	40	47	37	30	42	39	40	40	43	26	28	1,066	October
November	57	68	46	71	61	53	51	53	57	63	50	58	28	32	35	44	33	45	28	34	25	41	25	1,058	November
December	49	64	53	59	52	51	46	44	57	47	46	41	34	26	26	38	42	25	29	29	35	25	16	934	December
total	759	759	745	718	684	683	651	676	717	711	612	560	466	461	391	417	464	439	437	437	433	457	355	13,032	total

Prefecture of fatal and non-fatal accidents in ship building 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	26	36	31		21		20	27	24	19	23	12	19	10	23	18	16	23	14	14	12	12	8	408	Hokkaido
Aomori	12	3	7		8		11	4	12	8	5	10	8	3	5	7	6	8	6	2	6	6	4	141	Aomori
Iwate	4	8	6		7		1	2	1	3	3	4	3	9	3	6	1	3	1	3	3	1	2	74	Iwate
Miyagi	10	19	19		10		13	17	14	14	12	13	22	13	15	8	13	13	12	14	11	15	7	284	Miyagi
Akita								1																1	Akita
Yamagata	1		1				2	1		1		1					1					1	1	10	Yamagata

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Wakayama	6	10	8		5		7	4	6	6	5	2	3	3	4	3	5	4	4	2	3	5	4	99	Wakayama
Tottori	1		3		1			1	1	3		1							2	1		2	1	17	Tottori
Shimane	8	3	5					2		1				1		1	4	1		2				28	Shimane
Okayama	11	6	19		8		7	5	8	9	12	10	5	8	5	10	8	1	14	4	5	4	3	162	Okayama
Hiroshima	128	136	137		142		131	129	127	142	96	108	88	92	67	76	76	83	77	78	100	85	51	2,149	Hiroshima
Yamaguchi	31	32	28		30		24	25	27	31	31	14	11	14	14	13	16	10	16	12	14	11	20	424	Yamaguchi
Tokushima	22	13	10		9		11	19	16	15	19	11	8	7	7	3	8	9	6	8	5	4	5	215	Tokushima
Kagawa	45	45	35		32		39	42	55	39	45	29	20	24	18	23	20	23	17	18	24	29	20	642	Kagawa
Ehime	63	83	91		100		97	69	94	94	63	65	60	52	41	53	61	49	52	47	52	54	48	1,388	Ehime
Kochi	20	24	20		22		15	22	19	23	19	23	13	11	7	17	13	10	11	14	14	15	8	340	Kochi
Fukuoka	11	17	15		7		17	8	16	15	12	12	10	4	11	10	8	8	10	11	8	8	5	223	Fukuoka
Saga	5	4	7		4		7	11	9	14	8	7	10	10	9	13	13	13	11	21	16	9	14	215	Saga
Nagasaki	88	83	65		78		56	71	61	49	67	74	54	57	42	55	62	57	63	55	51	60	58	1,306	Nagasaki
Kumamoto	29	20	22		9		10	21	9	13	4	10	7	11	9	11	6	12	13	16	11	37	13	293	Kumamoto
Oita	46	47	39		45		48	55	51	49	70	40	34	30	31	24	30	34	32	37	25	15	19	801	Oita
Miyazaki	3	1	2						1		1	2	2	3			1	1	1	1	1	1		21	Miyazaki
Kagoshima	10	11	12		9		8	11	9	9	13	6	8	6	4	4	4	7	8	4	5	11	3	162	Kagoshima
Okinawa		2	2				5	2	2	1	1	2	1	3		3	1			1			3	29	Okinawa
total	759	759	745		684		651	676	717	711	612	560	466	461	391	417	464	439	437	437	433	457	355	11,631	total

Fatal and non-fatal accidents mean fatal and non-fatal injuries and occupational diseases with work absence of 4 days and more. 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.htm> (MHLW, Japan)

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ship building industry Code No.011501

[illegible]

contact to high/low-temperature									2	3					1			1	1		1	1	1	11	contact to high/low-temperature
contact to harmful substance		3	1		4		1	1	1	1	1		1		1				1			4		20	contact to harmful substance
electric shock		1	1				1	2	2			1	2	1			1			1				13	electric shock
explosion	1		1	1	1	3			4	1			2	3		1								18	explosion
burst																			1					1	burst
fire	2						1		1	1					1	2		1	1		2			12	fire
traffic accident (public road)				1																1	1			3	traffic accident (public road)
traffic accident (others)				1																				1	traffic accident (others)
reaction to motion/improper motion																		1						1	reaction to motion/improper motion
others													1											1	others
unclassifiable																									unclassifiable
total	13	13	21	14	18	14	13	22	23	21	13	13	25	16	11	7	10	7	7	14	7	16	3	321	total

Causal agents (large) of fatal accidents in ship building 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)
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																									agents
machine	2		1	1	2			1		1	1	1	1					1		1				14	machine
crane, conveying machine	3	2	3	4	4	2	2	4	8	3	1	4	2	2	2	2		3	2	6	1	2		62	crane, conveying machine
other equipment	1	2	3	1	1	2	3	5	4	5	5	1	2	6	2		3	2	3	4	1	2		58	other equipment
temporary buildings, establishments	4	5	9	5	4	5	6	8	5	4	5	6	4	5	5	3	2	2		3	2	5	2	99	temporary buildings, establishments
substance, material	3	2	5	2	6	4	2	3	6	5	1		4	1		1	3			1		2		51	substance, material
load				1						1		1					2				1	1		7	load
environment		2			1	1				2			12	1	2				1		1	2	1	26	environment
others								1								1						2		4	others
total	13	13	21	14	18	14	13	22	23	21	13	13	25	16	11	7	10	7	7	14	7	16	3	321	total

Causal agents (middle) of fatal accidents in ship building in 1999-2021

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	total	Causal (M) agents
engine					1																			1	engine
power transmission mechanism											1													1	power transmission mechanism

woodworking machine									1														1	woodworking machine	
construction machine	2		1	1	1			1										1		1			8	construction machine	
metal manufacturing machine												1	1	1									3	metal manufacturing machine	
general machine																								general machine	
mobile silviculture machine																								mobile silviculture machine	
crane	2		3		3	1		3	5	1	1	2	1		1			2	1	2		1		29	crane
conveying machine	1			2		1		1	1	2		1		2	1	1			1	3		1		18	conveying machine
vehicle		2		2	1		2		2			1	1			1		1		1	1			15	vehicle
pressure vessel																		1					1	pressure vessel	
chemical facilities																								chemical facilities	
welding equipment			1				1	1	4	2		1		3			3	1	2	1		1		21	welding equipment
kiln, caldron																								kiln, caldron	
electric equipment		1					1	1						1							1			5	electric equipment

human power machine, tools			1			1																	2	human power machine, tools	
tools	1	1	1	1			1	3		3	5		1	1	2					3				23	tools
other equipments, facilities					1	1							1	1				1				1		6	other equipments, facilities
temporary buildings, establishments	4	5	9	5	4	5	6	8	5	4	5	6	4	5	5	3	2	2		3	2	5	2	99	temporary buildings, establishments
hazards, harmful substances	3	2	2	1	5	3	1	1	6	2	1		2			1				1		2		33	hazards, harmful substances
materials			3	1	1	1	1	2		3			2	1			3							18	materials
load				1						1		1					2				1	1		7	load
natural environment		2			1	1				2			12	1	2				1		1	2	1	26	natural environment
other causal agent																1								1	other causal agent
no causal agent																									no causal agent
unclassifiable								1														2		3	unclassifiable
total	13	13	21	14	18	14	13	22	23	21	13	13	25	16	11	7	10	7	7	14	7	16	3	321	total

Causal agents (small) of fatal accidents in ship building in 1999-2021

foundation work machine																									foundation work machine
hardening machine																									hardening machine
demolition machine																									demolition machine
vehicle for high lift work	2		1	1	1			1											1		1			8	vehicle for high lift work
other construction machines																									other construction machines
lathe																									lathe
drill press, milling machine																									drill press, milling machine
grinding machine, buffing machine												1											1		grinding machine, buffing machine
power press																									power press
forging pressure hammer																									forging pressure hammer
shearing machine																									shearing machine
other metal manufacturing machines												1		1										2	other metal manufacturing machines
centrifugal machine																									centrifugal machine
mixer, grinder																									mixer, grinder
roll machine (except printingroll machine)																									roll machine (except printingroll machine)

[illegible]

[illegible]

[illegible]

other equipment, facilities					1	1							1	1				1				1		6	other equipment, facilities
scaffolding	1	3	2	3		1	4			1	1	1	1		1					2		1		22	scaffolding
timbering																									timbering
stairs, landing stage	1							1	2		3	3		1			1							12	stairs, landing stage
opening				1	1						1	1		1										5	opening
roof, beam, haze, crossbeam, principal rafter					1																			1	roof, beam, haze, crossbeam, principal rafter
working platform, boot board		1	2	1		1		2						1		1								9	working platform, boot board
passage			1				1	1					1		1	1								6	passage
building, establishment	2	1	4		1	3	1	4	3	3		1	1	1	3	1	1	2		1	2	2	1	38	building, establishment
other temporary buildings, establishments					1								1	1								2	1	6	other temporary buildings, establishments
explosive substance																									explosive substance
inflammable substance	3			1	3	3			2				1			1				1				15	inflammable substance
inflammable gas		1	1						3	1			1											7	inflammable gas
harmful substance		1	1		2		1	1	1		1													8	harmful substance
radiation																									radiation
other hazards,											1											2		3	other hazards,

harmful substances																									harmful substances	
metal material			3	1	1	1	1	2		3			2	1			3								18	metal material
lumber, bamboo																									lumber, bamboo	
stone, sand, substance																									stone, sand, substance	
other materials																									other materials	
load				1								1					2				1	1		6	load	
machine/equipment as load										1														1	machine/equipment as load	
natural ground, rock																									natural ground, rock	
standing tree																									standing tree	
water		1			1	1							11	1										15	water	
abnormal environment		1								1			1		1				1			2		7	abnormal environment	
high/cold temperature environment										1					1						1		1	4	high/cold temperature environment	
other environments																									other environments	
other causal agent																1								1	other causal agent	
no causal agent																									no causal agent	
unclassifiable								1														2		3	unclassifiable	
total	13	13	21	14	18	14	13	22	23	21	13	13	25	16	11	7	10	7	7	14	7	16	3	321	total	

Workers age of fatal accidents in ship building 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			1			1	1	1			1	1										1		7	19 years old or less
20-29		1	3	2	1	1	3	5	4	2	1	1	4		2	1	2		1	1	1	1		37	20-29
30-39	1		5		2		2	2	2	2	2	2	1	3		1	3	1	2	5	1	3		40	30-39
40-49	1	3	1	4		4	1	3	3	1	2	2	5	2	3	1		1		2	1	4	1	45	40-49
50-59	6	2	7	5	11	4	3	7	9	7	6	3	10	5	1	1	1	2		2		3	1	96	50-59
60 years old or more	5	7	4	3	4	4	3	4	5	9	1	4	5	6	5	3	4	3	4	4	4	4	1	96	60 years old or more
total	13	13	21	14	18	14	13	22	23	21	13	13	25	16	11	7	10	7	7	14	7	16	3	321	total

Workers' number of workplace of fatal accidents in ship building 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	4	4	6	3	6	5	6	6	5	4	2	2	5	5	3	4	6	3	2	4	3	6	3	97	9 workers or less
10-29	4	5	8	4	6	4	5	10	9	8	7	5	12	7	4	3	2	2	2	5	3	4		119	10-29
30-49	1	2	2	2	3	1		2	2	2		3	2	2	2			2		3		2		33	30-49
50-99	1	2	1	2	2	1	1	1	3		1	1	1				2		1			1		21	50-99
100-299	2		1	2		1		1	1	2		1	1							2		1		15	100-299
300 workers or more	1		3	1	1	2	1	2	3	5	3	1	4	2	2				2		1	2		36	300 workers or more
total	13	13	21	14	18	14	13	22	23	21	13	13	25	16	11	7	10	7	7	14	7	16	3	321	total

Month of fatal accidents in ship building in 1999-2021

Yamagata																									Yamagata
Fukushima									1															1	Fukushima
Ibaraki																									Ibaraki
Tochigi																									Tochigi
Gunma																									Gunma
Saitama																									Saitama
Chiba		1	1	1			2						3			2								10	Chiba
Tokyo		1												1				1						3	Tokyo
Kanagawa		1		1				2	1		1	1	1					1				1		10	Kanagawa
Niigata					1			1																2	Niigata
Toyama																									Toyama
Ishikawa																									Ishikawa
Fukui																									Fukui
Yamanashi																									Yamanashi
Nagano																									Nagano
Gifu																									Gifu
Shizuoka	1	1						1	1	1									1					6	Shizuoka
Aichi				1				1	2	1														5	Aichi
Mie		1	1		1	1	1		1							1								7	Mie
Shiga																									Shiga
Kyoto				1						1									1					3	Kyoto
Osaka		1							1												2			4	Osaka
Hyogo			1						3	1		1		3				2						11	Hyogo

Nara																									Nara
Wakayama							1	1								1						1		4	Wakayama
Tottori																									Tottori
Shimane																									Shimane
Okayama			2	1	2					1		1		1			1		1					10	Okayama
Hiroshima	1	3	3	1	4	5	3	5	3	7	2	5	2	3	2	1	2	3	4	2	4	1		66	Hiroshima
Yamaguchi	1	1					1	1	1	1	1		1		2		1				1			12	Yamaguchi
Tokushima	1				1							1				1		1						5	Tokushima
Kagawa	1		2	3	1	3	1	2	2	2	1		3	3	1							3	1	29	Kagawa
Ehime	6		7		3	3	2	2	3	3	3	2	2		2		1	1				4	1	45	Ehime
Kochi												1												1	Kochi
Fukuoka		1																		1				2	Fukuoka
Saga													1							1		1		3	Saga
Nagasaki		1	1	1			1	3	2		2		3	2	1	1	1		1	2	1	4		27	Nagasaki
Kumamoto			1	1		1		1					1		1				1	1				8	Kumamoto
Oita	2	1		2	1		1	3	1		4	1				1	1				1			19	Oita
Miyazaki																									Miyazaki
Kagoshima					1																			1	Kagoshima
Okinawa																									Okinawa
total	13	13	21	14	18	14	13	22	23	21	13	13	25	16	11	7	10	7	7	14	7	16	3	321	total

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

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