Fatal and non-fatal accidents in fishery in Japan in 1999-2022

fishery industry Code No.070201

Type of accidents in fishery 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	48	34	42	36	44	42	32	38	35	28	38	35	35	46	42	27	27	29	25	30	18	26	27	25	809
falling to same level	144	153	131	128	130	124	100	112	98	103	92	80	91	85	79	72	83	74	57	52	50	50	63	50	2,201
crash	39	41	31	45	41	37	34	32	36	29	27	42	37	28	20	18	26	24	15	22	17	23	23	11	698
struck by flying or falling object	57	57	42	53	53	48	40	32	46	33	29	38	24	37	28	18	29	19	31	17	17	18	14	22	802
collapse	2	2	2	4	4	2	3	6	4	1	1	3	1		3	1		2		2	3	1	1	2	50
crashed by	89	76	63	60	64	51	49	48	45	31	28	43	46	34	39	32	32	26	31	18	23	21	29	32	1,010
caught in/between	197	182	201	177	167	200	166	151	138	112	134	129	136	136	97	125	127	107	99	87	105	88	72	90	3,223
cut	32	34	50	40	38	31	23	21	31	30	20	23	25	21	19	19	19	16	12	20	8	11	19	15	577
injury to the sole of the foot	1	2	1		2	1		1	2				1					1		1	1			1	15
drown	5	6	11	1	1	3	7	3	2	8	4	5	2	7	6	5	4	3	3		4	4	6	2	102
contact to high/low-	2	4	6	3	2	3	2	5	6			8	3	3	4	3	2	8	2	3	6	3		2	80

temperature																									
contact to harmful substance	2	1	1		3	1	3	2	2	2	2	1	3	1	2	1	2		1		2	1		2	35
electric shock					1	1																			2
explosion	2			2	3		1								1				1			1			11
burst		1																							1
fire										1											1				2
traffic accident (public road)	5	5	6	1	4	2	2	2	1	1	4	3	2	1	1	1	1	3	2	1	4	7	1	3	63
traffic accident (others)	2	1	3	5	1	3	2	2	6	3	5	5	7	3	5	5	2	1	2		7	2	7	1	80
reaction to motion/improper motion	50	56	49	44	54	60	51	42	47	49	46	51	40	43	49	41	39	38	33	38	26	36	32	31	1,045
others	7	8	6	5	3	6	4	7	10	10	6	4	9	4	2	10	6	4	8	4	1	2	15	4	145
unclassifiable	1	3	2		1	2		2	1					1					1			1			15
total	685	666	647	604	616	617	519	506	510	441	436	470	462	450	397	378	399	355	323	295	293	295	309	293	10,966

Causal agents (large) of fatal and non-fatal accidents in fishery 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	44	36	52	57	54	52	46	39	49	35	44	35	35	42	27	12	20	24	21	20	21	15	20	14	814

crane, conveying machine	250	241	245	211	218	240	230	198	191	176	164	162	157	153	144	149	141	147	124	103	124	130	118	127	4,143
other equipment	209	211	192	183	184	180	140	144	138	108	111	138	122	142	112	115	134	90	96	82	78	75	74	84	3,142
temporary buildings, establishments	74	48	56	48	53	50	33	35	36	32	36	47	55	43	34	31	28	37	18	21	21	20	28	22	906
substance, material	23	17	14	23	17	20	11	8	14	16	14	17	16	10	5	4	7	7	12	5	11	7	8	6	292
load	17	21	18	9	21	14	8	20	16	9	17	11	10	12	10	11	8	6	3	12	3	8	10	10	284
environment	31	43	33	39	35	32	29	29	25	36	25	33	34	26	32	28	30	24	20	26	20	16	27	15	688
others	37	49	37	34	34	29	22	33	41	29	25	27	33	22	33	28	31	20	29	26	15	24	24	15	697
total	685	666	647	604	616	617	519	506	510	441	436	470	462	450	397	378	399	355	323	295	293	295	309	293	10,966

Causal agents (middle) of fatal and non-fatal accidents in fishery 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			1	1	1												2				7
power transmission mechanism	3	8	7		5	5	3	4	7	3	3	5	4	1	8	2	8	4	3	1	2		3	1	90
woodworking machine	1				1				2	1				2								1	1		9

construction machine		1					1				1	1	1					2				2	1		10
metal manufacturing machine	4		1	1		2			1								1							1	11
general machine	36	27	43	55	48	45	41	34	38	31	40	29	30	39	19	10	11	18	18	19	17	12	15	12	687
mobile silviculture machine																									
crane	52	46	44	43	38	39	51	41	22	30	32	30	32	25	30	30	30	22	20	17	22	23	26	24	769
conveying machine	24	17	24	26	18	18	34	21	16	10	17	19	20	18	15	14	12	12	15	10	13	17	7	15	412
vehicle	174	178	177	142	162	183	145	136	153	136	115	113	105	110	99	105	99	113	89	76	89	90	85	88	2,962
pressure vessel																									
chemical facilities																									
welding equipment																								1	1
kiln, caldron																								1	1
electric equipment		4			1												1		1		1				8
human power machine, tools	26	23	25	21	19	18	14	14	15	17	8	9	11	14	11	11	12	10	9	11	2	10	10	10	330
tools	165	172	146	147	148	155	119	118	110	81	93	116	99	106	82	90	108	69	78	63	68	60	56	65	2,514
other equipments,	18	12	21	15	16	7	7	12	13	10	10	13	12	22	19	14	13	11	8	8	7	5	8	7	288

facilities																									
temporary buildings, establishments	74	48	56	48	53	50	33	35	36	32	36	47	55	43	34	31	28	37	18	21	21	20	28	22	906
hazards, harmful substances	2	1		4	4	2	2		1		1				1		1	1	1			1			22
materials	21	16	14	19	13	18	9	8	13	16	13	17	16	10	4	4	6	6	11	5	11	6	8	6	270
load	17	21	18	9	21	14	8	20	16	9	17	11	10	12	10	11	8	6	3	12	3	8	10	10	284
natural environment	31	43	33	39	35	32	29	29	25	36	25	33	34	26	32	28	30	24	20	26	20	16	27	15	688
other causal agent	23	22	12	16	12	5	9	15	14	12	6	6	6	5	5	10	11	3	6	5	6	2	9	5	225
no causal agent	11	19	21	18	20	22	13	18	23	17	19	21	27	17	28	18	20	15	22	19	8	22	13	10	441
unclassifiable	3	8	4		2	2			4									2	1	2	1		2		31
total	685	666	647	604	616	617	519	506	510	441	436	470	462	450	397	378	399	355	323	295	293	295	309	293	10,966

Causal agents (small) of fatal and non-fatal accidents in fishery 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	1	1												2				6
power transmission mechanism			7		5		3	4	7	3	3	5	4	1	8	2	8	4	3	1	2		3	1	74
circular sawing					1					1				2								1			5

machine																									
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									1																1
leveling, transporting or loading machine											1	1	1					2				2	1		8
excavating machine							1																		1
foundation work machine																									
hardening machine																									
demolition machine																									

vehicle for high lift work																									
other construction machines																									
lathe																									
drill press, milling machine																									
grinding machine, buffing machine			1						1								1							1	4
power press																									
forging pressure hammer																									
shearing machine																									
other metal manufacturing machines																									
centrifugal machine																									
mixer, grinder					2			1	1			1				1	1				1				8
roll machine (except printingroll machine)			2		3		3	2	4	3	8		2		3	3	1		1	1	1	3	3	4	47
injection molding																									

machine																									
food manufacturing machine			1		1		2		1						1					1					7
printing machine																									
industrial robot																									
other general power machines			40		42		36	31	32	28	32	28	28	39	15	6	9	18	17	17	15	9	12	8	462
felling machine																									
mobile logging machine																									
skyline yarding machine																									
other mobile silviculture machine																									
crane			1		1				1	1	1	1		1	1			1				2		1	12
mobile crane			3		3		5	4	3	4	7	2	3	4	2	3	5	5	2	2	3	4	2	2	68
derrick crane							1																		1
elevator, lift																									
cargo lifting appliance			6		1		4	3	3	2	2	1	5	3	2	2	3	3	4	2	6	1	9	6	68
gondola																									

lumberyard equipment, logging cableway									1	1				1	1										4
simple skyline yarding equipment																									
other powered crane			34		33		41	34	14	22	22	26	24	16	24	25	22	13	14	13	13	16	15	15	436
truck			11		9		10	7	9	7	10	12	9	13	7	8	9	10	7	5	6	11	7	7	174
forklift			5		3		8	7	4	2	2	4	6	2	5	2	2	2	4	4	5	4		5	76
railway equipment																									
conveyor			5		1		1	1	1		2		2	1	3							1			18
loader			1																						1
straddle carrier																									
rough terrain hauler																					1				1
other powered conveying machines			2		5		15	6	2	1	3	3	3	2		4	1		4	1	1	1		3	57
cars, bus, motorcycle			4		4		4	2	2	4	2	2	2	1		2		2	4	2	3	7	1	3	51
railway vehicle					1														1						2
other vehicles			173		157		141	134	151	132	113	111	103	109	99	103	99	111	84	74	86	83	84	85	2,232
boiler																									
pressure vessel																									

other pressure vessels																									
chemical facilities																									
gas welding equipment																									
arc welding equipment																								1	1
other welding equipment																									
kiln, caldron																								1	1
industrial dryer																									
other kiln, caldron																									
transmission																	1								1
electric power facilities																									
other electrical equipment					1														1		1				3
human power cranes			1		2				1			1				1			1	1			2		10
human power hauling equipment			1		2			1					1					1	1					1	8
human power					2		2	1				1					1								7

machine																									
hand tool			23		13		12	12	14	17	8	7	10	14	11	10	11	9	7	10	2	10	8	9	217
ladder			2		2		3	4	8	5	4	4	4	1	5	2	4	7	3	5	1	1		3	68
slinging tool			6		3		1	3	3			3	1	3	2	2	3		1	1	1	3		2	38
other tools			138		143		115	111	99	76	89	109	94	102	75	86	101	62	74	57	66	56	56	60	1,769
other equipment, facilities			21		16		7	12	13	10	10	13	12	22	19	14	13	11	8	8	7	5	8	7	236
scaffolding								2	1					1	1	1		1		2	1				10
timbering							1																		1
stairs, landing stage			4		1		2	4	3	3	3	2	9	2		3	1	3	2	3	2	3	4	3	57
opening			1		4			1	2		4		2	3			1		1	1		1	1	2	24
roof, beam, haze, crossbeam, principal rafter							2				1						1	1	1				1		7
working platform, boot board			23		17		7	9	10	7	5	19	17	12	10	10	9	15	6	6	6	1	7	6	202
passage			14		20		14	13	11	11	15	19	19	20	16	10	13	7	3	5	4	12	10	8	244
building, establishment			8		10		4	3	7	6	5	2	5	4	5	5	1	6	4	3	6		2		86
other temporary buildings, establishments			6		1		3	3	2	5	3	5	3	1	2	2	2	4	1	1	2	3	3	3	55

explosive substance																			1						1
inflammable substance															1										1
inflammable gas					3		1																		4
harmful substance							1		1								1								3
radiation																									
other hazards, harmful substances					1						1							1				1			4
metal material			3		7		3	3	8	4	4	5	6	2	2	2	5	1	5	1	4	3	4	4	76
lumber, bamboo			3		2		1	1		1	1	3	1	2	1	1		2	2		1		1		23
stone, sand, substance			5				3	1		3	4	4	3	2	1			1		1	1	1			30
other materials			3		4		2	3	5	8	4	5	6	4		1	1	2	4	3	5	2	3	2	67
load			17		19		8	20	16	9	16	11	10	11	9	11	8	6	3	12	3	8	8	10	215
machine/equipment as load			1		2						1			1	1								2		8
natural ground, rock			2		1			2	1	1			1			2	3	1			1		1	1	17
standing tree									1								1								2
water			8		8		8	3		13	7	4	5	7	8	7	7	2	3	2	1	4	2	3	102
abnormal environment			1		4		3	1	1	2	1	1	4	1	2	1	1		1		1				25

high/cold temperature environment			3				2	4	4	1		8	4	2	2	2	2	6	2	3	5	3		1	54
other environments			19		22		16	19	18	19	17	20	20	16	20	16	16	15	14	21	12	9	24	10	343
other causal agent			12		12		9	15	14	12	6	6	6	5	5	10	11	3	6	5	6	2	9	5	159
no causal agent			21		20		13	18	23	17	19	21	27	17	28	18	20	15	22	19	8	22	13	10	371
unclassifiable			4		2				4									2	1	2	1		2		18
total	685	666	647	604	616	617	519	506	510	441	436	470	462	450	397	378	399	355	323	295	293	295	309	293	10,966

Workers age of fatal and non-fatal accidents in fishery 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	12	10	19	12	19	13	7	14	11	10	7	10	6	12	7	12	12	8	9	9	6	12	9	6	252
20-29	79	72	87	65	74	65	61	57	63	62	63	72	77	63	59	53	72	64	40	41	46	51	54	60	1,500
30-39	81	79	84	94	89	76	71	77	63	50	64	88	76	61	58	72	72	52	50	49	48	49	51	59	1,613
40-49	90	95	76	70	92	77	84	71	92	70	73	61	72	74	70	63	64	55	65	61	49	43	46	46	1,659
50-59	150	140	134	127	134	147	112	112	109	81	79	70	91	86	72	61	62	70	62	46	54	53	45	46	2,143
60 years old or more	273	270	247	236	208	239	184	175	172	168	150	169	140	154	131	117	117	106	97	89	90	87	104	76	3,799
total	685	666	647	604	616	617	519	506	510	441	436	470	462	450	397	378	399	355	323	295	293	295	309	293	10,966

Workers' number of workplace of fatal and non-fatal accidents in fishery 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	327	337	308	295	292	275	270	259	245	214	226	235	237	250	208	197	221	202	165	143	132	133	149	146	5,466
10-29	227	212	225	229	229	237	171	168	195	163	156	166	143	142	139	124	127	116	107	111	115	105	100	97	3,804
30-49	42	59	54	25	45	45	37	37	35	34	25	29	47	30	24	20	21	25	24	16	21	22	14	20	751
50-99	73	45	45	46	33	42	26	34	23	28	22	29	27	24	24	33	26	10	19	19	20	26	24	18	716
100-299	16	13	14	9	17	18	15	8	12	2	7	11	7	4	2	4	4	2	8	6	5	9	22	12	227
300 workers or more			1										1												2
total	685	666	647	604	616	617	519	506	510	441	436	470	462	450	397	378	399	355	323	295	293	295	309	293	10,966

Month of fatal and non-fatal accidents in fishery 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	37	45	29	44	28	28	22	23	24	33	35	22	35	31	38	20	24	17	15	17	15	16	11	21	630
February	29	35	22	28	32	26	36	28	28	28	24	25	18	27	21	17	19	24	20	12	11	17	16	19	562
March	51	50	50	38	48	59	23	34	32	36	28	33	36	38	27	27	32	25	24	23	20	35	27	26	822
April	62	58	54	49	69	44	46	36	53	39	26	36	36	33	50	30	36	38	36	32	31	28	32	32	986
May	76	63	73	55	61	70	53	38	50	36	31	41	52	32	33	36	38	36	28	29	32	21	36	23	1,043
June	56	73	49	42	52	54	49	49	59	42	34	46	46	30	35	44	32	14	21	29	21	27	28	31	963
July	65	56	68	61	70	67	40	48	47	38	45	37	36	43	26	26	40	26	36	32	26	30	38	24	1,025

August	65	57	75	71	49	54	60	61	46	45	45	56	43	40	27	26	22	33	26	28	24	26	22	18	1,019
September	68	68	65	65	60	56	53	55	44	46	50	41	48	52	43	43	32	43	37	29	27	29	32	30	1,116
October	77	58	74	60	55	68	47	65	47	42	45	43	50	61	44	49	49	44	23	27	40	19	27	31	1,145
November	66	66	50	47	60	51	59	38	35	30	40	62	36	36	35	46	44	36	30	21	29	26	24	24	991
December	33	37	38	44	32	40	31	31	45	26	33	28	26	27	18	14	31	19	27	16	17	21	16	14	664
total	685	666	647	604	616	617	519	506	510	441	436	470	462	450	397	378	399	355	323	295	293	295	309	293	10,966

Prefecture of fatal and non-fatal accidents in fishery 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	232	217	237		193		183	180	172	157	183	170	180	195	169	148	161	158	127	95	105	123	115	109	3,609
Aomori	20	12	9		8		10	7	7	8	10	6	12	11	8	13	8	7	10	7	7	7	10	2	199
Iwate	25	24	24		26		20	22	30	11	21	17	18	23	15	12	18	11	13	9	10	10	7	15	381
Miyagi	13	12	14		19		15	11	13	12	10	6	7	4	1	8	15	8	7	3	6	11	13	13	221
Akita	3	1	2		4			1		1		2			1		1	1	1		1		2	1	22
Yamagata	2	1			1		3	2	4	2	1	2	2	2	3	1	2	1		3		2	1		35
Fukushima	3	5	1		2		1		1	2		2		1	1	2		1							22
Ibaraki	3	10	3		3		6	8	1	3	1	4	1	4	1	5	3	4	2	1	1	1	3	4	72
Tochigi		2																					1		3
Gunma																									
Saitama																									

Chiba	24	24	16		18		8	14	10	7	7	14	11	9	6	5	7	4	10	9	12	5	4	3	227
Tokyo	8	3	4		5		3	2	4	1	2	3	8	2		1	1	1	1	2			1	2	54
Kanagawa	3	2	3		7		4	4	7	3	6	9	6	3	2	7	6		3	3	6	4	6	1	95
Niigata	19	20	11		14		12	13	10	13	10	14	6	10	6	10	6	8	6	12	11	7	7	11	236
Toyama	29	27	30		26		17	24	24	25	18	20	17	21	17	15	12	10	14	8	12	13	9	4	392
Ishikawa	27	26	24		19		23	18	9	10	10	12	5	9	11	5	9	7	8	7	13	10	10	9	281
Fukui	2		10		4		4	3	6	6	6	7	6	4	3	4	8	7	7	5	4	2	4	5	107
Yamanashi																									
Nagano		1																							1
Gifu		1																2					3		6
Shizuoka	50	55	38		47		32	33	35	22	24	38	31	24	24	28	31	28	22	14	21	14	25	17	653
Aichi	9	6	2		7		5	3	4	3	3	5	5	5	2	6	8	1	3	1	3	5	4	4	94
Mie	43	46	39		40		26	18	27	27	13	18	22	8	15	16	11	10	5	11	7	9	9	4	424
Shiga																		1		2					3
Kyoto	4	5	7		13		9	3	14	1	7	6	5	4	4	2	3	5	8	12	3	5	7	5	132
Osaka	1	14	11		8		13	10	8	13	9	7	6	7	3	7	5	4	7	6	5	1	3	4	152
Hyogo	5	4	3		9		5	5	2		5	2	3	2	3	1	1	3	2	2	2	2	2	3	66
Nara																									
Wakayama	9	14	16		24		17	25	13	16	11	20	17	16	14	9	17	16	7	12	5	3	8	14	303
Tottori	3	2	4		3		1	2	1	2	2				1	1	1		1						24
Shimane	8	18	12		16		8	7	8	9	11	15	12	9	9	7	8	7	5	8	10	3	8	8	206

Okayama							1	3	1		2	3	1	1			3						1		16
Hiroshima	4	3					2		3	1	3	1	9	3	1	3	2	1	1	1	2	3	1	1	45
Yamaguchi	11	15	4		5		6	5	6	2	2	3	2	5	5	8	2	2	1	4	2	1	2	2	95
Tokushima	17	8	7		9		5	8	5	11	3	4	1	12	8	1	5	5	5	1	4	3	1	3	126
Kagawa	8	10	9		12		3	8	8	2	1	1	3	2	4	2	5	2	2	2		1	1	4	90
Ehime	8	7	12		14		9	4	8	4	10	8	8	7	5	6	4	2	2	3	2	3	3	3	132
Kochi	22	17	19		13		17	17	14	21	10	15	22	13	18	6	7	10	22	19	12	12	12	13	331
Fukuoka	1	1	1		1							1					1		2		2	1		1	12
Saga	2	1	3		2		1	1	1	2	2		1	2		1	1	2	1	1		1	2	1	28
Nagasaki	32	24	30		20		20	25	28	23	18	24	23	16	21	27	16	18	11	18	13	17	13	11	448
Kumamoto	1	3	4		2			2	1				1	1	2		3				2				22
Oita	11	7	9		3		8	8	6	9	2	3			5	1	1	2	2	1	3	6	2	1	90
Miyazaki	8	7	7		5		9	2	6	5	3	1	3	3	3	1	2	1	1	3	2	4	2	6	84
Kagoshima	15	11	22		14		12	8	13	7	10	7	8	12	6	8	5	4	4	9	5	4	7	5	196
Okinawa							1									1		1		1		2		4	10
total	685	666	647	604	616	617	519	506	510	441	436	470	462	450	397	378	399	355	323	295	293	295	309	293	10,966

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 fishery in Japan in 1999-2022

fishery industry Code No.070201

Type of fatal accidents in fishery 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	1		4	1			2	1		1		1	1												12
falling to same level									1						1				1						3
crash																									
struck by flying or falling object					1										1				1			1			4
collapse																									
crashed by		1									1				2	1	1								6
caught in/between	3	4	3	8	2	2	2	2		1	1	1	2	1		2	2	4	1		4	3		1	49
cut																									
injury to the sole of the foot																									
drown	5	4	5	1	1	2	4	1	4	7	3	5	3	7	5	5	4	3	2		5	4	6	3	89

contact to high/low-temperature			1																						1
contact to harmful substance							1			1							2								4
electric shock					1																				1
explosion					1																				1
burst																									
fire																									
traffic accident (public road)	1	1						2		1	1	1													7
traffic accident (others)	1			3		1	2	3	1		2	4	4			1	1	1	2		1	2	5	1	35
reaction to motion/improper motion																									
others												1	1	1				1	1						5
unclassifiable																									
total	11	10	13	13	6	5	11	9	6	11	8	13	11	9	9	9	10	9	8		10	10	11	5	217

Causal agents (large) of fatal accidents in fishery 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	2	3	1	3	1							1			1		1	1	1		1	1			17
crane, conveying machine	7	5	7	7	1	5	8	9	5	6	7	9	7	8	3	6	1	5	6		7	7	10	3	139
other equipment	1	2	3	1	2				1			1	1		2	1	2		1		2			1	21
temporary buildings, establishments				1																					1
substance, material					1												1								2
load																									
environment	1		2	1	1		3			5	1	2	3		2	2	5	1				2	1	1	33
others														1	1			2							4
total	11	10	13	13	6	5	11	9	6	11	8	13	11	9	9	9	10	9	8		10	10	11	5	217

Causal agents (middle) of fatal accidents in fishery 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		1																							1
woodworking machine																									
construction machine																						1			1

metal manufacturing machine																									
general machine	2	2	1	3	1							1			1		1	1	1		1				15
mobile silviculture machine																									
crane		1	1	3	1	2	2	1	1	1		1		1		2		1	1		2				21
conveying machine		1					1	2			2	1	1	1					1		1	1		1	13
vehicle	7	3	6	4		3	5	6	4	5	5	7	6	6	3	4	1	4	4		4	6	10	2	105
pressure vessel																									
chemical facilities																									
welding equipment																									
kiln, caldron																									
electric equipment					1																				1
human power machine, tools																									
tools	1	2	2	1					1			1			2	1	2		1		2			1	17
other equipments, facilities			1		1								1												3
temporary buildings, establishments				1																					1
hazards, harmful substances					1												1								2

materials																									
load																									
natural environment	1		2	1	1		3			5	1	2	3		2	2	5	1				2	1	1	33
other causal agent															1										1
no causal agent														1				1							2
unclassifiable																		1							1
total	11	10	13	13	6	5	11	9	6	11	8	13	11	9	9	9	10	9	8		10	10	11	5	217

Causal agents (small) of fatal accidents in fishery 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		1																							1
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																						1			1
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																	1				1				2
roll machine (except printingroll machine)	2	1																							3
injection molding machine																									
food manufacturing machine																									
printing machine																									
industrial robot																									
other general power machines		1	1	3	1							1			1			1	1						10
felling machine																									
mobile logging																									

machine																									
skyline yarding machine																									
other mobile silviculture machine																									
crane																									
mobile crane									1			1				1									3
derrick crane																									
elevator, lift																									
cargo lifting appliance																									
gondola																									
lumberyard equipment, logging cableway																									
simple skyline yarding equipment																									
other powered crane		1	1	3	1	2	2	1		1				1		1		1	1		2				18
truck		1						1			1	1	1												5
forklift							1	1											1			1			4
railway equipment																									
conveyor																									

loader																									
straddle carrier																									
rough terrain hauler																									
other powered conveying machines											1			1							1			1	4
cars, bus, motorcycle	1									1															2
railway vehicle																									
other vehicles	6	3	6	4		3	5	6	4	4	5	7	6	6	3	4	1	4	4		4	6	10	2	103
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					1																				1
human power cranes																									
human power hauling equipment																									
human power machine																									
hand tool																									
ladder																									
slinging tool															1										1
other tools	1	2	2	1					1			1			1	1	2		1		2			1	16
other equipment, facilities			1		1								1												3
scaffolding																									
timbering																									
stairs, landing stage																									
opening																									
roof, beam, haze,																									

crossbeam, principal rafter																									
working platform, boot board																									
passage																									
building, establishment				1																					1
other temporary buildings, establishments																									
explosive substance																									
inflammable substance																									
inflammable gas					1																				1
harmful substance																	1								1
radiation																									
other hazards, harmful substances																									
metal material																									
lumber, bamboo																									
stone, sand, substance																									

other materials																									
load																									
machine/equipment as load																									
natural ground, rock																									
standing tree																									
water	1		1	1			2			4	1	2	3		2	2	2	1				2	1	1	26
abnormal environment							1			1							1								3
high/cold temperature environment			1																						1
other environments					1												2								3
other causal agent															1										1
no causal agent														1				1							2
unclassifiable																		1							1
total	11	10	13	13	6	5	11	9	6	11	8	13	11	9	9	9	10	9	8		10	10	11	5	217

Workers age of fatal accidents in fishery in 1999-2022

Age	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
19 years old or less				1												1						2			4

20-29	1							1		1	2	1	1	1	2	1	3	1				1		1	17
30-39		1	3	1			1	1		1		2	1	1	2	1	2					1	2	1	21
40-49	1	1	3	1		3	2	4	1	3	1	1	1	3	1	2	1	1	1			2			33
50-59		2	4	3	1		2	2	2	1	1	3	3	1	2	1	1	1	4		2	1	3		40
60 years old or more	9	6	3	7	5	2	6	1	3	5	4	6	5	3	2	3	3	6	3		8	3	6	3	102
total	11	10	13	13	6	5	11	9	6	11	8	13	11	9	9	9	10	9	8		10	10	11	5	217

Workers' number of workplace of fatal accidents in fishery 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	7	5	8	8	5	2	7	7	3	5	6	9	7	8	5	5	7	7	4		8	8	10	4	145
10-29	3	4	4	4	1	3	4	1	1	4	2	3	3	1	3	2	3	2	3		1	2	1	1	56
30-49	1	1		1					1	2		1			1				1		1				10
50-99			1					1	1				1			2									6
100-299																									
300 workers or more																									
total	11	10	13	13	6	5	11	9	6	11	8	13	11	9	9	9	10	9	8		10	10	11	5	217

Month of fatal accidents in fishery 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	2	1	3			3			3		2		1	2	1	1		2			1		2	26

February				1			1			1	1			2		1	2	1			1		1		12
March	1	2	2					3				1	6		1	1						2	1		20
April		1	1	2		2	1			1	1	1	1		1	1	2	1	1		2	1			20
May		1	4		1						1	1	1			2		2			1		3		17
June			2		2		1		2	1		1			1			1			1			1	13
July	1	1		1				1		1	1											1	2		9
August	2			2	1	1	2	1	2		1	1			1	1	1	3				2			21
September		1	1	1			1	2		1	1		2	4	2	1	1	1	2			2	1		24
October	3		2	3	1		1	1	1	1	2			2			1				2				20
November	1	1				1	1		1	1		3	1		1	1	2		1		2		2	1	20
December	1	1			1	1		1		1		3							2		1	1	1	1	15
total	11	10	13	13	6	5	11	9	6	11	8	13	11	9	9	9	10	9	8		10	10	11	5	217

Prefecture of fatal accidents in fishery 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	2	1	7	5	2	2	4	5	3	1	5	9	6	3	4	5		2	4		1	3	3	1	78
Aomori										1	1			2		1			1			2	3		11
Iwate		1		1			2			1			1		2	1									9
Miyagi		1	1					1					1				2		1						7
Akita																									

Yamagata																									
Fukushima																									
Ibaraki														1				1					1		3
Tochigi																									
Gunma																									
Saitama																									
Chiba	1	2																							3
Tokyo													1											1	2
Kanagawa									1													1			2
Niigata	2							1		2															5
Toyama			1						1	2									1		1	1			7
Ishikawa	1	2										1									1				5
Fukui																	1								1
Yamanashi																									
Nagano																									
Gifu																		1							1
Shizuoka	2						2	1		1	1		2				1	1			1		1	1	14
Aichi																									
Mie							1														1				2
Shiga																									
Kyoto																		1							1

Osaka																		1			1				2
Hyogo		1												1										1	3
Nara																									
Wakayama	1			1		1						1				1	2						1		8
Tottori	1																								1
Shimane					1					1															2
Okayama																									
Hiroshima	1	1																				1			3
Yamaguchi																					1				1
Tokushima			1									1		2				2							6
Kagawa				1			1			1						1							1	1	6
Ehime			1		1				1																3
Kochi					1	1					1				1						1	1	1		7
Fukuoka																	1								1
Saga								1																	1
Nagasaki				1								1			1		1								4
Kumamoto					1										1						1				3
Oita		1	1	2			1														1	1			7
Miyazaki																									
Kagoshima			1	2		1				1							2		1						8
Okinawa																									

total	11	10	13	13	6	5	11	9	6	11	8	13	11	9	9	9	10	9	8		10	10	11	5	217

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

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