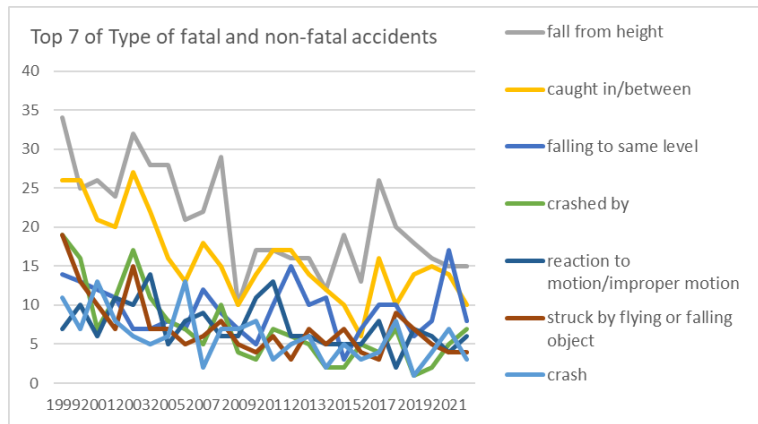
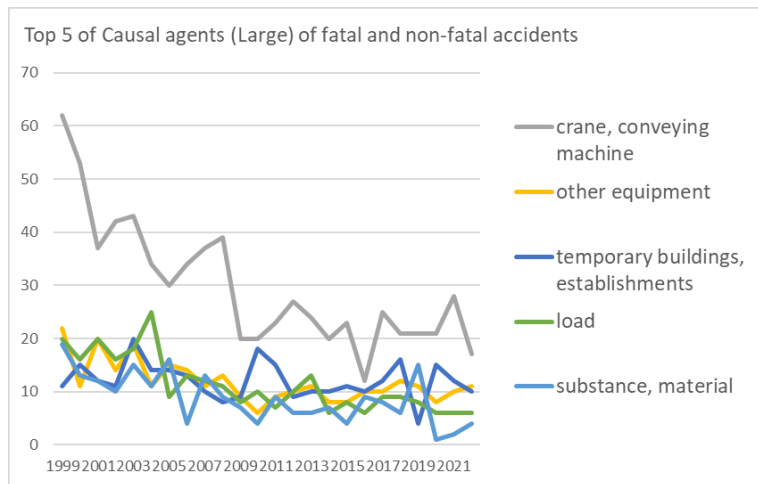


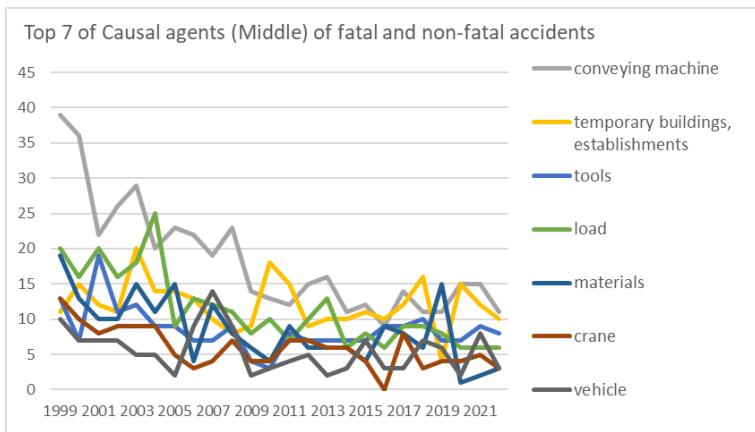
Transition of fatal and non-fatal accidents in 050201 general harbor transportation service in Japan (1999-2022)



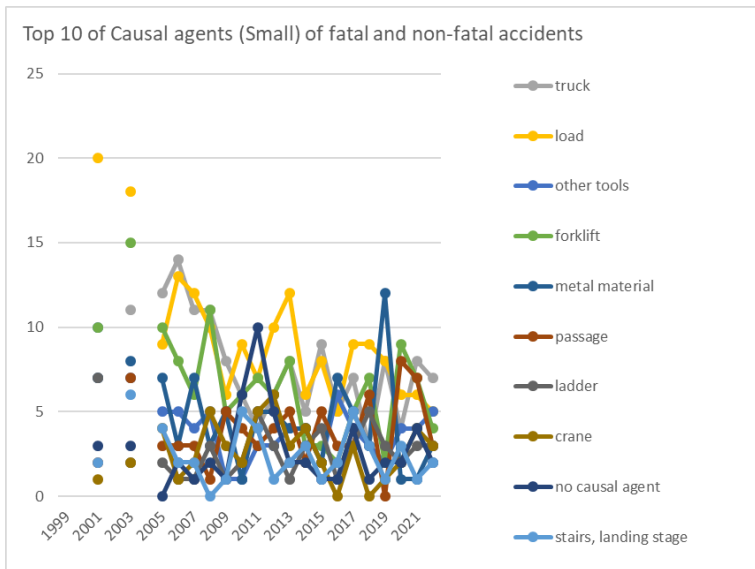
Transition of Top 7 of Type of fatal and non-fatal accidents in 050201 general harbor transportation service in Japan (1999-2022)



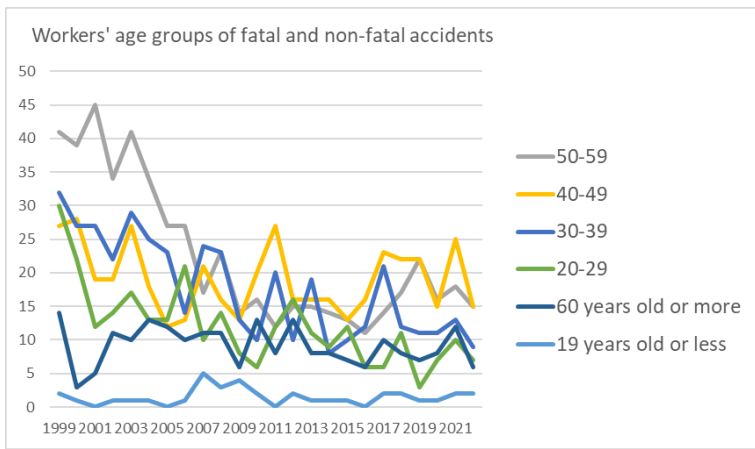
Transition of Top 5 of Causal agents (Large) of fatal and non-fatal accidents in 050201 general harbor transportation service in Japan (1999-2022)



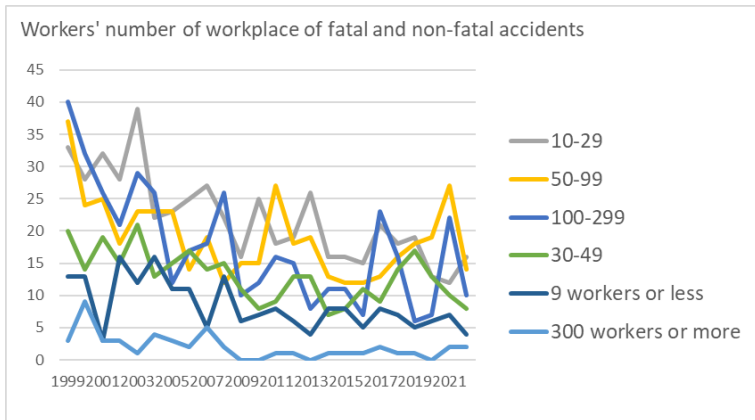
Transition of Top 7 of Causal agents (Middle) of fatal and non-fatal accidents in 050201 general harbor transportation service in Japan (1999-2022)



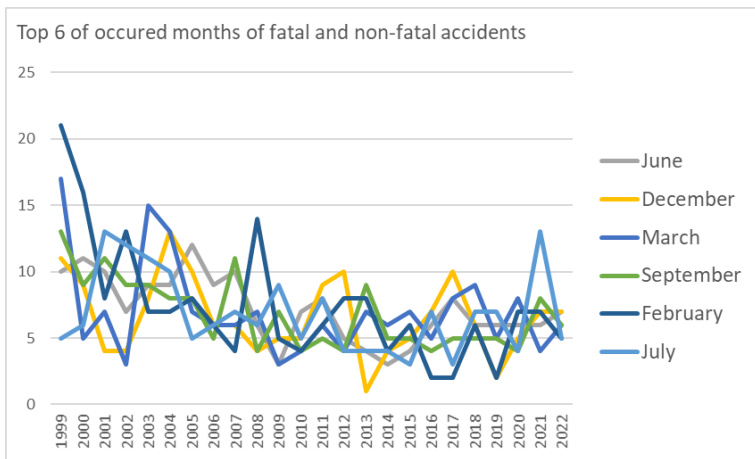
Transition of Top 10 of Causal agents (Small) of fatal and non-fatal accidents in 050201 general harbor transportation service in Japan (1999-2022)



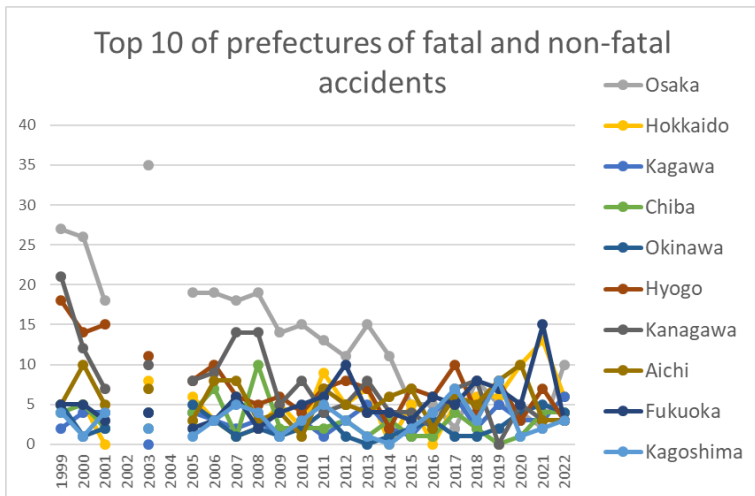
Transition of workers' age groups of fatal and non-fatal accidents in 050201 general harbor transportation service in Japan (1999-2022)



Transition of workers' number of workplace of fatal and non-fatal accidents in 050201 general harbor transportation service in Japan (1999-2022)



Transition of Top 6 of occurred months of fatal and non-fatal accidents in 050201 general harbor transportation service in Japan (1999-2022)



Transition of Top 10 of prefectures of fatal and non-fatal accidents in 050201 general harbor transportation service in Japan (1999-2022)

Transition of Type of fatal and non-fatal accidents in 050201 general harbor transportation service in Japan (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	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	15	499	fall from height
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	caught in/between

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	falling to same level
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	crashed by
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	reaction to motion/improper motion
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	struck by flying or falling object
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	crash
contact to high/low-temperature		1	2		1	1	1		1	1		2	1	1	1	1		2	1				1	1	19	contact to high/low-temperature
collapse	6	4	2	4	2	8	2	3	2		2	1	2		2	2	2	1	3	4	2		2		56	collapse
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)
cut	5	2	1	1	2	1	2	3	4	3	2	1	1	1	2			2			4	1			38	cut
others					2		1	1								2	1				1	1	10		19	others
contact to harmful substance			2		1		1		1	1															6	contact to harmful substance
injury to the sole of the foot	1								1					1											3	injury to the sole of the foot
drown				1								1							1						3	drown
traffic accident (others)			1						1								1								3	traffic accident (others)

fire							1			1															2	fire	
unclassifiable							1													1					2	unclassifiable	
electric shock							1																		1	electric shock	
explosion																											explosion
burst																											burst
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	total	

Transition of Causal agents (Large) of fatal and non-fatal accidents in 050201 general harbor transportation service in Japan (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	Causal (L) agents
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	crane, 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	11	283	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	10	289	temporary buildings, establishments
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	load
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	substance, material
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	others
machine	4	5	1	3	5	3	2	2	3	7	3	1	5	3	2			1	5	4	2	3	5	2	71	machine
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	environment
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	total

Transition of Causal agents (Middle) of fatal and non-fatal accidents in 050201 general harbor transportation service in Japan (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	Causal (M) agents
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	conveying machine
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	temporary buildings, establishments
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	tools
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	load
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	materials
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	crane
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	vehicle
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	human power machine, tools
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	no causal agent
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	natural environment
construction machine	1	1		2	3	2	1	1		4	1	1	3	2	1			1	5	1	1	1	4	1	37	construction machine
hazards, harmful substances			2				1		1	1	1					1								1	8	hazards, harmful substances







human power hauling equipment				4				1	2	2					1				1	1			2	14	human power hauling equipment
other vehicles			2	2		2	4	8	7	2	3	4	3	1	1	5	1	3	5	2	1	6	1	63	other vehicles
building, establishment				2		5	3	1	5		1	4	2	1	2		2		3	1	1	1	1	35	building, establishment
excavating machine				1					2	1		3	1					2		1	1		1	13	excavating machine
other environments				1				1					2	1	1	1		1	1		1	1	1	12	other environments
machine/equipment as load									1	2	1			1			1						1	7	machine/equipment as load
grinding machine, buffing machine			1					2															1	4	grinding machine, buffing machine
human power cranes														1								1	1	3	human power cranes
other hazards, harmful substances						1																	1	2	other hazards, harmful substances
water																				1			1	2	water
lumber, bamboo			3	7		7	1	5	4	1	3	2	1	2	2	1	1	2	3	2				47	lumber, bamboo
mobile crane			5	5		1	2	2	1		1	1	1	1	1	1		4	1	2	1	1		31	mobile crane
slinging tool			2	3		2	1	2	1	2			1	2		1	2	2	2	2	1	2		28	slinging tool
other equipment, facilities				2		2	3	3	1	1	2		2	3		1				1	1			22	other equipment, facilities
other causal agent			2				2		1					1	1			1	2	1	1	10		22	other causal agent
leveling, transporting or loading machine				2		1	1		2		1			1			1	3	1			4		17	leveling, transporting or loading machine



roof, beam, haze, crossbeam, principal rafter			1		1																		2	roof, beam, haze, crossbeam, principal rafter	
stone, sand, substance																1		1						2	stone, sand, substance
natural ground, rock								1													1			2	natural ground, rock
unclassifiable								1																2	unclassifiable
power transmission mechanism																								1	power transmission mechanism
other construction machines																								1	other construction machines
other metal manufacturing machines																								1	other metal manufacturing machines
mixer, grinder																								1	mixer, grinder
other mobile silviculture machine																								1	other mobile silviculture machine
gondola																								1	gondola
lumberyard equipment, logging cableway																								1	lumberyard equipment, logging cableway
other powered crane																								1	other powered crane
railway equipment																								1	railway equipment

chemical facilities					1																			1	chemical facilities	
electric power facilities							1																		1	electric power facilities
inflammable substance										1															1	inflammable substance
abnormal environment										1															1	abnormal environment
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
other woodworking machines																										other woodworking machines
foundation work machine																										foundation work machine
hardening machine																										hardening machine
demolition machine																										demolition machine
vehicle for high lift																										vehicle for high lift





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	total
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Transition of workers' age groups of fatal and non-fatal accidents in 050201 general harbor transportation service in Japan (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	Age
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	50-59
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	40-49
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	30-39
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	20-29
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	60 years old or more
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	19 years old or less
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	total

Transition of workers' number of workplace of fatal and non-fatal accidents in 050201 general harbor transportation service in Japan (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	Workers scale
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	10-29
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	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	10	421	100-299
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	30-49
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	9 workers or less
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	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	54	1,970	total



Transition of occurred months of fatal and non-fatal accidents in 050201 general harbor transportation service in Japan (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	Month
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	June
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	December
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	March
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	September
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	February
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	July
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	January
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	October
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	August
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	April
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	November
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	May
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	total

Transition of prefectures of fatal and non-fatal accidents in 050201 general harbor transportation service in Japan (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	Prefecture
Osaka	27	26	18		35		19	19	18	19	14	15	13	11	15	11	5	5	2	8	5	4	2	10	301	Osaka
Hokkaido	5	5			8		6	3	1	2	5	2	9	5	7		5		5	6	6	10	13	6	109	Hokkaido
Kagawa	2	4	4				4	3	2	3	1	3	1	3	5	2	1	4	6	2	5	3	3	6	67	Kagawa
Chiba	4	5	2		2		4	7	1	10	2	2	2	3	1	3	1	1	4	2		1	4	4	65	Chiba
Okinawa	5	1	2		4		5	3	1	2	1	2	4	1		1	2	3	1	1	2	4	5	4	54	Okinawa
Hyogo	18	14	15		11		8	10	6	5	6	4	7	8	7	2	7	6	10	4	8	3	7	3	169	Hyogo

Kanagawa	21	12	7		10		8	9	14	14	5	8	4	5	8	4	4	2	7	8		5	3	3	161	Kanagawa
Aichi	5	10	5		7		3	8	8	3	4	1	7	5	4	6	7	2	6	5	8	10	3	3	120	Aichi
Fukuoka	5	5	3		4		2	3	6	2	4	5	6	10	4	4	3	6	5	8	7	5	15	3	115	Fukuoka
Kagoshima	4	1	4		2		1	3	5	4	1	3	5	3	1		2	4	7	3	8	1	2	3	67	Kagoshima
Tokyo	14	7	15		9		6	2	4	10	2	3	3	3	5	4	7	7	3	6	5	2	7	2	126	Tokyo
Okayama	3	3	3		2			1	1			3		1				1	2	2	1	3		2	28	Okayama
Hiroshima	3	3	5		1		3	1	5	2	2	4	4	2	3	2	3	1		6	3	1	1	1	56	Hiroshima
Ibaraki		3			1		1	1		2		4	4	1			3	3	2	2			3	1	31	Ibaraki
Nagasaki	5	1	3		2					2	2		1		1	1				1	2		2	1	24	Nagasaki
Fukushima												2	1				1		2				3	1	10	Fukushima
Ishikawa		1	1		3		1							1	1				1					1	10	Ishikawa
Ehime	3	5	3		4		2	5	4	2	1	2		2	1	1	1	1				2	1		40	Ehime
Shizuoka	3	2	2		1		4		1	1	1	1		1			1	1	1		1	1	1		23	Shizuoka
Wakayama	3	1	4		3		2		2	1	2		2		1	1							1		23	Wakayama
Miyagi	1		2		3		1	1		1	1				1	1			5	2	2				21	Miyagi
Niigata		3			3			1			1		1		2	4	1	1	2				1		20	Niigata
Saga	2	2	1		3		1	2	1	1		1		1	1	3									19	Saga
Mie			1		2		1	1	5	1	1		1						1			1		1	16	Mie
Aomori	2		2		1				2	1		2				2			1	1					14	Aomori
Yamaguchi	1	1			1		1									2		2	1			1	1		11	Yamaguchi
Oita	2	1	1											1	1				1		1		1		9	Oita
Iwate	3	1	1													1			1						7	Iwate
Kumamoto	2							2									1			2					7	Kumamoto

Tokushima		1	1				3											1							6	Tokushima	
Yamagata									1	1			1			1			1							5	Yamagata
Kochi			2		2							1														5	Kochi
Akita	2									1													1			4	Akita
Toyama												1	2	1												4	Toyama
Fukui	1	1			1		1																			4	Fukui
Tottori								1	1				1										1			4	Tottori
Miyazaki											1									1	2					4	Miyazaki
Saitama			1										1	1												2	Saitama
Kyoto		1	1																							2	Kyoto
Gifu														1												1	Gifu
Nara																	1									1	Nara
Tochigi																											Tochigi
Gunma																											Gunma
Yamanashi																											Yamanashi
Nagano																											Nagano
Shiga																											Shiga
Shimane																											Shimane
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	total	

Data Source : <https://anzeninfo.mhlw.go.jp/user/anzen/tok/anst00.html> MHLW, Jaan

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