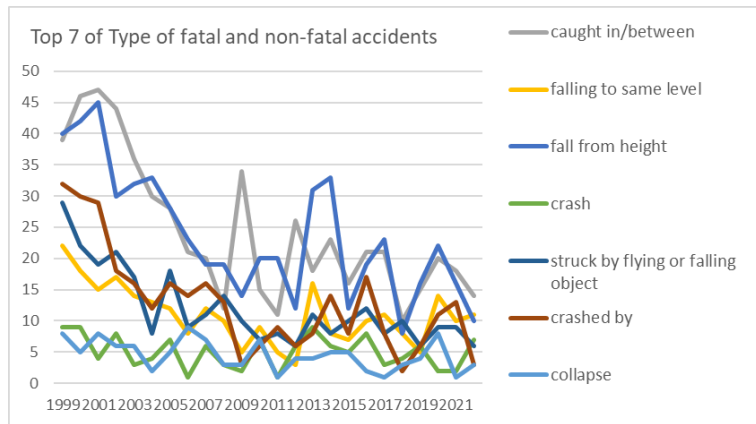
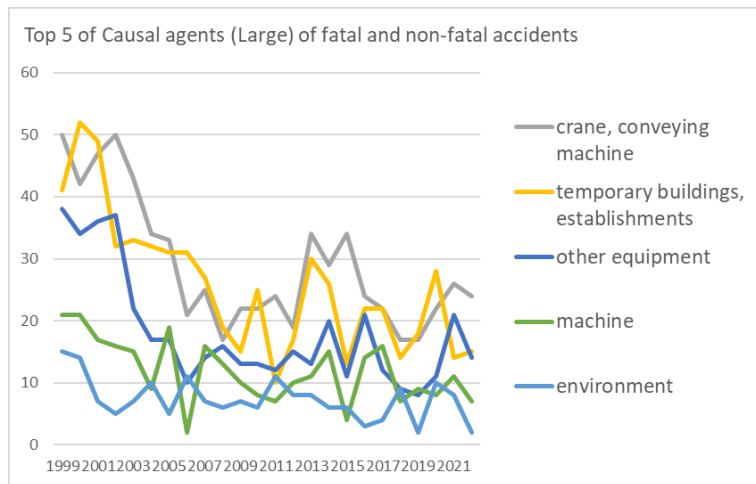


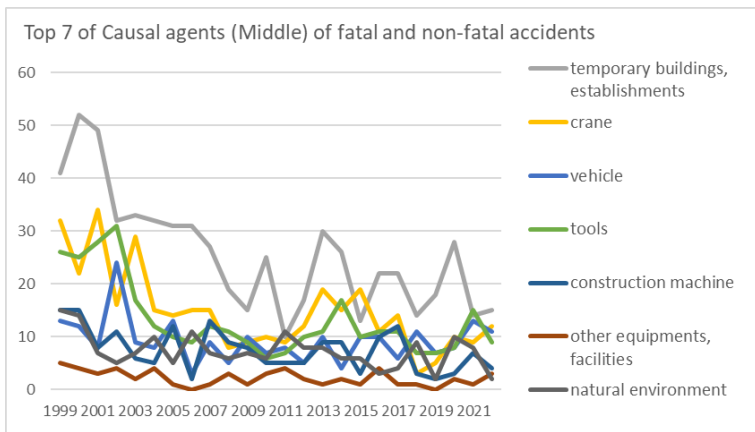
Transition of fatal and non-fatal accidents in 030111 port/seaside construction work in Japan (1999-2022)



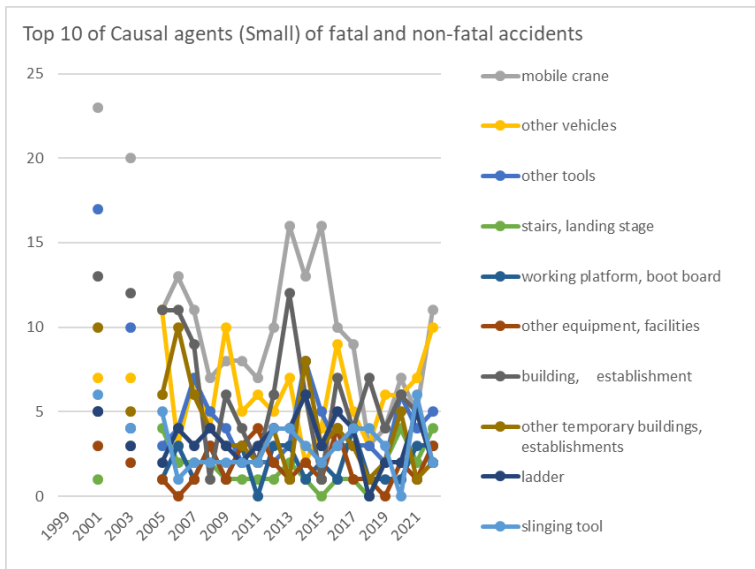
Transition of Top 7 of Type of fatal and non-fatal accidents in 030111 port/seaside construction work in Japan (1999-2022)



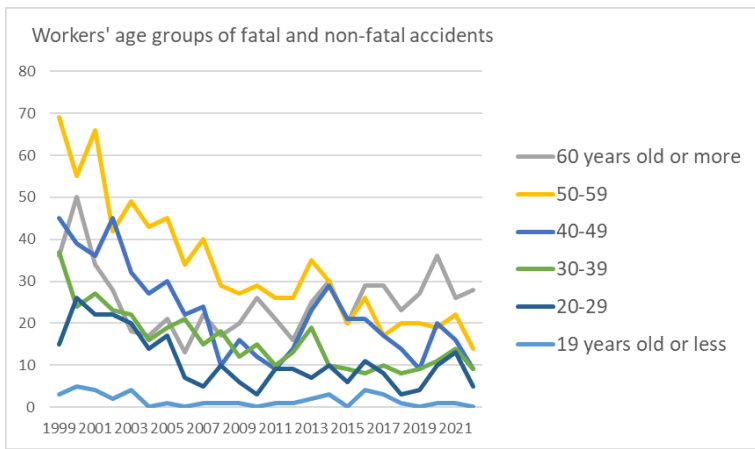
Transition of Top 5 of Causal agents (Large) of fatal and non-fatal accidents in 030111 port/seaside construction work in Japan (1999-2022)



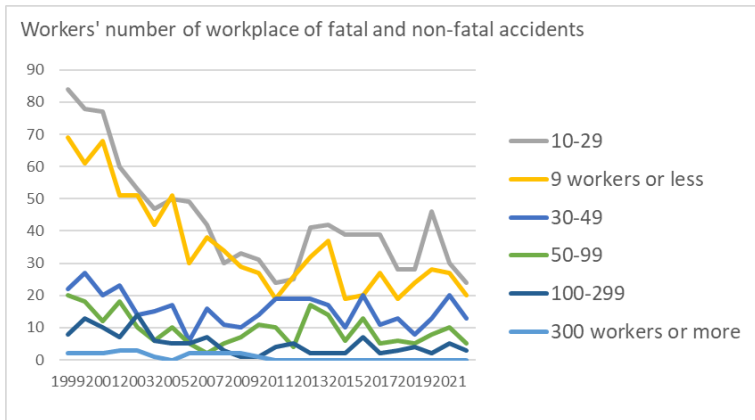
Transition of Top 7 of Causal agents (Middle) of fatal and non-fatal accidents in 030111 port/seaside construction work in Japan (1999-2022)



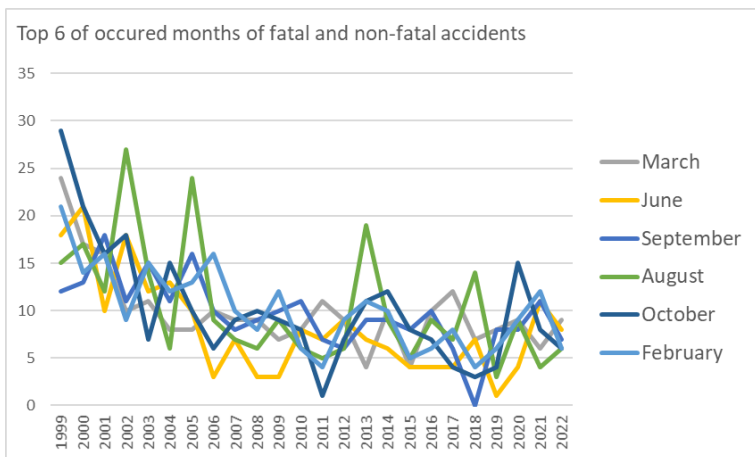
Transition of Top 10 of Causal agents (Small) of fatal and non-fatal accidents in 030111 port/seaside construction work in Japan (1999-2022)



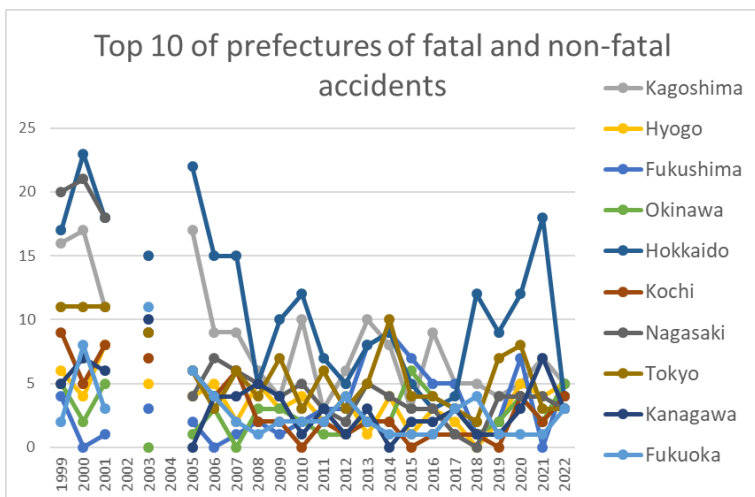
Transition of workers' age groups of fatal and non-fatal accidents in 030111 port/seaside construction work in Japan (1999-2022)



Transition of workers' number of workplace of fatal and non-fatal accidents in 030111 port/seaside construction work in Japan (1999-2022)



Transition of Top 6 of occurred months of fatal and non-fatal accidents in 030111 port/seaside construction work in Japan (1999-2022)



Transition of Top 10 of prefectures of fatal and non-fatal accidents in 030111 port/seaside construction work in Japan (1999-2022)

Transition of Type of fatal and non-fatal accidents in 030111 port/seaside construction work 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
caught in/between	39	46	47	44	36	30	28	21	20	12	34	15	11	26	18	23	16	21	21	10	15	20	18	14	585	caught in/between
falling to same level	22	18	15	17	14	13	12	8	12	10	5	9	5	3	16	8	7	10	11	8	5	14	10	11	263	falling to same level



the foot	1					1						1			1									4	of the foot	
unclassifiable					1						1							1	1					4	unclassifiable	
electric shock		1										1										1		3	electric shock	
fire						1																		1	fire	
burst																									burst	
total	205	199	189	162	145	117	133	97	107	85	82	85	76	79	111	112	76	99	84	69	69	97	92	65	2,635	total

Transition of Causal agents (Large) of fatal and non-fatal accidents in 030111 port/seaside construction work 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	50	42	47	50	43	34	33	21	25	17	22	22	24	19	34	29	34	24	22	17	17	22	26	24	698	crane, conveying machine
temporary buildings, establishments	41	52	49	32	33	32	31	31	27	19	15	25	10	17	30	26	13	22	22	14	18	28	14	15	616	temporary buildings, establishments
other equipment	38	34	36	37	22	17	17	10	14	16	13	13	12	15	13	20	11	21	12	9	8	11	21	14	434	other equipment
machine	21	21	17	16	15	9	19	2	16	13	10	8	7	10	11	15	4	14	16	7	9	8	11	7	286	machine
environment	15	14	7	5	7	10	5	11	7	6	7	6	11	8	8	6	6	3	4	9	2	10	8	2	177	environment
substance, material	33	31	25	18	19	10	22	19	14	10	10	8	8	6	9	11	4	9	4	7	8	11	6	1	303	substance, material
load	4	2	6	3	3	2	4		2	3	3	1	3	3	3	2	3	4	3	1	5	5	2	1	68	load
others	3	3	2	1	3	3	2	3	2	1	2	2	1	1	3	3	1	2	1	5	2	2	4	1	53	others

total	205	199	189	162	145	117	133	97	107	85	82	85	76	79	111	112	76	99	84	69	69	97	92	65	2,635	total
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Transition of Causal agents (Middle) of fatal and non-fatal accidents in 030111 port/seaside construction work 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
temporary buildings, establishments	41	52	49	32	33	32	31	31	27	19	15	25	10	17	30	26	13	22	22	14	18	28	14	15	616	temporary buildings, establishments
crane	32	22	34	16	29	15	14	15	15	8	9	10	9	12	19	15	19	11	14	3	5	10	9	12	357	crane
vehicle	13	12	8	24	9	8	13	3	9	5	10	7	8	5	10	4	10	10	6	11	7	8	13	11	224	vehicle
tools	26	25	28	31	17	12	10	9	12	11	9	6	7	10	11	17	10	11	11	7	7	8	15	9	319	tools
construction machine	15	15	8	11	6	5	12	2	13	9	8	5	5	5	9	9	3	10	12	3	2	3	7	4	181	construction machine
other equipments, facilities	5	4	3	4	2	4	1		1	3	1	3	4	2	1	2	1	4	1	1		2	1	3	53	other equipments, facilities
natural environment	15	14	7	5	7	10	5	11	7	6	7	6	11	8	8	6	6	3	4	9	2	10	8	2	177	natural environment
conveying machine	5	8	5	10	5	11	6	3	1	4	3	5	7	2	5	10	5	3	2	3	5	4	4	1	117	conveying machine
load	4	2	6	3	3	2	4		2	3	3	1	3	3	3	2	3	4	3	1	5	5	2	1	68	load
human power machine, tools	6	4	5	2	2	1	3		1	2	2	4	1	2		1		3		1		1	3	1	45	human power machine, tools
general machine	2	1	3	2	5		1		2	2		2	1	1		3		2	2		4	2	2	1	38	general machine

no causal agent	2	2	2	1		1	2	2	2		1	1	1	1	3	3		2	1	5	1	2	1	1	37	no causal agent
metal manufacturing machine	2	1	3	3	3				1	1	2		1	3		2	1	1	2	2	1	1		1	31	metal manufacturing machine
woodworking machine	2	3	2		1	2	2								1	1		1		1	1	2	2	1	22	woodworking machine
hazards, harmful substances	1		2				2	1		1		1		1	1	3						1		1	15	hazards, harmful substances
pressure vessel										1					1			1					1	1	5	pressure vessel
materials	32	31	23	18	19	10	20	18	14	9	10	7	8	5	8	8	4	9	4	7	8	10	6		288	materials
other causal agent	1	1			3	1		1		1	1						1				1		3		14	other causal agent
power transmission mechanism			1			2	2					1		1							1				8	power transmission mechanism
welding equipment	1						3	1						1							1				7	welding equipment
engine		1					2			1					1					1					6	engine
electric equipment		1			1													2					1		5	electric equipment
unclassifiable						1						1													2	unclassifiable
mobile silviculture machine																										mobile silviculture machine









crossbeam, principal rafter						1		1	1	1			1							3			9	crossbeam, principal rafter	
machine/equipment as load					2				1				1				1		1	1	1			8	machine/equipment as load
demolition machine								1		1		1	1			3								7	demolition machine
power transmission mechanism			1			2					1		1							1				6	power transmission mechanism
forklift					1		1			1	1			1	1									6	forklift
engine						2			1				1						1					5	engine
hardening machine										1		1			1						1			4	hardening machine
gas welding equipment						2							1								1			4	gas welding equipment
harmful substance						2									2									4	harmful substance
mixer, grinder									1												1	1		3	mixer, grinder
conveyor			1				1													1				3	conveyor
loader						1						1									1			3	loader
electric power facilities																2						1		3	electric power facilities
opening			3																					3	opening
inflammable gas									1		1			1										3	inflammable gas
chain saw																1						1		2	chain saw
other woodworking machines			1				1																	2	other woodworking machines
lathe																					1	1		2	lathe







radiation																													radiation
total	205	199	189	162	145	117	133	97	107	85	82	85	76	79	111	112	76	99	84	69	69	97	92	65	2,635	total			

Transition of workers' age groups of fatal and non-fatal accidents in 030111 port/seaside construction work 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
60 years old or more	36	50	34	28	18	17	21	13	22	17	20	26	21	16	25	30	20	29	29	23	27	36	26	28	612	60 years old or more
50-59	69	55	66	42	49	43	45	34	40	29	27	29	26	26	35	30	20	26	17	20	20	19	22	14	803	50-59
40-49	45	39	36	45	32	27	30	22	24	10	16	12	9	14	23	29	21	21	17	14	9	20	16	9	540	40-49
30-39	37	24	27	23	22	16	19	21	15	18	12	15	10	13	19	10	9	8	10	8	9	11	14	9	379	30-39
20-29	15	26	22	22	20	14	17	7	5	10	6	3	9	9	7	10	6	11	8	3	4	10	13	5	262	20-29
19 years old or less	3	5	4	2	4		1		1	1	1		1	1	2	3		4	3	1		1	1		39	19 years old or less
total	205	199	189	162	145	117	133	97	107	85	82	85	76	79	111	112	76	99	84	69	69	97	92	65	2,635	total

Transition of workers' number of workplace of fatal and non-fatal accidents in 030111 port/seaside construction work 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	84	78	77	60	53	47	50	49	42	30	33	31	24	25	41	42	39	39	39	28	28	46	30	24	1,039	10-29
9 workers or less	69	61	68	51	51	42	51	30	38	34	29	27	19	26	32	37	19	20	27	19	24	28	27	20	849	9 workers or less
30-49	22	27	20	23	14	15	17	6	16	11	10	14	19	19	19	17	10	20	11	13	8	13	20	13	377	30-49
50-99	20	18	12	18	10	6	10	5	2	5	7	11	10	4	17	14	6	13	5	6	5	8	10	5	227	50-99
100-299	8	13	10	7	14	6	5	5	7	3	1	1	4	5	2	2	2	7	2	3	4	2	5	3	121	100-299
300 workers or more	2	2	2	3	3	1		2	2	2	2	1													22	300 workers or more
total	205	199	189	162	145	117	133	97	107	85	82	85	76	79	111	112	76	99	84	69	69	97	92	65	2,635	total



Transition of occurred months of fatal and non-fatal accidents in 030111 port/seaside construction work 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
March	24	17	16	10	11	8	8	10	9	9	7	8	11	9	4	10	4	10	12	7	8	9	6	9	236	March
June	18	21	10	18	12	13	10	3	7	3	3	8	7	9	7	6	4	4	4	7	1	4	11	8	198	June
September	12	13	18	11	15	11	16	10	8	9	10	11	7	6	9	9	8	10	6		8	8	11	7	233	September
August	15	17	12	27	14	6	24	9	7	6	9	6	5	6	19	9	5	9	7	14	3	9	4	6	248	August
October	29	21	16	18	7	15	10	6	9	10	9	8	1	7	11	12	8	7	4	3	4	15	8	6	244	October
February	21	14	16	9	15	12	13	16	10	8	12	6	4	9	11	10	5	6	8	4	6	9	12	6	242	February
January	16	16	21	22	15	11	5	8	7	8	10	10	7	2	6	7	9	9	9	4	8	11	8	6	235	January
December	13	24	23	12	5	6	4	13	10	5	4	4	9	6	15	8	7	9	6	7	7	7	7	5	216	December
November	20	17	20	8	13	13	15	6	13	6	10	9	8	5	11	9	9	13	5	8	5	10	4	4	241	November
May	11	12	14	9	10	7	8	3	12	6	1	5	7	6	8	8	8	11	9	7	5	3	5	3	178	May
April	16	14	9	9	8	5	9	1	3	8	2	4	4	8	5	12	8	8	7	5	6	3	6	3	163	April
July	10	13	14	9	20	10	11	12	12	7	5	6	6	6	5	12	1	3	7	3	8	9	10	2	201	July
total	205	199	189	162	145	117	133	97	107	85	82	85	76	79	111	112	76	99	84	69	69	97	92	65	2,635	total

Transition of prefectures of fatal and non-fatal accidents in 030111 port/seaside construction work 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
Kagoshima	16	17	11		9		17	9	9	6	4	10	3	6	10	8	3	9	5	5	4	5	7	5	178	Kagoshima
Hyogo	6	4	8		5		4	5	2	5	3	4	2	4	1	4	1	3	2		2	5	4	5	79	Hyogo
Fukushima	4		1		3		2		1	2	1	2	3	3	8	9	7	5	5	1	2	7		5	71	Fukushima
Okinawa	5	2	5				1	3		3	3	2	1	1	2	2	6	4	3	1	2	4	2	5	57	Okinawa
Hokkaido	17	23	18		15		22	15	15	5	10	12	7	5	8	9	5	3	4	12	9	12	18	4	248	Hokkaido



Ibaraki	3	1			2			2	1	2	2	1	2	3	1	4	1	3	5	1	3	3	2		42	Ibaraki	
Chiba	2	1	5		2		6	5	2	1	2	1	2	1			1	3		1	1	2	1		39	Chiba	
Ishikawa	2	2	3		1		1	1	4	3	1	2	1	2	1	1	2	1				1			29	Ishikawa	
Toyama	5	4	1		3					1	2		2					1		2	1		3		25	Toyama	
Miyazaki	2	2	2				1	1	2				2	2	2			3				3	2		24	Miyazaki	
Fukui	1	1	2		5		1	3				1	1	1	2	1	1				1	1			22	Fukui	
Tokushima	2	2	2		2		2	1	1	1		1		1	1	1	1	1			1	2			22	Tokushima	
Tottori	1		1		1		2		1	4	1	1	2			3	2	1		1					21	Tottori	
Yamagata	2	2	1		1		1				1	1		1	2	2			3	1			1		19	Yamagata	
Kagawa	2		2				2		3		2		1	1		1			1	2		1			18	Kagawa	
Osaka	2		1		1		1			2	2		1				3		1		1	1	1		17	Osaka	
Gifu					1													1							2	Gifu	
Tochigi														1												1	Tochigi
Gunma	1																									1	Gunma
Saitama														1												1	Saitama
Shiga										1																1	Shiga
Yamanashi																											Yamanashi
Nagano																											Nagano
Nara																											Nara
total	205	199	189	162	145	117	133	97	107	85	82	85	76	79	111	112	76	99	84	69	69	97	92	65	2,635	total	

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