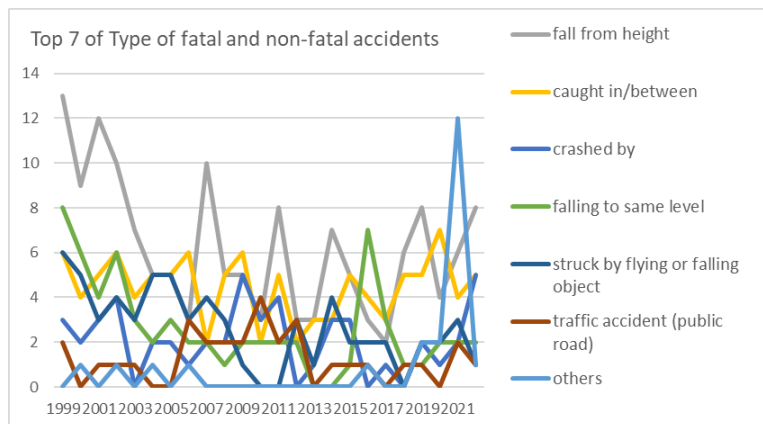
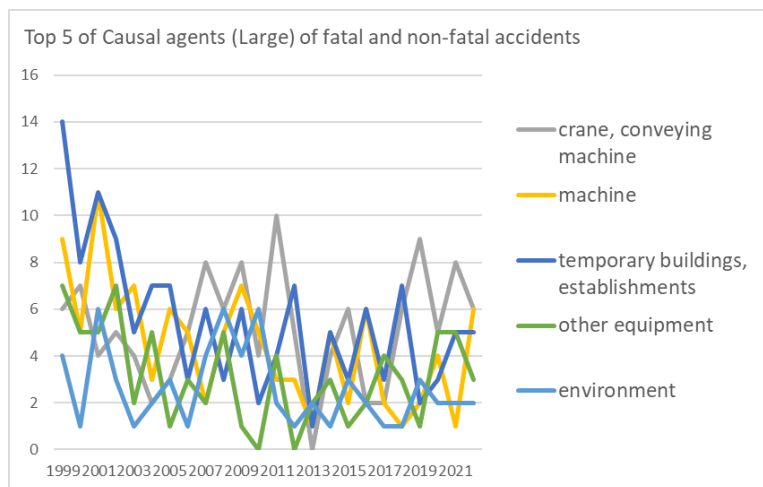


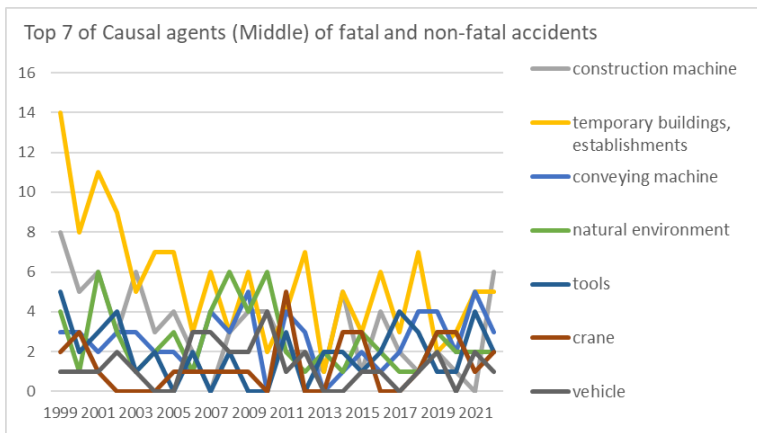
Transition of fatal and non-fatal accidents in 030101 hydroelectric plant construction work in Japan (1999-2022)



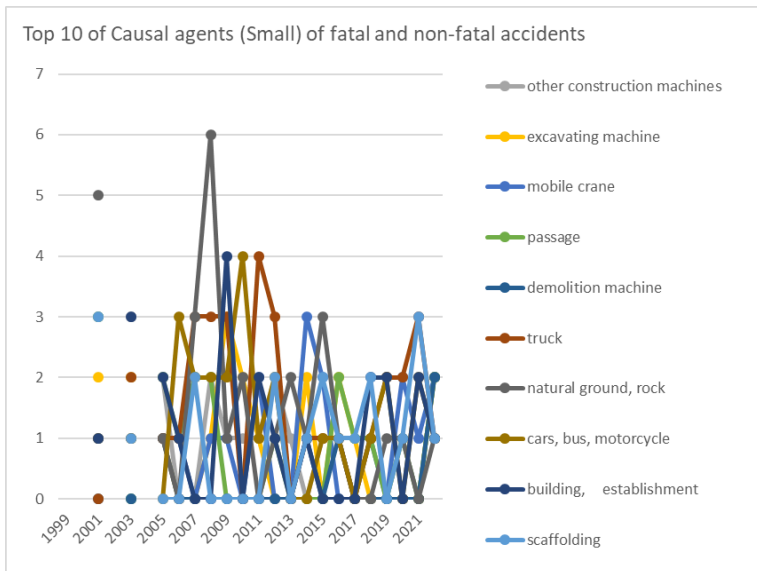
Transition of Top 7 of Type of fatal and non-fatal accidents in 030101 hydroelectric plant construction work in Japan (1999-2022)



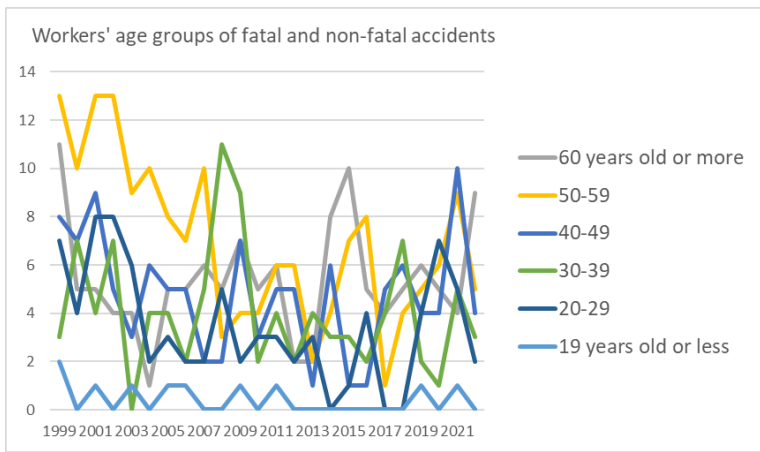
Transition of Top 5 of Causal agents (Large) of fatal and non-fatal accidents in 030101 hydroelectric plant construction work in Japan (1999-2022)



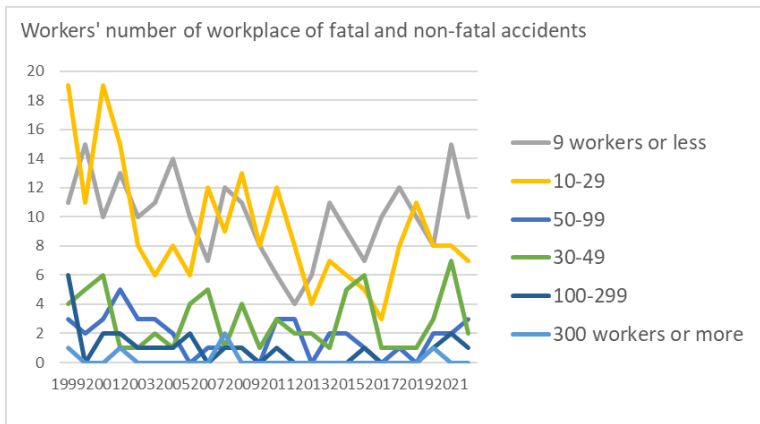
Transition of Top 7 of Causal agents (Middle) of fatal and non-fatal accidents in 030101 hydroelectric plant construction work in Japan (1999-2022)



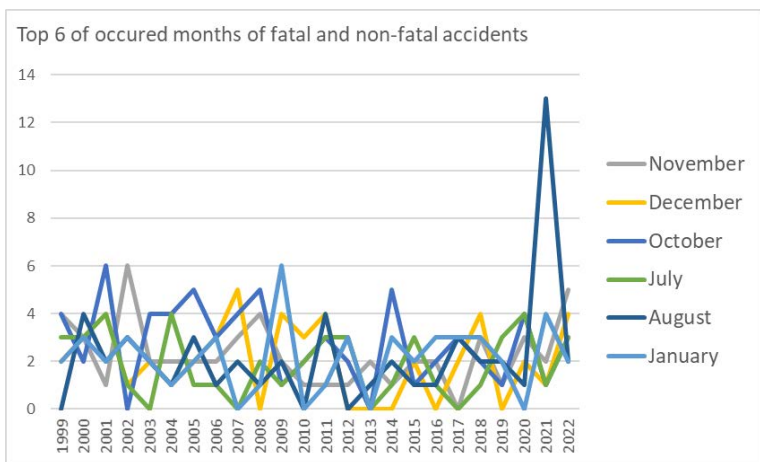
Transition of Top 10 of Causal agents (Small) of fatal and non-fatal accidents in 030101 hydroelectric plant construction work in Japan (1999-2022)



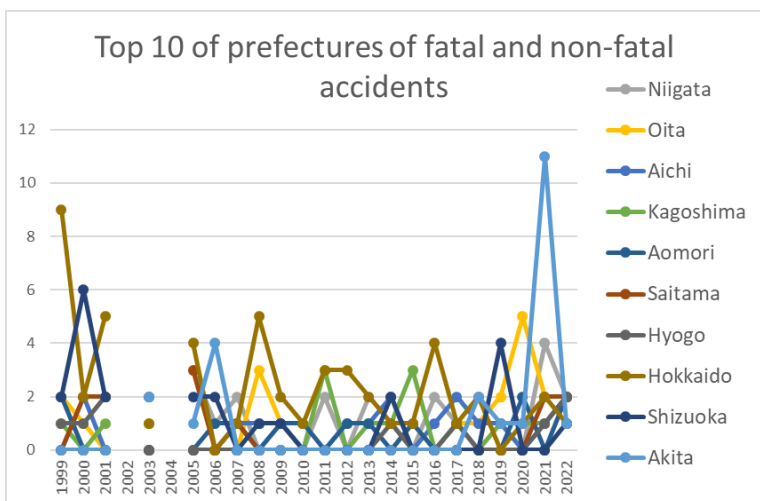
Transition of workers' age groups of fatal and non-fatal accidents in 030101 hydroelectric plant construction work in Japan (1999-2022)



Transition of workers' number of workplace of fatal and non-fatal accidents in 030101 hydroelectric plant construction work in Japan (1999-2022)



Transition of Top 6 of occurred months of fatal and non-fatal accidents in 030101 hydroelectric plant construction work in Japan (1999-2022)



Transition of Top 10 of prefectures of fatal and non-fatal accidents in 030101 hydroelectric plant construction work in Japan (1999-2022)

Transition of Type of fatal and non-fatal accidents in 030101 hydroelectric plant 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
fall from height	13	9	12	10	7	5	5	3	10	5	5	3	8	3	3	7	5	3	2	6	8	4	6	8	150	fall from height
caught in/between	6	4	5	6	4	5	5	6	2	5	6	2	5	2	3	3	5	4	3	5	5	7	4	5	107	caught in/between

(others)													1												1	(others)
explosion																										explosion
burst																										burst
fire																										fire
unclassifiable																										unclassifiable
total	44	33	40	37	23	23	26	22	25	26	30	17	25	17	12	21	22	20	14	22	22	23	34	23	601	total

Transition of Causal agents (Large) of fatal and non-fatal accidents in 030101 hydroelectric plant 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	6	7	4	5	4	2	3	5	8	6	8	4	10	5		4	6	2	2	6	9	5	8	6	125	crane, conveying machine
machine	9	5	11	6	7	3	6	5	2	5	7	5	3	3	1	5	2	6	2	1	2	4	1	6	107	machine
temporary buildings, establishments	14	8	11	9	5	7	7	3	6	3	6	2	4	7	1	5	3	6	3	7	2	3	5	5	132	temporary buildings, establishments
other equipment	7	5	5	7	2	5	1	3	2	5	1		4		2	3	1	2	4	3	1	5	5	3	76	other equipment
environment	4	1	6	3	1	2	3	1	4	6	4	6	2	1	2	1	3	2	1	1	3	2	2	2	63	environment
others		1	1	1	1	1				1	1		1		1	1	2			2	1	2	13	1	31	others
substance, material	3	6	2	5	3	3	5	4	2		2			1	4	2	5	1	1	2	4	2			57	substance, material
load	1			1			1	1	1		1		1		1			1	1						10	load

other equipments, facilities	1	1		3	1	1			1	1										1	1		12	equipments, facilities		
no causal agent			1		1	1				1	1				1	1	1			2	1		1	12	no causal agent	
woodworking machine	1		3	1				1			1	1										2	1		11	woodworking machine
human power machine, tools	1	1	1			2	1	1	1	1			1										1		11	human power machine, tools
load	1			1			1	1	1		1			1	1										10	load
metal manufacturing machine				1	1		1			2		1					1								7	metal manufacturing machine
hazards, harmful substances		1			1				2							1							1		6	hazards, harmful substances
welding equipment											1											2			3	welding equipment
power transmission mechanism			1								1														2	power transmission mechanism
unclassifiable													1				1								2	unclassifiable
engine																										engine
mobile silviculture machine																										mobile silviculture machine

stairs, landing stage			2								1	1	1		1		1	1	1				1	10	stairs, landing stage
other environments						1	1	1		2	1						1			1	1		1	10	other environments
other tools			1						1						1		2	1			1	1	1	9	other tools
other powered conveying machines			1		1					1								1				1	1	6	other powered conveying machines
conveyor						1											1	1					1	4	conveyor
transmission									1														1	2	transmission
metal material			1		1		4	1	2		1				2	1	3	1	1	1	2	1		22	metal material
other temporary buildings, establishments			1				1	1		1	2		1	1			2		1		1			12	other temporary buildings, establishments
other general power machines			1				1	2		1	1		1	1			1	1			1			11	other general power machines
no causal agent			1		1					1	1				1	1	1			2	1		1	11	no causal agent
slinging tool			2					1		1			1						2	1			1	9	slinging tool
circular sawing machine			3								1	1										2		7	circular sawing machine
leveling, transporting or loading machine			1		1				2			1							1		1			7	leveling, transporting or loading machine
load								1	1		1		1		1			1	1					7	load
other equipment, facilities					1					1	1					1						1	1	6	other equipment, facilities
standing tree							1				1	2							1				1	6	standing tree
rough terrain hauler			1								1									2	1			5	rough terrain hauler

lumber, bamboo						1				1								1	2				5	lumber, bamboo	
stone, sand, substance			1		1			1						1			1							5	stone, sand, substance
grinding machine, buffing machine					1			1									1							4	grinding machine, buffing machine
crane								1						1							1			4	crane
other powered crane														1							3			4	other powered crane
hand tool							1			1				1								1		4	hand tool
opening							1								1	1	1							4	opening
working platform, boot board			1		1												1							4	working platform, boot board
foundation work machine																	2				1			3	foundation work machine
railway equipment									1												1		1	3	railway equipment
human power hauling equipment			1					1	1															3	human power hauling equipment
timbering							1		2															3	timbering
harmful substance								2									1							3	harmful substance
other materials																2	1							3	other materials
water														1							1	1		3	water
high/cold temperature environment			1																				1	3	high/cold temperature environment

power transmission mechanism			1							1														2	power transmission mechanism
arc welding equipment																					2			2	arc welding equipment
other hazards, harmful substances				1																	1			2	other hazards, harmful substances
unclassifiable												1												2	unclassifiable
wood planer machine								1																1	wood planer machine
chain saw																						1		1	chain saw
vehicle for high lift work																					1			1	vehicle for high lift work
drill press, milling machine											1													1	drill press, milling machine
forging pressure hammer									1															1	forging pressure hammer
elevator, lift													1											1	elevator, lift
forklift																								1	forklift
other vehicles									1															1	other vehicles
gas welding equipment											1													1	gas welding equipment
other electrical equipment			1																					1	other electrical equipment
roof, beam, haze, crossbeam,																								1	roof, beam, haze, crossbeam,

Transition of occurred months of fatal and non-fatal accidents in 030101 hydroelectric plant 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
November	4	3	1	6	2	2	2	2	3	4	2	1	1	1	2	1	2	2		3	1	3	2	5	55	November
December	2	3	4	1	2	1	2	3	5		4	3	4				2		2	4		2	1	4	49	December
October	4	2	6		4	4	5	3	4	5	1	2	3	2		5	1	2	3	2	1	4	1	3	67	October
July	3	3	4	1		4	1	1		2	1	2	3	3		1	3	1		1	3	4	1	3	45	July
August		4	2	3	2	1	3	1	2	1	2		4		1	2	1	1	3	2	2	1	13	2	53	August
January	2	3	2	3	2	1	2	3		1	6		1	3		3	2	3	3	3	2		4	2	51	January
March	12	3	1	3	1	1	4		3	3	1	1	4	1	2	2	3	1		2	3	2	1	1	55	March
May	4	4	5	3	1	3		5	2	2	1	2	3		3	5	1	1			1	1		1	48	May
February		4	3	6	1	2	2		2	2	5			3	1	1	1	2	1	1	2	3	2	1	45	February
June	4	1	2	4	1	3	3	1	1	2	1	1			2		2				2	1	3	1	35	June
September	5	3	7	5	2	1		2	1	3	3		2	4	1	1	3	3	1	2	1	1	5		56	September
April	4		3	2	5		2	1	2	1	3	5					1	4	1	2	4	1	1		42	April
total	44	33	40	37	23	23	26	22	25	26	30	17	25	17	12	21	22	20	14	22	22	23	34	23	601	total

Transition of prefectures of fatal and non-fatal accidents in 030101 hydroelectric plant 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
Niigata	2				1		3	1	2		1		2		2	1		2	1	1	1		4	2	26	Niigata
Oita	2	1			1					3	1						1		1	1	2	5	2	2	22	Oita
Aichi		2							1	1	1			1	1	2		1	2	1	1		1	2	17	Aichi
Kagoshima	1		1										3		1	1	3				1	1	1	2	15	Kagoshima
Aomori	2							1	1		1	1		1	1		1		1			2		2	14	Aomori

Saitama		2	2				3		1													2	2	12	Saitama	
Hyogo	1	1	2												1			1				1	2	9	Hyogo	
Hokkaido	9	2	5		1		4		1	5	2	1	3	3	2	1	1	4	1	2		1	2	1	51	Hokkaido
Shizuoka	2	6	2		2		2	2		1	1				2					4			1	25	Shizuoka	
Akita					2		1	4												2	1	1	11	1	23	Akita
Tokyo	3						1				2	2	1	2	1	2	1		1	1	1			1	19	Tokyo
Iwate	1	1	1					2		3	1			1				2		1				1	14	Iwate
Gunma	1	3	1					1										1	1		1	1		1	11	Gunma
Nagano	2				1		2						1				1		1	1		1		1	11	Nagano
Ibaraki		1			1		1				2										2			1	8	Ibaraki
Saga		1					1	1			1	1												1	6	Saga
Gifu		1	3				2	2	3	1	2		2				1	2					2		21	Gifu
Fukushima	2	1	3						4	1	1		1	1	1	1	1			1	1		1		20	Fukushima
Toyama	3		4							1			1	1		2	2					2			16	Toyama
Fukuoka	3		1							1	1		3	2		1	1	3							16	Fukuoka
Yamagata			1		4		1	3	1	1											2		2		15	Yamagata
Miyagi	1						1	1			2	4								2		2	1		14	Miyagi
Kumamoto	1		2					1		1		1	1	1			2	1	1	1		1			14	Kumamoto
Chiba	1				2						1			3			1			2		2			12	Chiba
Miyazaki	1	3	3		2								2												11	Miyazaki
Osaka								2	1			2	1				2				1				9	Osaka
Okayama		3	2		1						2									1					9	Okayama
Hiroshima	1		1						1	2							1		2	1					9	Hiroshima

Kanagawa			2						3							1					2			8	Kanagawa	
Mie										1			1		2	3		1						8	Mie	
Nara					2						1	1						1		1			2	8	Nara	
Kochi							2		2	1	2					1								8	Kochi	
Kyoto	1									2		1				2				1				7	Kyoto	
Yamaguchi		1	1		1				1				1							1	1			7	Yamaguchi	
Kagawa	2	1	1										1						1		1			7	Kagawa	
Tokushima										1	2							2			1			6	Tokushima	
Yamanashi		1					1				1						1							4	Yamanashi	
Shiga			1		1				2															4	Shiga	
Tottori	1		1									1	1											4	Tottori	
Ehime	1											1			1						1			4	Ehime	
Tochigi									1		1	1												3	Tochigi	
Fukui														1						1	1			3	Fukui	
Wakayama		1			1										1									3	Wakayama	
Shimane											1								1			1		3	Shimane	
Nagasaki								1									1							2	Nagasaki	
Okinawa		1					1																	2	Okinawa	
Ishikawa																						1		1	Ishikawa	
total	44	33	40	37	23	23	26	22	25	26	30	17	25	17	12	21	22	20	14	22	22	23	34	23	601	total

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

Return to https://www.jisha.or.jp/english/statistics/202312_05.html