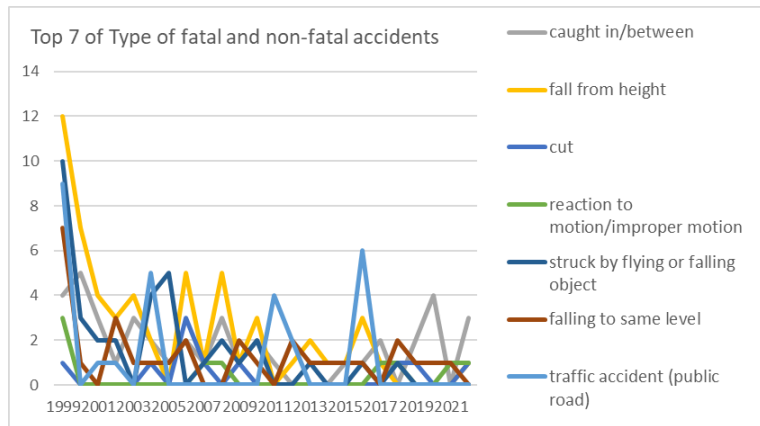
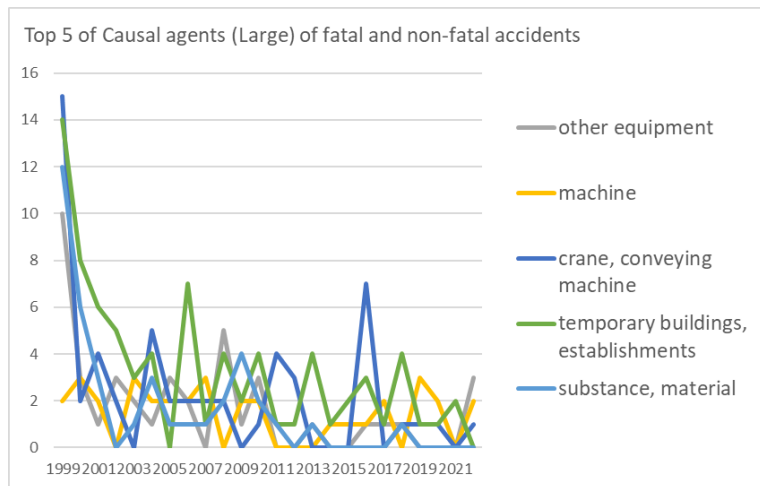


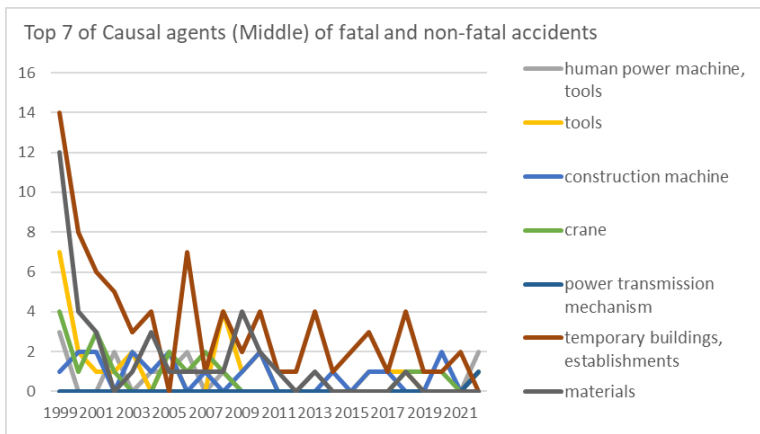
Transition of fatal and non-fatal accidents in 030103 subway construction work in Japan (1999-2022)



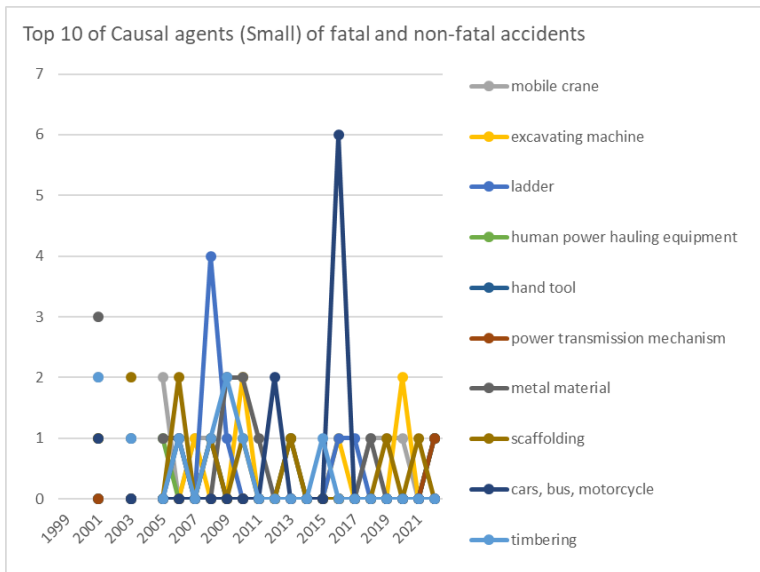
Transition of Top 7 of Type of fatal and non-fatal accidents in 030103 subway construction work in Japan (1999-2022)



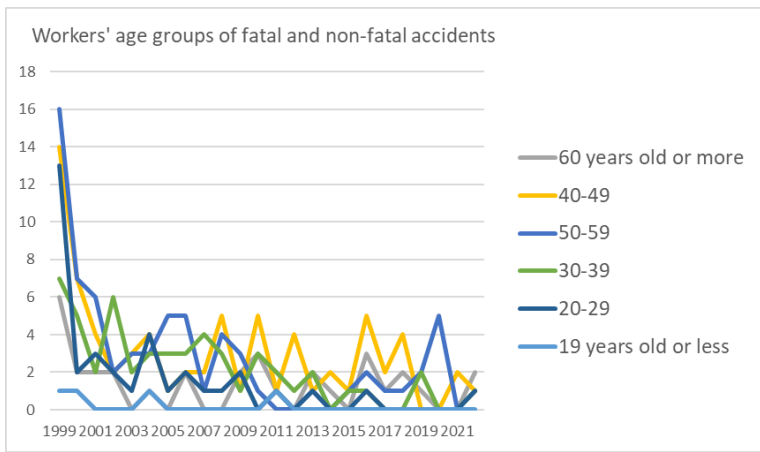
Transition of Top 5 of Causal agents (Large) of fatal and non-fatal accidents in 030103 subway construction work in Japan (1999-2022)



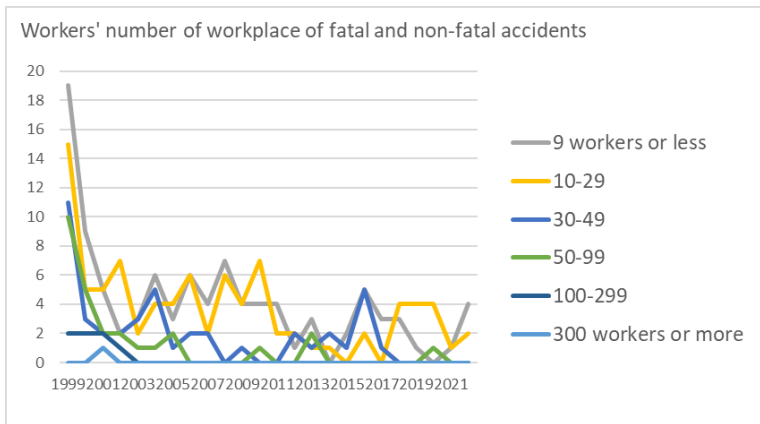
Transition of Top 7 of Causal agents (Middle) of fatal and non-fatal accidents in 030103 subway construction work in Japan (1999-2022)



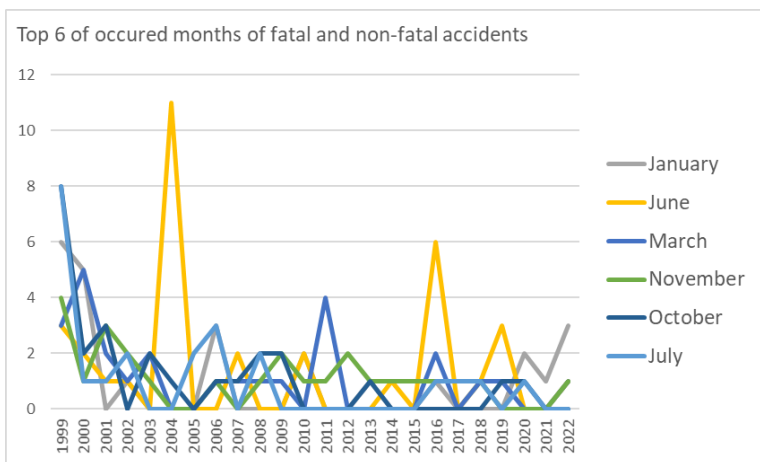
Transition of Top 10 of Causal agents (Small) of fatal and non-fatal accidents in 030103 subway construction work in Japan (1999-2022)



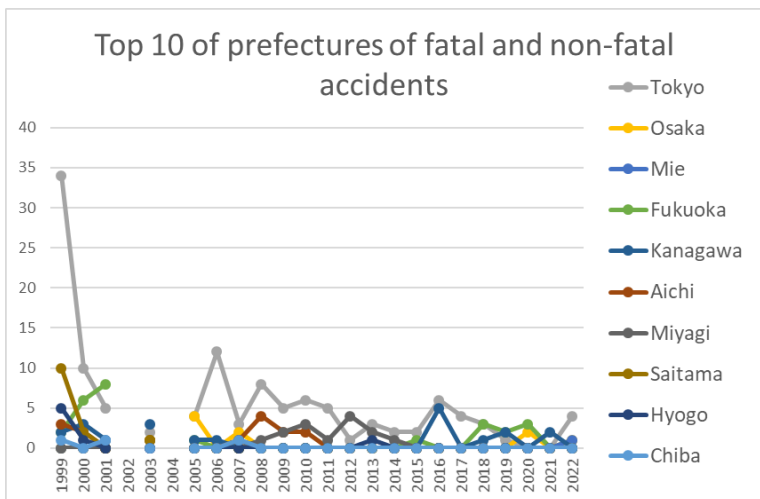
Transition of workers' age groups of fatal and non-fatal accidents in 030103 subway construction work in Japan (1999-2022)



Transition of workers' number of workplace of fatal and non-fatal accidents in 030103 subway construction work in Japan (1999-2022)



Transition of Top 6 of occurred months of fatal and non-fatal accidents in 030103 subway construction work in Japan (1999-2022)



Transition of Top 10 of prefectures of fatal and non-fatal accidents in 030103 subway construction work in Japan (1999-2022)

Transition of Type of fatal and non-fatal accidents in 030103 subway 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	4	5	3	1	3	2	1	2	1	3	1	2	1				1	1	2		2	4		3	42	caught in/between
fall from height	12	7	4	3	4	2		5	1	5	1	3		1	2	1	1	3	1					1	57	fall from height





Transition of Causal agents (Middle) of fatal and non-fatal accidents in 030103 subway 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
human power machine, tools	3			2		1	1	2		1					1									2	13	human power machine, tools
tools	7	2	1	1	2		2			4	1	2						1	1	1				1	26	tools
construction machine	1	2	2		2	1	2		1		1	2				1		1	1			2		1	20	construction machine
crane	4	1	3	1			2	1	2	1										1	1	1		1	19	crane
power transmission mechanism																								1	1	power transmission mechanism
temporary buildings, establishments	14	8	6	5	3	4		7	1	4	2	4	1	1	4	1	2	3	1	4	1	1	2		79	temporary buildings, establishments
materials	12	4	3		1	3	1	1	1	1	4	2	1		1					1					36	materials
conveying machine	3	1				5		1		1		1	4	1				1							18	conveying machine
vehicle	8		1	1										2				6							18	vehicle
load	2	1	1	2		1	1		1													1			10	load
woodworking machine	1				1	1		1	1		1														6	woodworking machine
general machine		1							1							1					2				5	general machine







establishment			1						2					1	1		1							6	establishment
slinging tool			1				2				2													5	slinging tool
other general power machines										1						1				2				4	other general power machines
other temporary buildings, establishments								1					1			1	1							4	other temporary buildings, establishments
circular sawing machine								1	1		1													3	circular sawing machine
grinding machine, buffing machine								1									1		1					3	grinding machine, buffing machine
opening			1					1			1													3	opening
working platform, boot board			1						1				1											3	working platform, boot board
stone, sand, substance									1		2													3	stone, sand, substance
load			1						1											1				3	load
leveling, transporting or loading machine			1		1																			2	leveling, transporting or loading machine
hardening machine															1			1						2	hardening machine
other construction machines							2																	2	other construction machines
other powered crane								1	1															2	other powered crane

other tools					1														1				2	other tools
other environments																1	1						2	other environments
other woodworking machines					1																		1	other woodworking machines
demolition machine											1												1	demolition machine
crane																							1	crane
railway equipment												1											1	railway equipment
other powered conveying machines													1										1	other powered conveying machines
other electrical equipment																							1	other electrical equipment
human power cranes																							1	human power cranes
harmful substance																							1	harmful substance
lumber, bamboo																							1	lumber, bamboo
other materials																							1	other materials
machine/equipment as load																							1	machine/equipment as load
natural ground, rock																							1	natural ground, rock
other causal agent																							1	other causal agent
engine																								engine
band sawing machine																								band sawing machine



mixer, grinder																								mixer, grinder
roll machine (except printingroll machine)																								roll machine (except printingroll machine)
injection molding machine																								injection molding machine
food manufacturing machine																								food manufacturing machine
printing machine																								printing machine
industrial robot																								industrial robot
felling machine																								felling machine
mobile logging machine																								mobile logging machine
skyline yarding machine																								skyline yarding machine
other mobile silviculture machine																								other mobile silviculture machine
derrick crane																								derrick crane
elevator, lift																								elevator, lift
cargo lifting appliance																								cargo lifting appliance
gondola																								gondola
lumberyard equipment, logging cableway																								lumberyard equipment, logging cableway





total	57	24	17	14	9	16	10	14	8	13	9	12	6	5	7	3	3	12	4	7	5	5	2	6	268	total
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Transition of workers' age groups of fatal and non-fatal accidents in 030103 subway 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	6	2	2	2		1		2			2	3	1		2	1		3	1	2	1			2	33	60 years old or more
40-49	14	7	4	2	3	4	1	2	2	5	1	5	1	4	1	2	1	5	2	4			2	1	73	40-49
50-59	16	7	6	2	3	3	5	5	1	4	3	1			1		1	2	1	1	2	5		1	70	50-59
30-39	7	5	2	6	2	3	3	3	4	3	1	3	2	1	2		1	1			2			1	52	30-39
20-29	13	2	3	2	1	4	1	2	1	1	2		1		1			1						1	36	20-29
19 years old or less	1	1				1							1												4	19 years old or less
total	57	24	17	14	9	16	10	14	8	13	9	12	6	5	7	3	3	12	4	7	5	5	2	6	268	total

Transition of workers' number of workplace of fatal and non-fatal accidents in 030103 subway 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
9 workers or less	19	9	5	2	3	6	3	6	4	7	4	4	4	1	3		2	5	3	3	1		1	4	99	9 workers or less
10-29	15	5	5	7	2	4	4	6	2	6	4	7	2	2	1	1		2		4	4	4	1	2	90	10-29
30-49	11	3	2	2	3	5	1	2	2		1			2	1	2	1	5	1						44	30-49
50-99	10	5	2	2	1	1	2					1			2							1			27	50-99
100-299	2	2	2	1																					7	100-299
300 workers or more			1																						1	300 workers or more
total	57	24	17	14	9	16	10	14	8	13	9	12	6	5	7	3	3	12	4	7	5	5	2	6	268	total



Transition of occurred months of fatal and non-fatal accidents in 030103 subway 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
January	6	5		1				3				2			1			1				2	1	3	25	January
June	3	2	1	1		11			2			2				1		6		1	3			1	34	June
March	3	5	2	1	2			1	1	1	1		4					2		1	1			1	26	March
November	4	1	3	2	1			1		1	2	1	1	2	1	1	1	1	1	1				1	26	November
October	8	2	3		2	1		1	1	2	2				1						1	1			25	October
July	8	1	1	2			2	3		2								1	1	1		1			23	July
May	9	3		2			1	1				3							1	1					21	May
April	4	1	1	2		2	1	1	3		1	2					1		1						20	April
February	2		1	1		2	3	2		1					2	2	1	1							18	February
September	5	3	1	1	1		1	1		2					1					2					18	September
December	1		4		2		1			3	1	2		1	1			1				1			18	December
August	4	1		1	1		1		1	1	2		1										1		14	August
total	57	24	17	14	9	16	10	14	8	13	9	12	6	5	7	3	3	12	4	7	5	5	2	6	268	total

Transition of prefectures of fatal and non-fatal accidents in 030103 subway 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
Tokyo	34	10	5		2		4	12	3	8	5	6	5	1	3	2	2	6	4	3	1			4	120	Tokyo
Osaka					1		4		2													2		1	10	Osaka
Mie									1															1	2	Mie
Fukuoka	2	6	8		1		1										1			3	2	3			27	Fukuoka
Kanagawa	2	3	1		3		1	1										5		1	2		2		21	Kanagawa
Aichi	3	2			1				1	4	2	2													15	Aichi



Shiga																									Shiga	
Nara																									Nara	
Wakayama																									Wakayama	
Tottori																									Tottori	
Shimane																									Shimane	
Okayama																									Okayama	
Hiroshima																									Hiroshima	
Yamaguchi																									Yamaguchi	
Tokushima																									Tokushima	
Kagawa																									Kagawa	
Ehime																									Ehime	
Kochi																									Kochi	
Saga																									Saga	
Nagasaki																									Nagasaki	
Kumamoto																									Kumamoto	
Oita																									Oita	
Miyazaki																									Miyazaki	
Kagoshima																									Kagoshima	
total	57	24	17	14	9	16	10	14	8	13	9	12	6	5	7	3	3	12	4	7	5	5	2	6	268	total

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

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