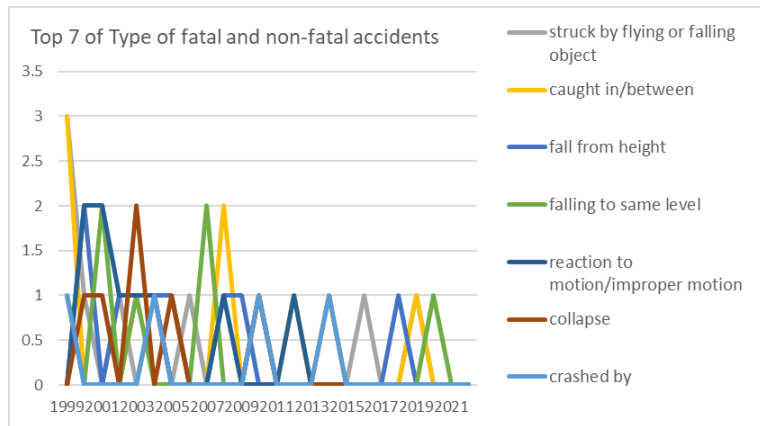
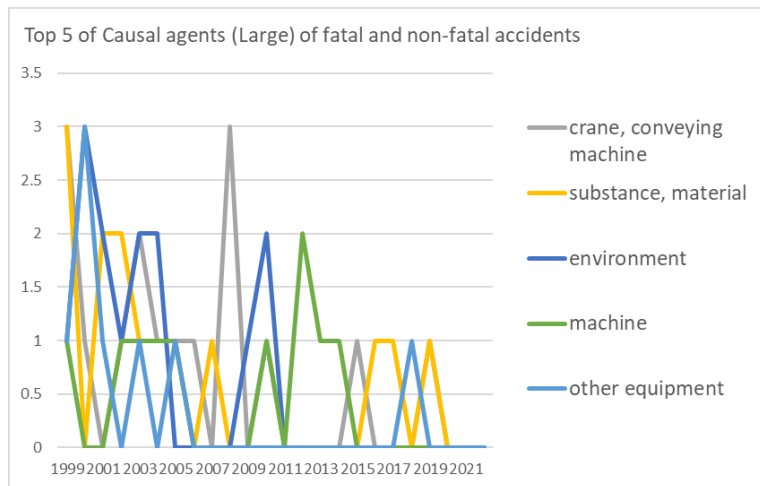


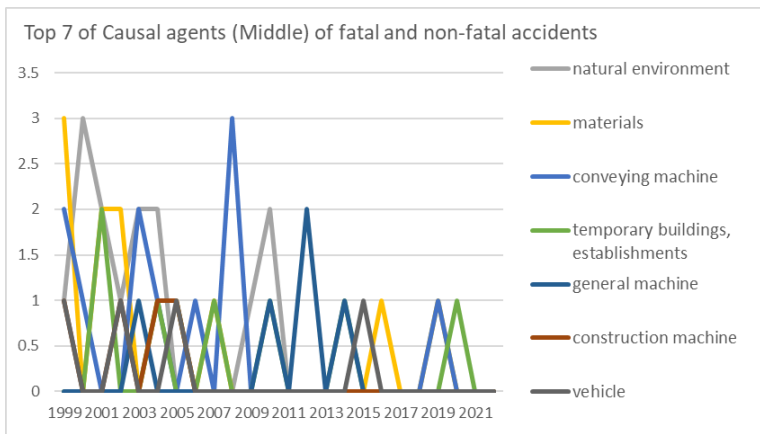
Transition of fatal and non-fatal accidents in 020301 metal mining in Japan (1999-2022)



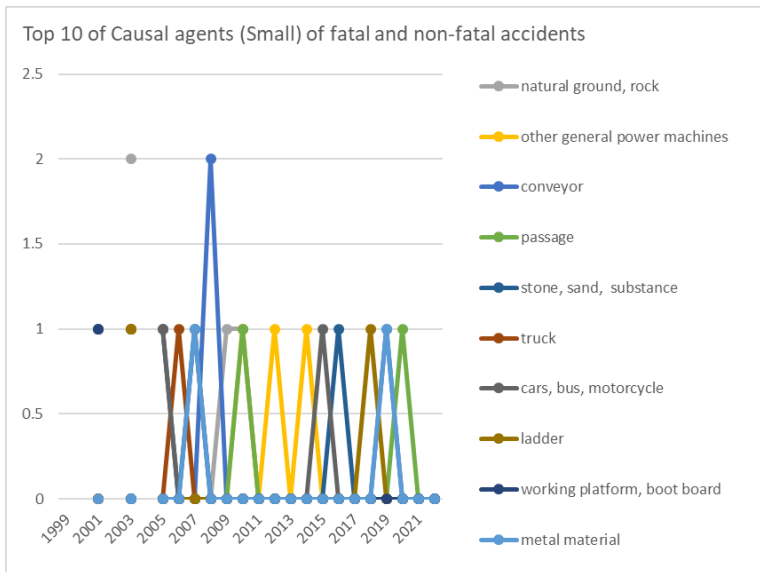
Transition of Top 7 of Type of fatal and non-fatal accidents in 020301 metal mining in Japan (1999-2022)



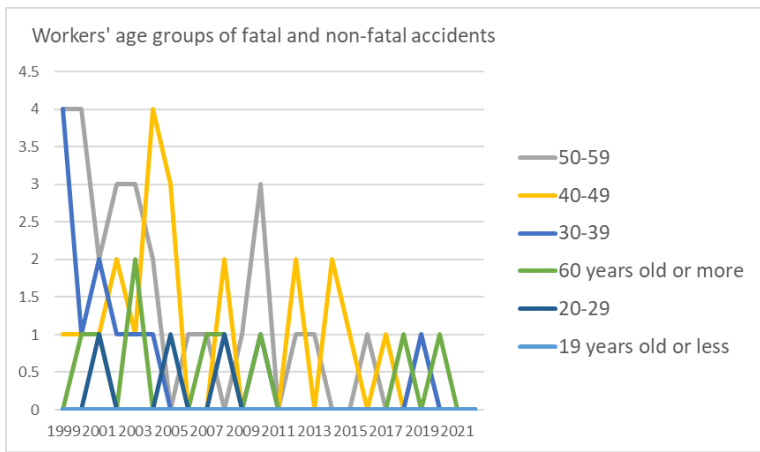
Transition of Top 5 of Causal agents (Large) of fatal and non-fatal accidents in 020301 metal mining in Japan (1999-2022)



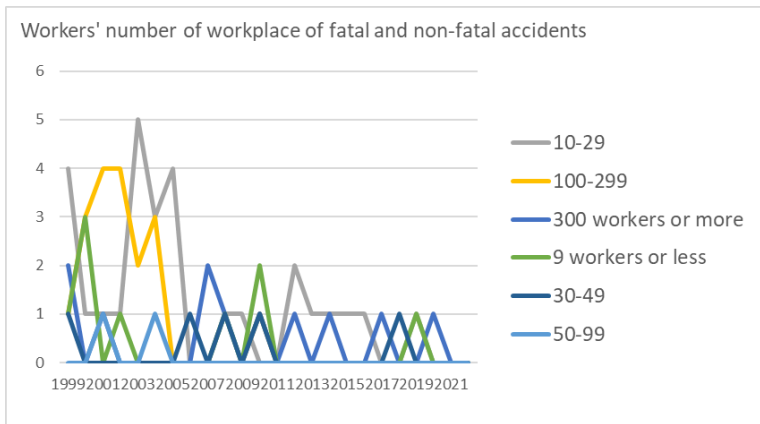
Transition of Top 7 of Causal agents (Middle) of fatal and non-fatal accidents in 020301 metal mining in Japan (1999-2022)



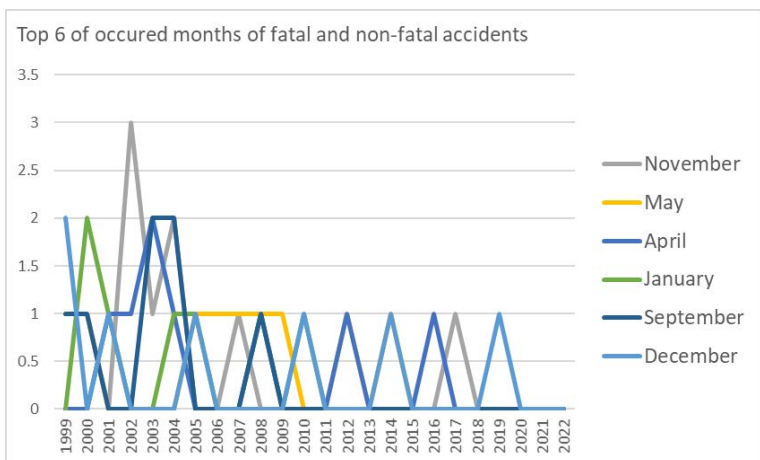
Transition of Top 10 of Causal agents (Small) of fatal and non-fatal accidents in 020301 metal mining in Japan (1999-2022)



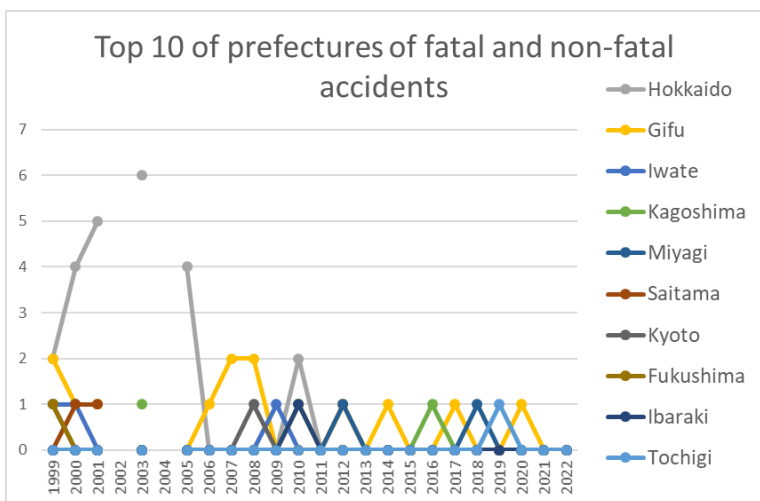
Transition of workers' age groups of fatal and non-fatal accidents in 020301 metal mining in Japan (1999-2022)



Transition of workers' number of workplace of fatal and non-fatal accidents in 020301 metal mining in Japan (1999-2022)



Transition of Top 6 of occurred months of fatal and non-fatal accidents in 020301 metal mining in Japan (1999-2022)



Transition of Top 10 of prefectures of fatal and non-fatal accidents in 020301 metal mining in Japan (1999-2022)

Transition of Type of fatal and non-fatal accidents in 020301 metal mining 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
struck by flying or falling object	3	1		1		1		1				1						1			1				10	struck by flying or falling object
caught in/between	3				1	1	1			2				1							1				10	caught



burst																										burst
fire																										fire
traffic accident (others)																										traffic accident (others)
unclassifiable																										unclassifiable
total	9	7	7	6	7	7	4	1	2	4	1	5		3	1	2	1	1	1	1	2	1			73	total

Transition of Causal agents (Large) of fatal and non-fatal accidents in 020301 metal mining 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	3	1		1	2	1	1	1		3		1					1				1					16	crane, conveying machine
substance, material	3		2	2	1	1	1		1									1	1		1					14	substance, material
environment	1	3	2	1	2	2					1	2														14	environment
machine	1			1	1	1	1					1		2	1	1										10	machine
other equipment	1	3	1		1		1														1					8	other equipment
temporary buildings, establishments			2			1			1			1				1							1			7	temporary buildings, establishments
load						1				1																2	load
others				1										1												2	others







kiln, caldron																										kiln, caldron
electric equipment																										electric equipment
unclassifiable																										unclassifiable
total	9	7	7	6	7	7	4	1	2	4	1	5		3	1	2	1	1	1	1	2	1			73	total

Transition of Causal agents (Small) of fatal and non-fatal accidents in 020301 metal mining in Japan (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	Causal (S) agents
natural ground, rock			1		2						1	1													5	natural ground, rock
other general power machines					1							1		1		1									4	other general power machines
conveyor					1					2												1			4	conveyor
passage			1									1											1		3	passage
stone, sand, substance			1				1											1							3	stone, sand, substance
truck					1			1																	2	truck
cars, bus, motorcycle							1										1								2	cars, bus, motorcycle
ladder					1															1					2	ladder
working platform, boot board			1						1																2	working platform, boot board
metal material									1													1			2	metal material
power transmission mechanism															1										1	power transmission mechanism



machine																									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
chain saw																										chain saw
other woodworking machines																										other woodworking machines
excavating machine																										excavating machine
foundation work machine																										foundation work machine
hardening machine																										hardening machine
demolition machine																										demolition machine
vehicle for high lift work																										vehicle for high lift work
other construction machines																										other construction machines
lathe																										lathe
drill press, milling machine																										drill press, milling machine





other pressure vessels																									other pressure vessels
chemical facilities																									chemical facilities
gas welding equipment																									gas welding equipment
arc welding equipment																									arc welding equipment
other welding equipment																									other welding equipment
kiln, caldron																									kiln, caldron
industrial dryer																									industrial dryer
other kiln, caldron																									other kiln, caldron
transmission																									transmission
electric power facilities																									electric power facilities
other electrical equipment																									other electrical equipment
human power cranes																									human power cranes
human power machine																									human power machine
slinging tool																									slinging tool
other tools																									other tools
other equipment, facilities																									other equipment, facilities







Transition of occurred months of fatal and non-fatal accidents in 020301 metal mining 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	1	1		3	1	2			1										1						10	November
May	1	1					1	1	1	1	1			1		1									9	May
April			1	1	2	1				1				1				1							8	April
January		2	1			1	1			1		1													7	January
September	1	1			2	2				1															7	September
December	2		1				1					1				1					1				7	December
March			1	1			1					2									1				6	March
August	3											1								1		1			6	August
October		1	1	1		1								1											5	October
June		1	1															1							3	June
July	1				2																				3	July
February			1												1										2	February
total	9	7	7	6	7	7	4	1	2	4	1	5		3	1	2	1	1	1	1	2	1			73	total

Transition of prefectures of fatal and non-fatal accidents in 020301 metal mining 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
Hokkaido	2	4	5		6		4					2		1											24	Hokkaido
Gifu	2	1	1					1	2	2		1		1		1			1			1			14	Gifu
Iwate	1	1									1														3	Iwate
Kagoshima					1							1						1							3	Kagoshima
Miyagi														1						1					2	Miyagi



Aichi																								Aichi	
Mie																									Mie
Osaka																									Osaka
Nara																									Nara
Wakayama																									Wakayama
Tottori																									Tottori
Shimane																									Shimane
Okayama																									Okayama
Hiroshima																									Hiroshima
Yamaguchi																									Yamaguchi
Tokushima																									Tokushima
Kagawa																									Kagawa
Ehime																									Ehime
Fukuoka																									Fukuoka
Saga																									Saga
Nagasaki																									Nagasaki
Oita																									Oita
Miyazaki																									Miyazaki
Okinawa																									Okinawa
total	9	7	7	6	7	7	4	1	2	4	1	5		3	1	2	1	1	1	1	2	1		73	total

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

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