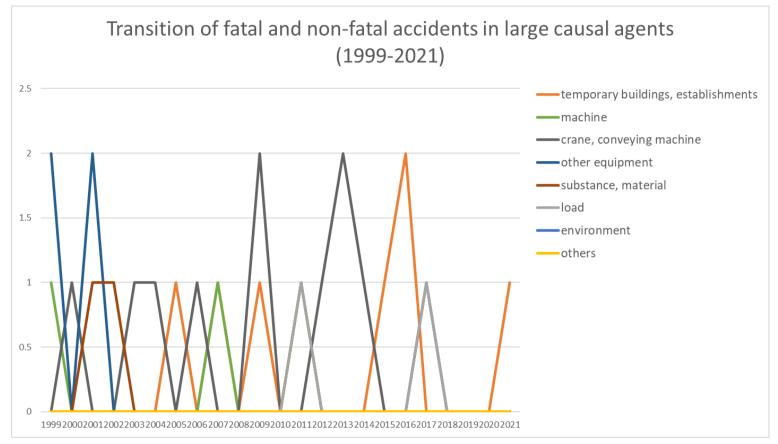
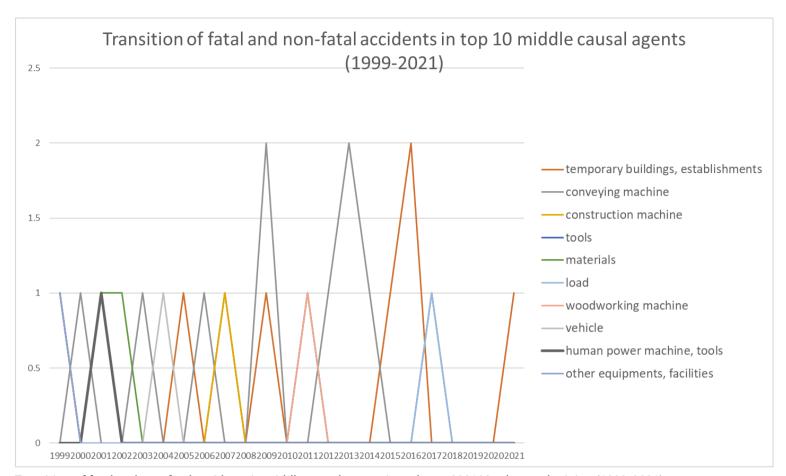
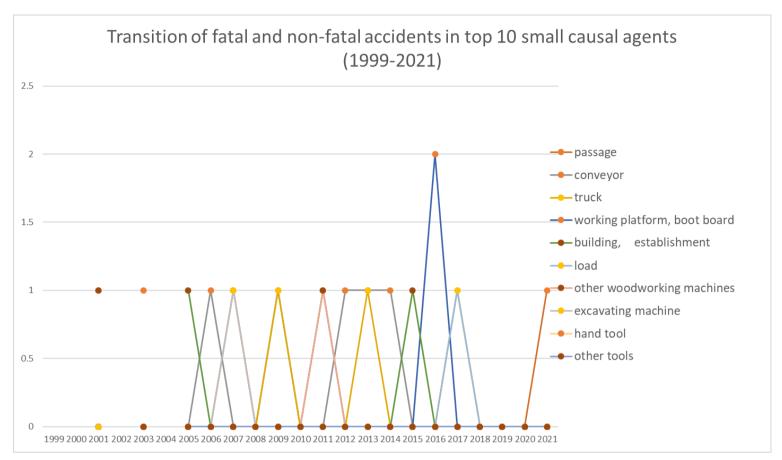
Transition of fatal and non-fatal accidents in each element like as causal agents, type of accidents, etc. in code no. 020109 other coal mining (1999-2021)



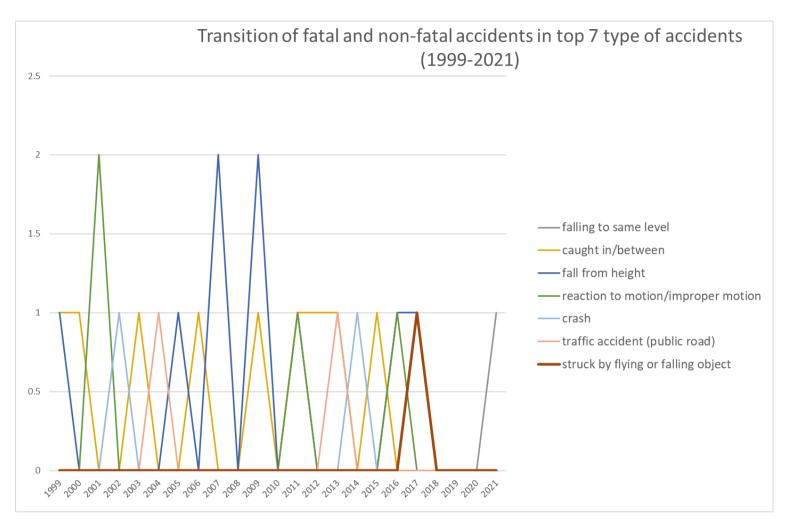
Transition of fatal and non-fatal accidents in large causal agents in code no. 020109 other coal mining (1999-2021)



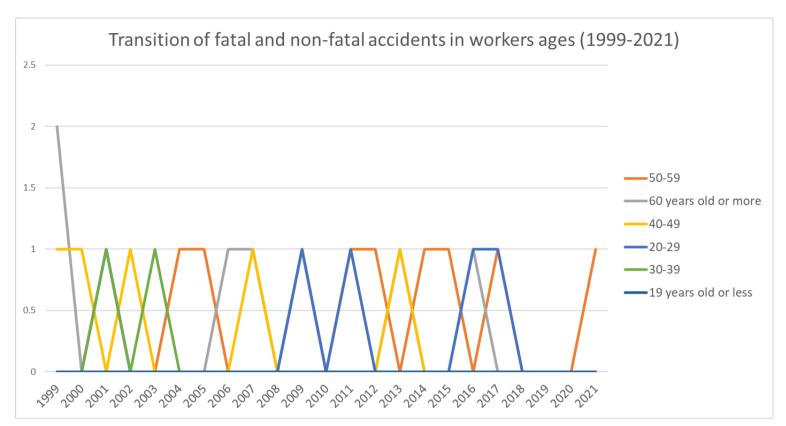
Transition of fatal and non-fatal accidents in middle causal agents in code no. 020109 other coal mining (1999-2021)



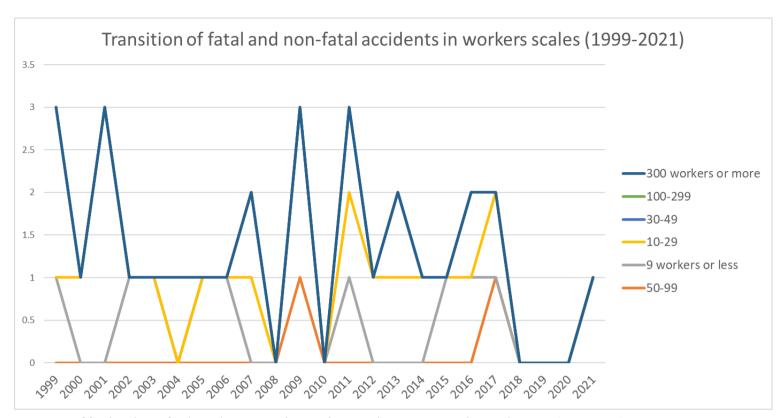
Transition of fatal and non-fatal accidents in small causal agents in code no. 020109 other coal mining (1999-2021)



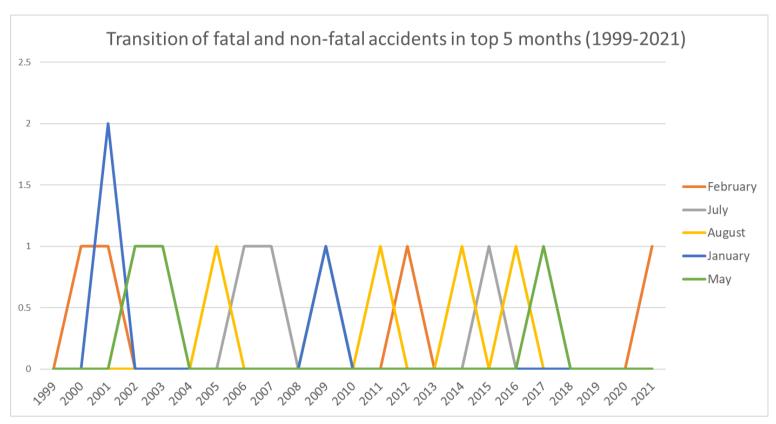
Transition of fatal and non-fatal accidents in type of accidents in code no. 020109 other coal mining (1999-2021)



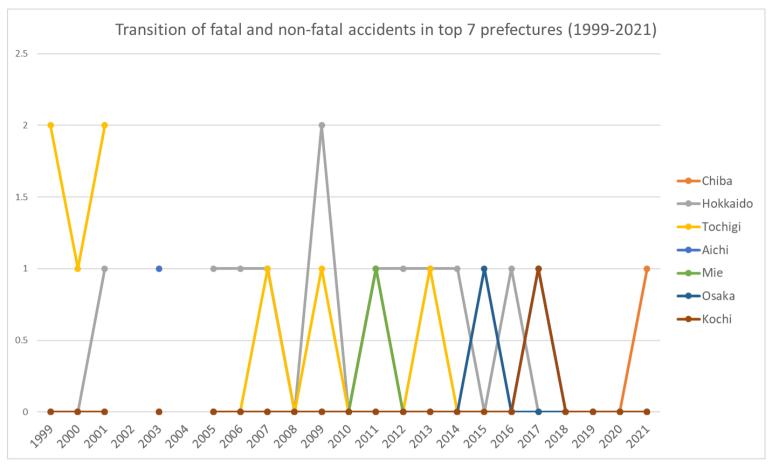
Transition of fatal and non-fatal accidents in workers ages in code no. 020109 other coal mining (1999-2021)



Transition of fatal and non-fatal accidents in workers scales in code no. 020109 other coal mining (1999-2021)



Transition of fatal and non-fatal accidents in months in code no. 020109 other coal mining (1999-2021)



Transition of fatal and non-fatal accidents in prefectures in code no. 020109 other coal mining (1999-2021)

Transition of fatal and non-fatal accidents in large causal agents in code no. 020109 other coal mining (1999-2021)

coc	e 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	total	Causal (L)
							\sqsubseteq																			ugents
4	temporary buildings, establishments							1		1		1		1				1	2					1	8	temporary buildings, establishments
1	machine	1								1				1											3	machine
																										crane,

2	crane, conveying machine		1			1	1		1		2		1	2	1			1				conveying machine
3	other equipment	2		2																	4	other equipment
5	substance, material			1	1																2	substance, material
6	load											1						1			2	load
7	environment																					environment
9	others																					others
	total	3	1	3	1	1	1	1	1	2	3	3	1	2	1	1	2	2		1	30	total

Transition of fatal and non-fatal accidents in middle causal agents in code no. 020109 other coal mining (1999-2021)

code	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		Causal (M)
41	temporary buildings, establishments							1		1		1		1				1	2					1	8	temporary buildings, establishments
22	conveying machine		1			1			1			2			1	2	1			1					10	conveying machine
14	construction machine	1								1															2	construction machine
37	tools	1		1																					2	tools
52	materials			1	1																				2	materials
61	load													1						1					2	load

13	woodworking machine								1						1	woodworking
																machine
23	vehicle				1										1	vehicle
36	human power machine,		1												1	human power
39	other equipments,	1													1	other equipments, facilities
11	engine															engine
12	power transmission mechanism															power transmission mechanism
15	metal manufacturing machine															metal manufacturing machine
16	general machine															general machine
17	mobile silviculture machine															mobile silviculture machine
21	crane															crane
31	pressure vessel															pressure vessel
32	chemical facilities															chemical facilities
33	welding equipment															welding

																						equipment
34	kiln, caldron																					kiln, caldron
35	electric equipment																					electric equipment
51	hazards, harmful substances																					hazards, harmful substances
71	natural environment																					natural environment
91	other causal agent																					other causal agent
92	no causal agent																					no causal agent
99	unclassifiable																					unclassifiable
	total	3	1	3	1	1	1	1	1	2	3	3	1	2	1	1	2	2		1	30	total

Transition of fatal and non-fatal accidents in small causal agents in code no. 020109 other coal mining (1999-2021)

code	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	total	Causal (S) agents
417	passage									1				1										1	3	passage
224	conveyor					1			1			1			1	1	1								6	conveyor
221	truck											1				1				1					3	truck
416	working platform,																		2						2	working platform,
	boot board																									boot board
418	building,							1										1							2	building,
	establishment							•																		establishment

611	load							1			1			2	load
139	other woodworking machines							1						1	other woodworking machines
142	excavating machine					1								1	excavating machine
364	hand tool		1											1	hand tool
379	other tools		1											1	other tools
413	stairs, landing stage						1							1	stairs, landing stage
521	metal material		1											1	metal material
111	engine														engine
121	power transmission mechanism														power transmission mechanism
131	circular sawing														circular sawing
132	band sawing machine														band sawing machine
133	wood planer machine														wood planer machine
134	hollow chisel mortiser, wood borer														hollow chisel mortiser, wood borer
135	chamfering machine, router, woodworking milling machine														chamfering machine, router, woodworking milling machine
136	chain saw														chain saw

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	leveling, transporting or															leveling, transporting or
	loading machine															loading machine
143	foundation work															foundation work
	machine															machine
144	hardening machine															hardening machine
145	demolition machine															demolition machine
146	vehicle for high lift															vehicle for high lift
	work															work
140	other construction															other construction
149	machines															machines
151	lathe															lathe
153	drill press, milling															drill press, milling
152	machine															machine
153	grinding machine,															grinding machine,
133	buffing machine															buffing machine
154	power press															power press
155	forging pressure															forging pressure
133	hammer															hammer
156	shearing machine															shearing machine
	other metal															other metal
159	manufacturing															manufacturing
	machines															machines
161	centrifugal machine															centrifugal machine

162	mixer, grinder	mixer, grinder
163	roll machine (except printingroll machine)	roll machine (except printingroll machine)
164	injection molding machine	injection molding machine
165	food manufacturing machine	food manufacturing machine
166	printing machine	printing machine
167	industrial robot	industrial robot
169	other general power machines	other general power machines
171	felling machine	felling machine
172	mobile logging machine	mobile logging machine
173	skyline yarding machine	skyline yarding machine
179	other mobile silviculture machine	other mobile silviculture machine
211	crane	crane
212	mobile crane	mobile crane
213	derrick crane	derrick crane
214	elevator, lift	elevator, lift
215	cargo lifting appliance	cargo lifting appliance

216	gondola	gondola
	lumberyard equipment, logging cableway	lumberyard equipment, logging cableway
218	simple skyline yarding equipment	simple skyline yarding equipment
219	other powered crane	other powered crane
222	forklift	forklift
223	railway equipment	railway equipment
225	loader	loader
226	straddle carrier	straddle carrier
227	rough terrain hauler	rough terrain hauler
229	other powered conveying machines	other powered conveying machines
231	cars, bus, motorcycle	cars, bus,
232	railway vehicle	railway vehicle
239	other vehicles	other vehicles
311	boiler	boiler
312	pressure vessel	pressure vessel
319	other pressure vessels	other pressure vessels
321	chemical facilities	chemical facilities

331	gas welding	gas welding
331	equipment	equipment
222	arc welding	arc welding
332	equipment	equipment
220	other welding	other welding
339	equipment	equipment
341	kiln, caldron	kiln, caldron
342	industrial dryer	industrial dryer
349	other kiln, caldron	other kiln, caldron
351	transmission	transmission
352	electric power	electric power
332	facilities	facilities
359	other electrical	other electrical
	equipment	equipment
361	human power	human power
501	cranes	cranes
362	human power	human power
502	hauling equipment	hauling equipment
363	human power	human power
	machine	machine
371	ladder	ladder
372	slinging tool	slinging tool
391	other equipment,	other equipment,
391	facilities	facilities
411	scaffolding	scaffolding

412	timbering	ij			i	i							<u> </u>	timbering
		_												
	opening	_												opening
	roof, beam, haze,													roof, beam, haze,
415	crossbeam,													crossbeam,
	principal rafter													principal rafter
	other temporary													other temporary
419	buildings,													buildings,
	establishments													establishments
511	explosive substance													explosive substance
	inflammable													inflammable
512	substance													substance
513	inflammable gas													inflammable gas
514	harmful substance													harmful substance
515	radiation													radiation
519	other hazards,													other hazards,
319	harmful substances													harmful substances
522	lumber, bamboo													lumber, bamboo
F22	stone, sand,													stone, sand,
523	substance													substance
529	other materials													other materials
110	machine/equipment													machine/equipment
612	as load													as load
711	natural ground,													natural ground,
711	rock													rock

712	standing tree																		standing tree
713	water																		water
714	abnormal																		abnormal
/ 14	environment																		environment
	high/cold																		high/cold
715	temperature																		temperature
	environment																		environment
719	other environments																		other environments
911	other causal agent																		other causal agent
921	no causal agent																		no causal agent
999	unclassifiable																		unclassifiable
	total		3	1	1	1	2	3	3	1	2	1	1	2	2		1	24	total

Transition of fatal and non-fatal accidents in type of accidents in code no. 020109 other coal mining (1999-2021)

code	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	total	Type of accidents
02	falling to same level													1										1	2	falling to same
07	caught in/between	1	1			1			1			1		1	1	1		1							9	caught in/between
01	fall from height	1						1		2		2							1	1					8	fall from height
19	reaction to motion/improper motion			2										1					1						4	reaction to motion/improper motion
03	crash				1												1								2	crash
	traffic accident (public																									traffic accident

17	road)						1							1							2	(public road)
04	struck by flying or																	1			∥1	struck by flying
	falling object									1]	1	or falling object
06	crashed by			1				<u> </u>														crashed by
14	explosion	1																			1	explosion
05	collapse																					collapse
08	cut																					cut
09	injury to the sole of																					injury to the sole
	the foot																					of the foot
10	drown																					drown
	contact to high/low-																					contact to
11	temperature																					high/low-
	temperature																					temperature
	contact to harmful																					contact to
12	substance																					harmful
	Substance																					substance
13	electric shock																					electric shock
15	burst																					burst
16	fire																					fire
10	traffic accident																					traffic accident
18	(others)																					(others)
90	others																					others
99	unclassifiable																					unclassifiable
	total	3	1	3	1	1	1	1	1	2	3	3	1	2	1	1	2	2		1	30	total

Transition of fatal and non-fatal accidents in workers ages in code no. 020109 other coal mining (1999-2021)

code	Age	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Age
5	50-59			1			1	1				1		1	1		1	1		1				1	10	50-59
6	60 years old or more	2							1	1		1				1			1						7	60 years old or more
4	40-49	1	1		1					1				1		1									6	40-49
2	20-29			1								1		1					1	1					5	20-29
3	30-39			1		1																			2	30-39
1	19 years old or less																									19 years old or less
	total	3	1	3	1	1	1	1	1	2		3		3	1	2	1	1	2	2				1	30	total

Transition of fatal and non-fatal accidents in workers scales in code no. 020109 other coal mining (1999-2021)

code	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	total	Workers scale
4	50-99											1								1				1	3	50-99
1	9 workers or less	1			1	1		1	1			2		1				1	1						10	9 workers or less
2	10-29		1	3						1				1	1	1	1			1					10	10-29
3	30-49	2					1			1				1		1			1						7	30-49
5	100-299																									100-299
6	300 workers or																									300 workers or
11 1	more																									more
	total	3	1	3	1	1	1	1	1	2		3		3	1	2	1	1	2	2				1	30	total

Transition of fatal and non-fatal accidents in months in code no. 020109 other coal mining (1999-2021)

code	Month	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Month
2	February		1	1											1									1	4	February
7	July								1	1		1						1							4	July
8	August							1						1			1		1						4	August
1	January			2								1													3	January
5	May				1	1														1					3	May
6	June	1					1												1						3	June
4	April											1								1					2	April
11	November									1						1									2	November
12	December	1												1											2	December
3	March													1											1	March
9	September															1									1	September
10	October	1																							1	October
	total	3	1	3	1	1	1	1	1	2		3		3	1	2	1	1	2	2				1	30	total

Transition of fatal and non-fatal accidents in prefectures in code no. 020109 other coal mining (1999-2021)

code	Prefecture	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Prefecture
12	Chiba													1										1	2	Chiba
1	Hokkaido			1				1	1	1		2		1	1	1	1		1						11	Hokkaido
9	Tochigi	2	1	2						1		1				1									8	Tochigi
23	Aichi					1														1					2	Aichi
24	Mie													1											1	Mie
27	Osaka																	1							1	Osaka
39	Kochi																			1					1	Kochi

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40	Fukuoka												1			1	Fukuoka
42	Nagasaki	1														1	Nagasaki
2	Aomori																Aomori
3	lwate																lwate
4	Miyagi																Miyagi
5	Akita																Akita
6	Yamagata																Yamagata
7	Fukushima																Fukushima
8	Ibaraki																Ibaraki
10	Gunma																Gunma
11	Saitama																Saitama
13	Tokyo																Tokyo
14	Kanagawa																Kanagawa
15	Niigata																Niigata
16	Toyama																Toyama
17	Ishikawa																Ishikawa
18	Fukui																Fukui
19	Yamanashi																Yamanash
	Nagano																Nagano
	Gifu																Gifu
	Shizuoka																Shizuoka
	Shiga																Shiga
	Kyoto																Kyoto
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28	Hyogo																			Hyogo
29	Nara																			Nara
30	Wakayama																			Wakayama
31	Tottori																			Tottori
32	Shimane																			Shimane
33	Okayama																			Okayama
34	Hiroshima																			Hiroshima
35	Yamaguchi																			Yamaguchi
36	Tokushima																			Tokushima
37	Kagawa																			Kagawa
38	Ehime																			Ehime
41	Saga																			Saga
43	Kumamoto																			Kumamoto
44	Oita																			Oita
45	Miyazaki																			Miyazaki
46	Kagoshima																			Kagoshima
47	Okinawa																			Okinawa
	total	3	1	3	1	1	1	2	3	3	1	2	1	1	2	2		1	28	total

Data source: https://anzeninfo.mhlw.go.jp/user/anzen/tok/anst00.htm

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