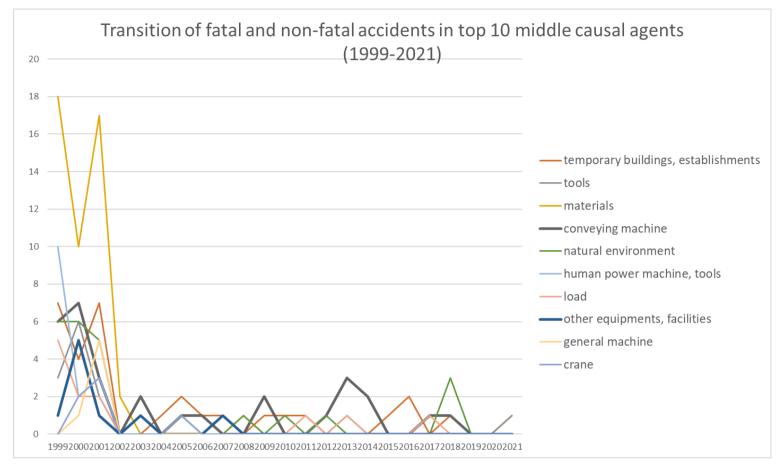
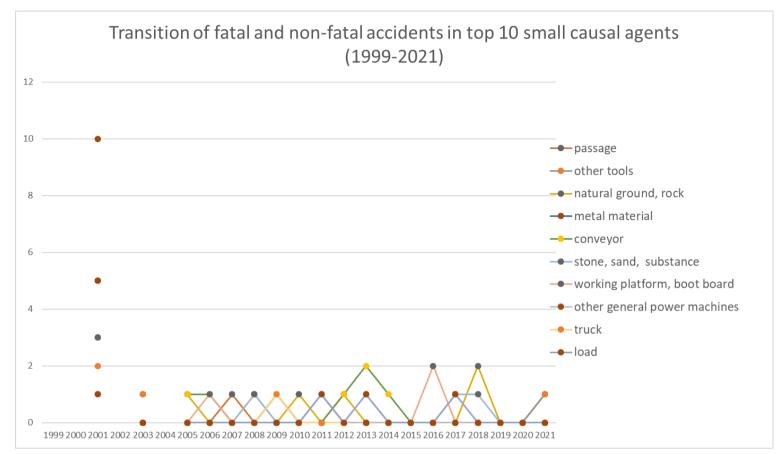


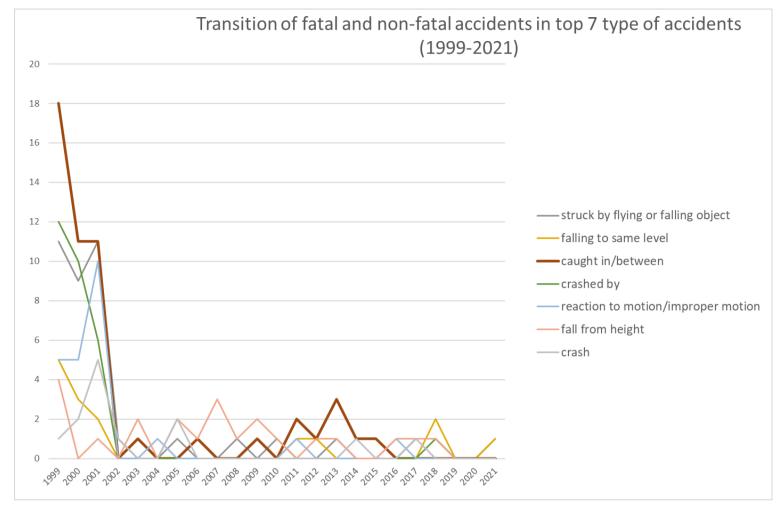
Transition of fatal and non-fatal accidents in large causal agents in code no. 0201 coal mining (1999-2021)



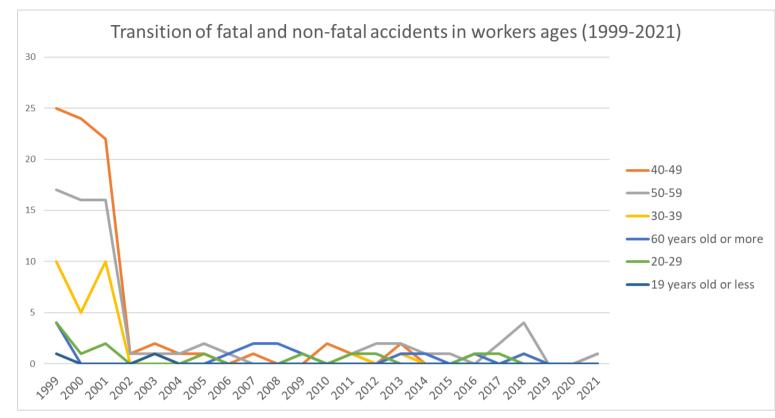
Transition of fatal and non-fatal accidents in middle causal agents in code no. 0201 coal mining (1999-2021)



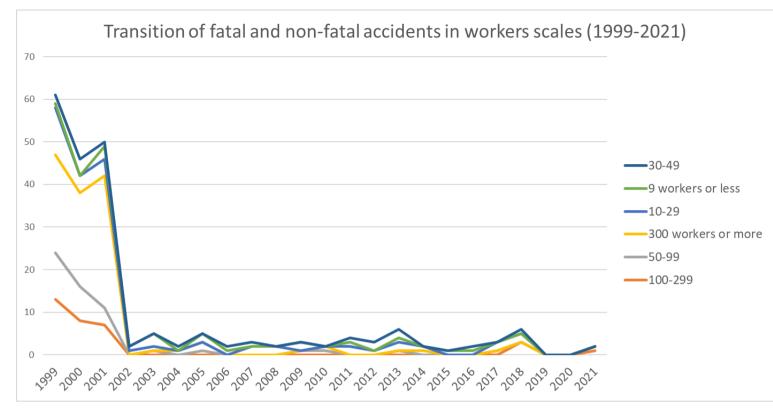
Transition of fatal and non-fatal accidents in small causal agents in code no. 0201 coal mining (1999-2021)



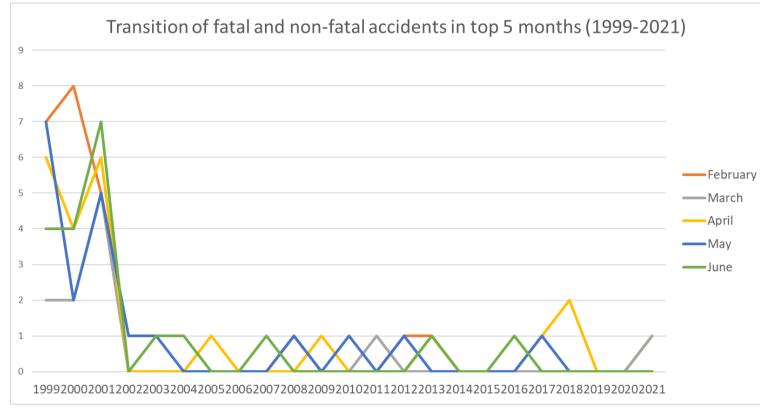
Transition of fatal and non-fatal accidents in type of accidents in code no. 0201 coal mining (1999-2021)



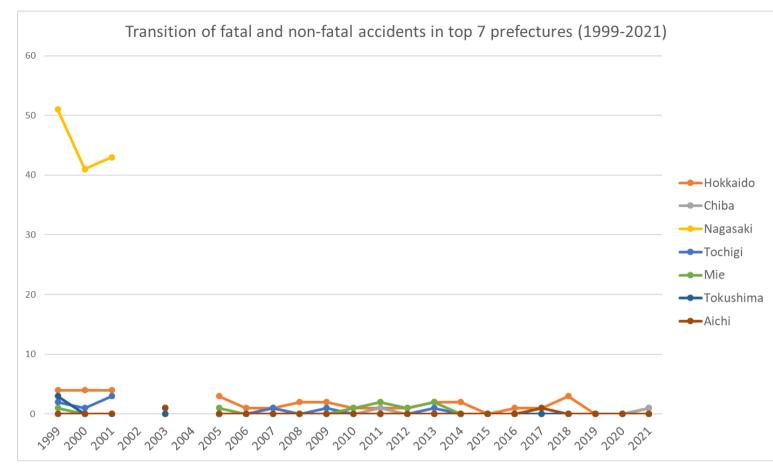
Transition of fatal and non-fatal accidents in workers ages in code no. 0201 coal mining (1999-2021)



Transition of fatal and non-fatal accidents in workers scales in code no. 0201 coal mining (1999-2021)



Transition of fatal and non-fatal accidents in months in code no. 0201 coal mining (1999-2021)



Transition of fatal and non-fatal accidents in prefectures in code no. 0201 coal mining (1999-2021)

Transition of fatal and non-fatal accidents in large causal agents in code no. 0201 coal mining (1999-2021)

code	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) agents
3	other equipment	14	13	6		1				1						1								1	37	other equipment
4	temporary buildings, establishments	7	4	7			1	2	1	1		1	1	1				1	2		1			1	31	temporary buildings, establishments

1	machine	5	1	5		1				1				2		1								16	machine
2	crane, conveying machine	6	9	6		2	1	2	1			2			1	3	2			1	1				crane, conveying machine
5	substance, material	18	10	17	2						1									1	1			50	substance, material
6	load	5	2	2										1		1				1				12	load
7	environment	6	6	5		1		1			1		1		1						3			25	environment
9	others		1	2											1									4	others
	total	61	46	50	2	5	2	5	2	3	2	3	2	4	3	6	2	1	2	3	6		2	212	total

Transition of fatal and non-fatal accidents in middle causal agents in code no. 0201 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) agents
41	temporary buildings, establishments	7	4	7			1	2	1	1		1	1	1				1	2		1			1	31	temporary buildings, establishments
37	tools	3	6	2												1								1	13	tools
52	materials	18	10	17	2						1									1	1				50	materials
22	conveying machine	6	7	3		2		1	1			2			1	3	2			1	1				30	conveying machine
71	natural environment	6	6	5		1		1			1		1		1						3				25	natural environment
36	human power machine, tools	10	2	3																					15	human power machine, tools

61	load	5	2	2						1		1		1			12	load
39	other equipments, facilities	1	5	1	1			1									9	other equipments, facilities
16	general machine		1	5													6	general machine
21	crane		2	3			1										6	crane
14	construction machine	3			1			1									5	construction machine
12	power transmission mechanism	2								1		1					4	power transmission mechanism
92	no causal agent		1	2							1						4	no causal agent
13	woodworking machine									1							1	woodworking machine
23	vehicle					1											1	vehicle
11	engine																	engine
15	metal manufacturing machine																	metal manufacturing machine
17	mobile silviculture machine																	mobile silviculture machine
31	pressure vessel																	pressure vessel

32	chemical facilities																								chemical
52																									facilities
33	welding equipment																								welding
	weiding equipment																								equipment
34	kiln, caldron																								kiln, caldron
35	alastris aquinmont																								electric
55	electric equipment																								equipment
	hazards, harmful																								hazards,
51	substances																								harmful
	substances																								substances
91	other causal agent																								other causal
91																									agent
99	unclassifiable																								unclassifiable
	total	61	46	50	2	5	2	5	2	3	2	3	2	4	3	6	2	1	2	3	6		2	212	total

Transition of fatal and non-fatal accidents in small causal agents in code no. 0201 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			3						1				1										1	6	passage
379	other tools			2																				1	3	other tools
711	natural ground, rock			5		1		1			1		1		1						2				12	natural ground, rock
521	metal material			10																					10	metal material
224	conveyor			1		1		1	1			1			1	2	1								9	conveyor
523	stone, sand, substance			5							1									1	1				8	stone, sand, substance

416	working platform, boot board		3			1							2				6	working platform, boot board
169	other general power machines		5														5	other general power machines
221	truck		1	1				1			1			1			5	truck
611	load		1						1		1			1			4	load
391	other equipment, facilities		1	1			1										3	other equipment, facilities
418	building, establishment				2							1					3	building, establishment
921	no causal agent		2							1							3	no causal agent
121	power transmission mechanism								1		1						2	power transmission mechanism
219	other powered crane		2														2	other powered crane
364	hand tool		2														2	hand tool
413	stairs, landing stage		1					1									2	stairs, landing stage
522	lumber, bamboo		2														2	lumber, bamboo
139	other woodworking machines								1								1	other woodworking machines
142	excavating machine						1										1	excavating machine
149	other construction machines			1													1	other construction machines
211	crane		1														1	crane

212	mobile crane				1										1	mobile crane
222	forklift												1		1	forklift
223	railway equipment		1												1	railway equipment
225	loader										1				1	loader
361	human power cranes		1												1	human power cranes
371	ladder									1					1	ladder
412	timbering												1		1	timbering
415	roof, beam, haze, crossbeam, principal rafter							1							1	roof, beam, haze, crossbeam, principal rafter
612	machine/equipment as load		1												1	machine/equipment as load
719	other environments												1		1	other environments
111	engine															engine
131	circular sawing machine															circular sawing machine
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
	chamfering															chamfering

135	machine, router, woodworking milling machine					machine, router, woodworking milling machine
136	chain saw					chain saw
141	leveling, transporting or loading machine					leveling, transporting or loading machine
143	foundation work machine					foundation work machine
144	hardening machine					hardening machine
145	demolition machine					demolition machine
146	vehicle for high lift work					vehicle for high lift work
151	lathe					lathe
152	drill press, milling machine					drill press, milling machine
153	grinding machine, buffing machine					grinding machine, buffing machine
154	power press					power press
155	forging pressure hammer					forging pressure hammer
156	shearing machine					shearing machine
159	other metal manufacturing machines					other metal manufacturing 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
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
213	derrick crane												derrick crane
214	elevator, lift												elevator, lift
215	cargo lifting appliance												cargo lifting appliance
216	gondola												gondola
217	lumberyard equipment, logging												lumberyard equipment, logging

	cableway													cableway
218	simple skyline yarding equipment													simple skyline yarding equipment
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, motorcycle
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 equipment													gas welding equipment
332	arc welding equipment													arc welding equipment
339	other welding equipment													other welding equipment
341	kiln, caldron													kiln, caldron
342	industrial dryer													industrial dryer

349	other kiln, caldron												other kiln, caldron
351	transmission												transmission
352	electric power facilities												electric power facilities
359	other electrical equipment												other electrical equipment
362	human power hauling equipment												human power hauling equipment
363	human power machine												human power machine
372	slinging tool												slinging tool
411	scaffolding												scaffolding
414	opening												opening
419	other temporary buildings, establishments												other temporary buildings, establishments
511	explosive substance												explosive substance
512	inflammable substance												inflammable substance
513	inflammable gas												inflammable gas
514	harmful substance												harmful substance
515	radiation												radiation
519	other hazards, harmful substances												other hazards, harmful substances
529	other materials												other materials

		<u> </u>					<u> </u>	<u> </u>				<u> </u>	<u> </u>		<u> </u>		<u> </u>	<u> </u>		<u> </u>		
712	standing tree																					standing tree
713	water																					water
	abnormal																					abnormal
714	environment																					environment
	high/cold																					high/cold
715	temperature																					temperature
	environment																					environment
911	other causal agent																					other causal agent
999	unclassifiable																					unclassifiable
	total		50	5	5	2	3	2	3	2	4	3	6	2	1	2	3	6		2	101	total

Transition of fatal and non-fatal accidents in type of accidents in code no. 0201 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
04	struck by flying or falling object	11	9	11	1			1			1		1			1				1	1			1	39	struck by flying or falling object
02	falling to same level	5	3	2										1	1						2			1	15	falling to same level
07	caught in/between	18	11	11		1			1			1		2	1	3	1	1							51	caught in/between
06	crashed by	12	10	6																	1				29	crashed by
19	reaction to motion/improper motion	5	5	10			1							1					1						23	reaction to motion/improper motion
01	fall from height	4		1		2		2	1	3	1	2	1		1	1			1	1	1				22	fall from height

03	crash	1	2	5	1			2									1			1				13	crash
05	collapse	2	2	3																	1			8	collapse
09	injury to the sole of the foot	1	1	1																				3	injury to the sole of the foot
17	traffic accident (public road)					1	1									1								3	traffic accident (public road)
08	cut	1	1																					2	cut
11	contact to high/low- temperature		1																					1	contact to high/low- temperature
14	explosion	1																						1	explosion
15	burst					1																		1	burst
99	unclassifiable		1																					1	unclassifiable
10	drown																								drown
12	contact to harmful substance																								contact to harmful substance
13	electric shock																								electric shock
16	fire																								fire
18	traffic accident (others)																								traffic accident (others)
90	others																								others
	total	61	46	50	2	5	2	5	2	3	2	3	2	4	3	6	2	1	2	3	6		2	212	total

Transition of fatal and non-fatal accidents in workers ages in code no. 0201 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
4	40-49	25	24	22	1	2	1	1		1			2	1		2								1	83	40-49
5	50-59	17	16	16	1	1	1	2	1			1		1	2	2	1	1		2	4			1	70	50-59
3	30-39	10	5	10		1		1						1		1					1				30	30-39
6	60 years old or	Δ							1	2	2	1				1	1		1		1				14	60 years old or
	more																				<u> </u>					more
2	20-29	4	1	2				1				1		1	1				1	1					13	20-29
1	19 years old or less	1				1																			2	19 years old or less
	total	61	46	50	2	5	2	5	2	3	2	3	2	4	3	6	2	1	2	3	6			2	212	total

Transition of fatal and non-fatal accidents in workers scales in code no. 0201 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
5	100-299	13	8	7																	3			1	32	100-299
4	50-99	11	8	4		1		1				1	1			1				1				1	30	50-99
6	300 workers or more	23	22	31			1	2					1				1								81	300 workers or more
2	10-29	11	4	4	1	1				2	2			2	1	2	1			2	2				35	10-29
1	9 workers or less	1		3	1	3		2	1			2		1		1		1	1						17	9 workers or less
3	30-49	2	4	1			1		1	1				1	2	2			1		1				17	30-49
	total	61	46	50	2	5	2	5	2	3	2	3	2	4	3	6	2	1	2	3	6			2	212	total

Transition of fatal and non-fatal accidents in months in code no. 0201 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	7	8	5							1				1	1								1	24	February

3	March	2	2	5										1									1	11	March
4	April	6	4	6				1				1				1				1	2			22	April
5	May	7	2	5	1	1					1		1		1					1				20	Мау
6	June	4	4	7		1	1			1						1			1					20	June
10	October	7	4	4				1					1			1					1			19	October
11	November	5	5	6						1						1					1			19	November
7	July	6	4	1	1	2			1	1		1						1						18	July
1	January	5	5	4				1				1												16	January
8	August	4	3	2			1	1						1	1		1		1		1			16	August
9	September	5	1	5		1			1					1		1	1							16	September
12	December	3	4					1						1						1	1			11	December
	total	61	46	50	2	5	2	5	2	3	2	3	2	4	3	6	2	1	2	3	6		2	212	total

Transition of fatal and non-fatal accidents in prefectures in code no. 0201 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
1	Hokkaido	4	4	4		1		3	1	1	2	2	1	1	1	2	2		1	1	3			1	35	Hokkaido
12	Chiba					1								1										1	3	Chiba
42	Nagasaki	51	41	43						1															136	Nagasaki
9	Tochigi	2	1	3		1				1		1				1									10	Tochigi
24	Mie	1						1					1	2	1	2									8	Mie
36	Tokushima	3																							3	Tokushima
23	Aichi					1														1					2	Aichi
27	Osaka																	1			1				2	Osaka

40	Fukuoka				1							1				2	Fukuoka
3	lwate									1						1	lwate
10	Gunma													1		 1	Gunma
13	Tokyo													1		 1	Tokyo
28	Нуодо								1							 1	Нуодо
37	Kagawa			1												 1	Kagawa
39	Kochi												1			 1	Kochi
44	Oita					1										 1	Oita
2	Aomori																Aomori
4	Miyagi																Miyagi
5	Akita																Akita
6	Yamagata																Yamagata
7	Fukushima																Fukushima
8	Ibaraki																Ibaraki
11	Saitama																Saitama
14	Kanagawa																Kanagawa
15	Niigata																Niigata
16	Toyama																Toyama
17	Ishikawa																Ishikawa
18	Fukui																Fukui
19	Yamanashi																Yamanashi
20	Nagano																Nagano
21	Gifu																Gifu

22	Shizuoka																						Shizuoka
25	Shiga																						Shiga
26	Kyoto																						Kyoto
29	Nara																						Nara
30	Wakayama																						Wakayama
31	Tottori																						Tottori
32	Shimane																						Shimane
33	Okayama																						Okayama
34	Hiroshima																						Hiroshima
35	Yamaguchi																						Yamaguchi
38	Ehime																						Ehime
41	Saga																						Saga
43	Kumamoto																						Kumamoto
45	Miyazaki																						Miyazaki
46	Kagoshima																						Kagoshima
47	Okinawa																						Okinawa
	total	61	46	50	5	5	2	3	2	3	2	4	3	6	2	1	2	3	6		2	208	total

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

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