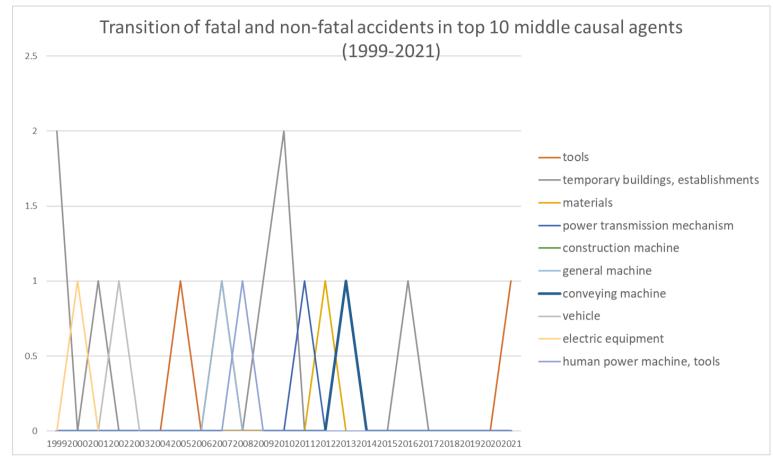
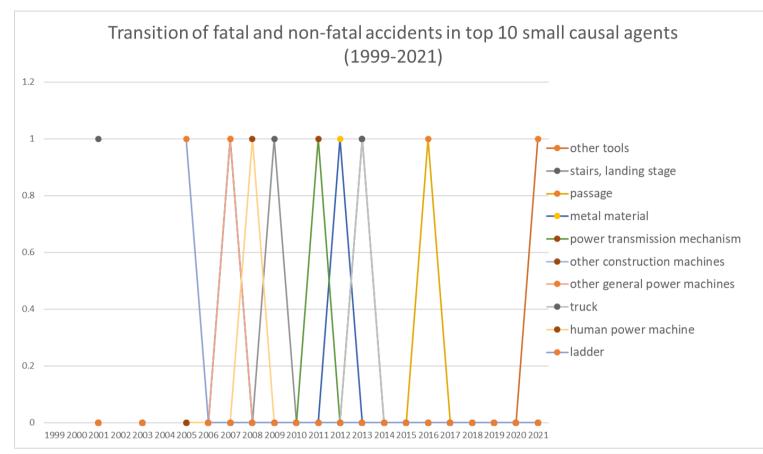


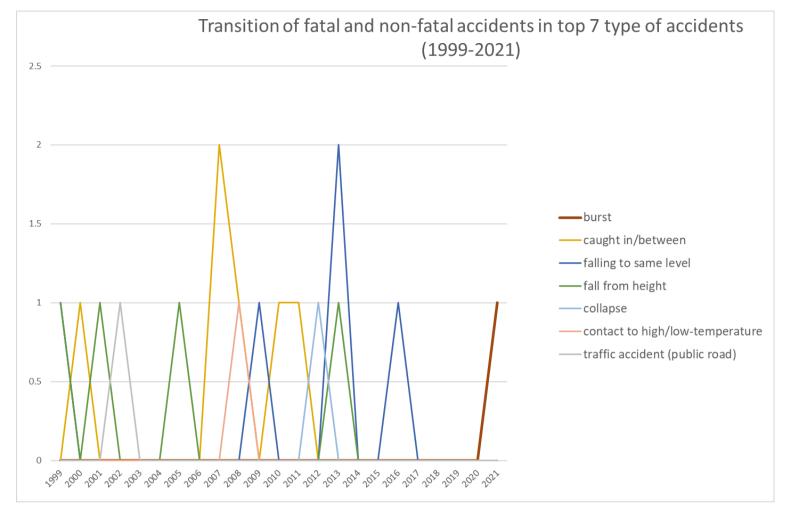
Transition of fatal and non-fatal accidents in large causal agents in code no. 020302 petroleum mining (1999-2021)



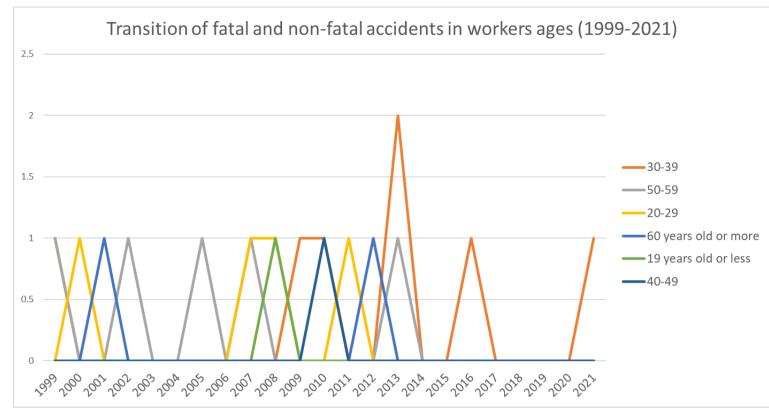
Transition of fatal and non-fatal accidents in middle causal agents in code no. 020302 petroleum mining (1999-2021)



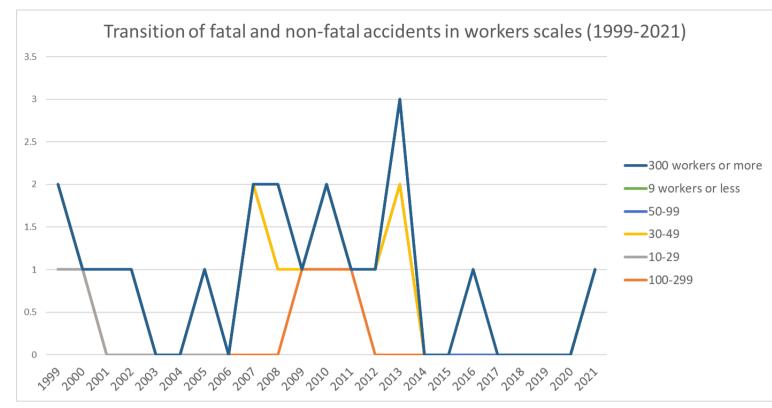
Transition of fatal and non-fatal accidents in small causal agents in code no. 020302 petroleum mining (1999-2021)



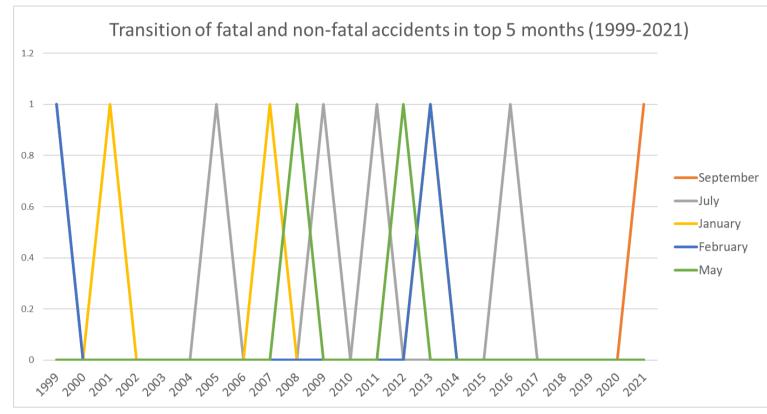
Transition of fatal and non-fatal accidents in type of accidents in code no. 020302 petroleum mining (1999-2021)



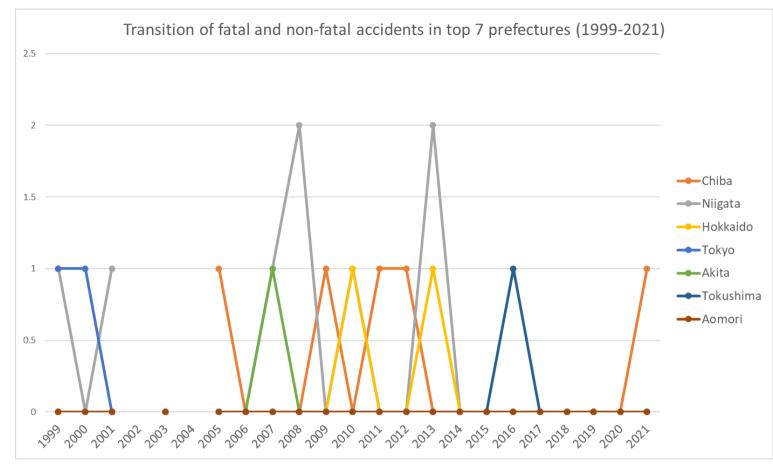
Transition of fatal and non-fatal accidents in workers ages in code no. 020302 petroleum mining (1999-2021)



Transition of fatal and non-fatal accidents in workers scales in code no. 020302 petroleum mining (1999-2021)



Transition of fatal and non-fatal accidents in months in code no. 020302 petroleum mining (1999-2021)



Transition of fatal and non-fatal accidents in prefectures in code no. 020302 petroleum mining (1999-2021)

Transition of fatal and non-fatal accidents in large causal agents in code no. 020302 petroleum 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	
																										agents
	- 4h							1			1													1		other
3	other equipment		1					1			1													1	4	equipment
1	machine									1				1		1									3	machine
																										crane,
2	crane, conveying				1											1									2	conveying

	machine																				machine
4	temporary buildings, establishments	2		1						1	2			1		1				8	temporary buildings, establishments
5	substance, material							1	1				1							3	substance, material
6	load																				load
7	environment																				environment
9	others																				others
	total	2	1	1	1		1	2	2	1	2	1	1	3		1			1	20	total

Transition of fatal and non-fatal accidents in middle causal agents in code no. 020302 petroleum 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	total	Causal (M) agents
37	tools							1																1	2	tools
41	temporary buildings, establishments	2		1								1	2			1			1						8	temporary buildings, establishments
52	materials									1					1										2	materials
12	power transmission mechanism													1											1	power transmission mechanism
14	construction machine															1									1	construction machine

16	general machine					1									1	general machine
22	conveying machine									1					1	conveying machine
23	vehicle		1												1	vehicle
35	electric equipment	1													1	electric equipment
36	human power machine, tools						1								1	human power machine, tools
51	hazards, harmful substances						1								1	hazards, harmful substances
11	engine															engine
13	woodworking machine															woodworking machine
15	metal manufacturing machine															metal manufacturing 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
39	other equipments, facilities																				other equipments, facilities
61	load																				load
71	natural environment																				natural environment
91	other causal agent																				other causal agent
92	no causal agent																				no causal agent
99	unclassifiable																				unclassifiable
	total	2	1	1	1		1	2	2	1	2	1	1	3		1			1	20	total

Transition of fatal and non-fatal accidents in small causal agents in code no. 020302 petroleum 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
379	other tools																							1	1	other tools
413	stairs, landing stage			1								1													2	stairs, landing stage
417	passage															1			1						2	passage
521	metal material									1					1										2	metal material
121	power transmission mechanism													1											1	power transmission mechanism
	other construction																									other construction

149	machines								1	1					1	machines
169	other general power machines					1									1	other general power machines
221	truck								1	1					1	truck
363	human power machine						1								1	human power machine
371	ladder				1										1	ladder
418	building, establishment							1							1	building, establishment
419	other temporary buildings, establishments							1							1	other temporary buildings, establishments
519	other hazards, harmful substances						1								1	other hazards, harmful substances
111	engine															engine
131	circular sawing machine															circular sawing machine
132	band sawing machine															band sawing machine
133	wood planer machine															wood planer machine
	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
139	other woodworking machines												other woodworking machines
141	leveling, transporting or loading machine												leveling, transporting or loading machine
142	excavating machine												excavating 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
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
217	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
224	conveyor													conveyor
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, 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
361	human power cranes												human power cranes
362	human power hauling equipment												human power hauling equipment
364	hand tool												hand tool
372	slinging tool												slinging tool
	other equipment,												other equipment,

391	facilities												facilities
411	scaffolding												scaffolding
412	timbering												timbering
414	opening												opening
	roof, beam, haze, crossbeam, principal rafter												roof, beam, haze, crossbeam, principal rafter
416	working platform, boot board												working platform, boot board
511	explosive substance												explosive substance
512	inflammable substance												inflammable substance
513	inflammable gas												inflammable gas
514	harmful substance												harmful substance
515	radiation												radiation
522	lumber, bamboo												lumber, bamboo
523	stone, sand, substance												stone, sand, substance
529	other materials												other materials
611	load												load
612	machine/equipment as load												machine/equipment as load
711	natural ground, rock												natural ground, 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	1		1	2	2	1	2	1	1	3		1			1	16	total

Transition of fatal and non-fatal accidents in type of accidents in code no. 020302 petroleum 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
15	burst																							1	1	burst
07	caught in/between		1							2	1		1	1											6	caught in/between
02	falling to same level	1										1				2			1						5	falling to same level
01	fall from height	1		1				1								1									4	fall from height
05	collapse														1										1	collapse
11	contact to high/low- temperature										1															contact to high/low- temperature

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17	traffic accident (public					1															1	traffic accident
	road)																					(public road)
	reaction to																					reaction to
19	motion/improper											1									1	motion/improper
	motion																					motion
03	crash																					crash
	struck by flying or																					struck by flying
04	falling object																					or falling object
06	crashed by																					crashed by
08	cut																					cut
	injury to the sole of																					injury to the sole
09	the foot																					of the foot
10	drown																					drown
	contact to harmful																					contact to
12	substance																					harmful
	substance																					substance
13	electric shock																					electric shock
14	explosion																					explosion
16	fire																					fire
	traffic accident																					traffic accident
18	(others)																					(others)
90	others																					others
99	unclassifiable																					unclassifiable
	total	2	1	-	1	1		1	2	2	1	2	1	1	3		1			1	20	total

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
3	30-39	1										1	1			2			1					1	7	30-39
5	50-59	1			1			1		1						1									5	50-59
2	20-29		1							1	1			1											4	20-29
6	60 years old or			1											1										2	60 years old or
	more																									more
1	19 years old or less										1														1	19 years old or less
4	40-49												1												1	40-49
	total	2	1	1	1			1		2	2	1	2	1	1	3			1					1	20	total

Transition of fatal and non-fatal accidents in workers ages in code no. 020302 petroleum mining (1999-2021)

Transition of fatal and non-fatal accidents in workers scales in code no. 020302 petroleum 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	1	1									1	1	1										1	6	100-299
2	10-29									2	1		1		1	2									7	10-29
3	30-49	1		1	1			1																	4	30-49
4	50-99										1					1									2	50-99
1	9 workers or less																		1						1	9 workers or less
6	300 workers or																									300 workers or
	more																									more
	total	2	1	1	1			1		2	2	1	2	1	1	3			1					1	20	total

Transition of fatal and non-fatal accidents in months in code no. 020302 petroleum 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
9	September																							1	1	September
7	July	1						1				1		1					1						5	July
1	January			1						1						1									3	January
2	February	1														1									2	February
5	May										1				1										2	May
6	June		1										1												2	June
11	November										1					1									2	November
12	December				1					1															2	December
4	April												1												1	April
3	March																									March
8	August																									August
10	October																									October
	total	2	1	1	1			1		2	2	1	2	1	1	3			1					1	20	total

Transition of fatal and non-fatal accidents in prefectures in code no. 020302 petroleum 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		1	1									1	5	Chiba
15	Niigata	1		1						1	2		1			2									8	Niigata
1	Hokkaido												1			1									2	Hokkaido
13	Tokyo	1	1																						2	Tokyo
5	Akita									1															1	Akita
36	Tokushima																		1						1	Tokushima
2	Aomori																									Aomori

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3	lwate												lwate
4	Miyagi												Miyagi
6	Yamagata												Yamagata
7	Fukushima												Fukushima
8	Ibaraki												Ibaraki
9	Tochigi												Tochigi
10	Gunma												Gunma
11	Saitama												Saitama
14	Kanagawa												Kanagawa
16	Toyama												Toyama
17	Ishikawa												Ishikawa
18	Fukui												Fukui
19	Yamanashi												Yamanashi
20	Nagano												Nagano
21	Gifu												Gifu
22	Shizuoka												Shizuoka
23	Aichi												Aichi
24	Mie												Mie
25	Shiga												Shiga
26	Kyoto												Kyoto
27	Osaka												Osaka
28	Hyogo												Нуодо
29	Nara												Nara

30	Wakayama																			Wakayama
31	Tottori																			Tottori
32	Shimane																			Shimane
33	Okayama																			Okayama
34	Hiroshima																			Hiroshima
35	Yamaguchi																			Yamaguchi
37	Kagawa																			Kagawa
38	Ehime																			Ehime
39	Kochi																			Kochi
40	Fukuoka																			Fukuoka
41	Saga																			Saga
42	Nagasaki																			Nagasaki
43	Kumamoto																			Kumamoto
44	Oita																			Oita
45	Miyazaki																			Miyazaki
46	Kagoshima																			Kagoshima
47	Okinawa																			Okinawa
	total	2	1	1		1	2	2	1	2	1	1	3		1			1	19	total

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

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