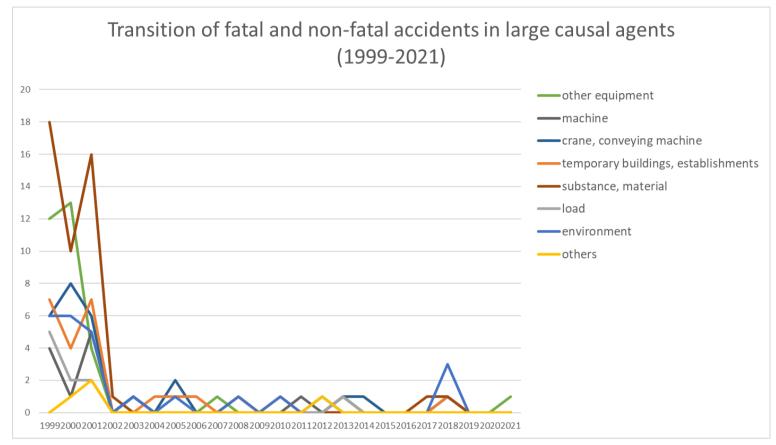
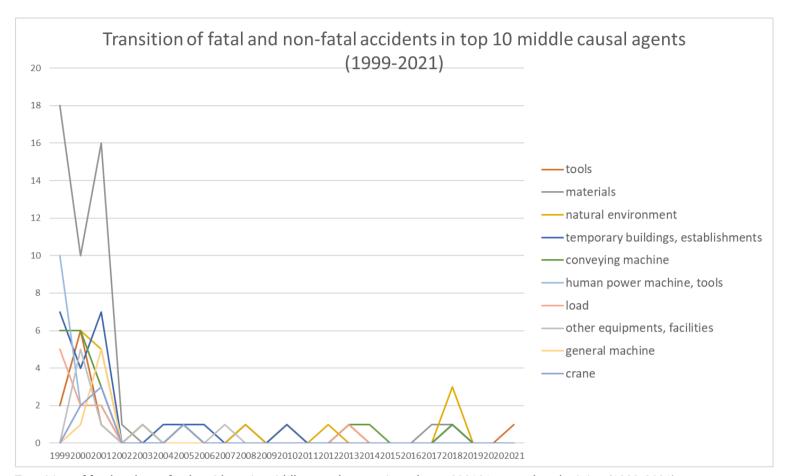
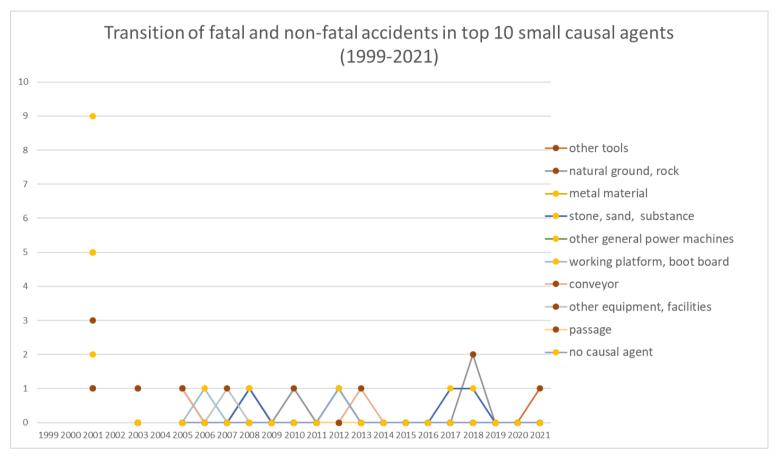
Transition of fatal and non-fatal accidents in each element like as causal agents, type of accidents, etc. in code no. 020101 general coal mining (1999-2021)



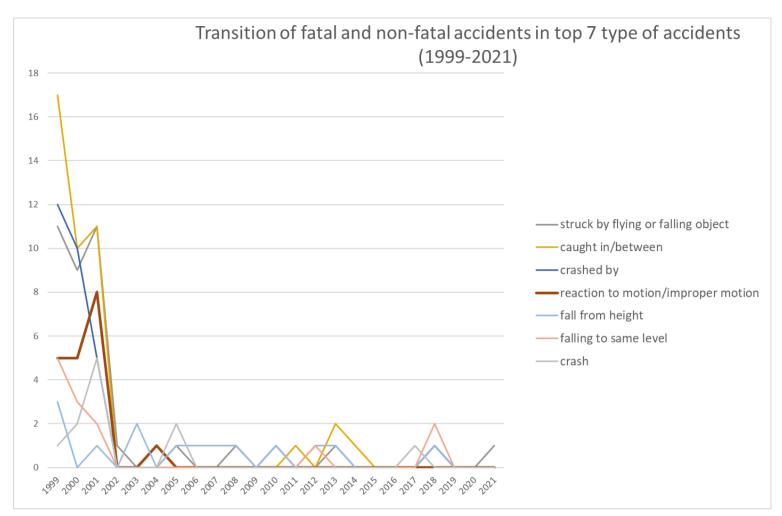
Transition of fatal and non-fatal accidents in large causal agents in code no. 020101 general coal mining (1999-2021)



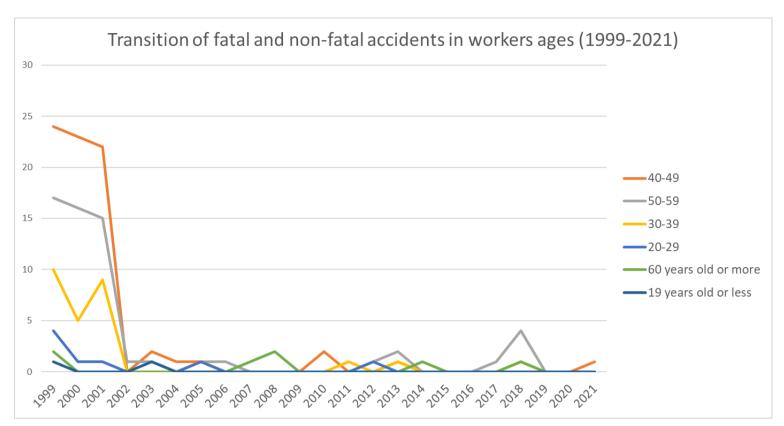
Transition of fatal and non-fatal accidents in middle causal agents in code no. 020101 general coal mining (1999-2021)



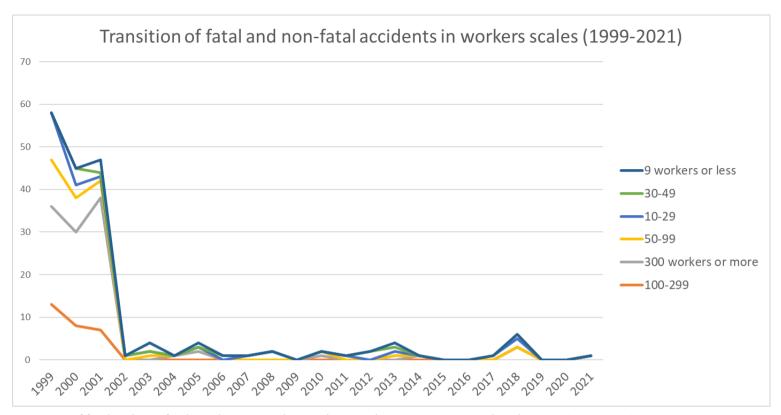
Transition of fatal and non-fatal accidents in small causal agents in code no. 020101 general coal mining (1999-2021)



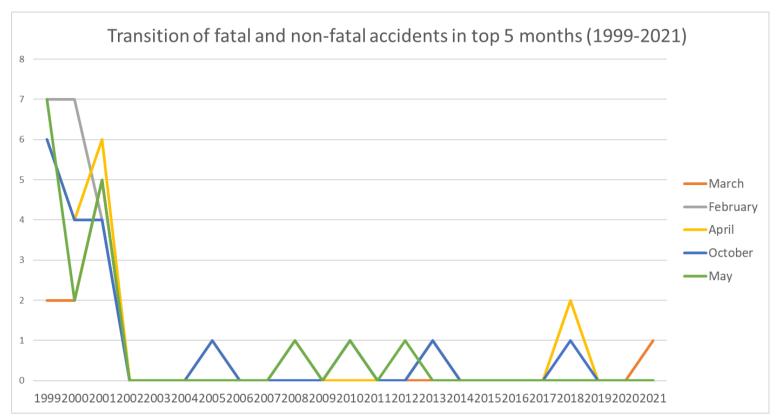
Transition of fatal and non-fatal accidents in type of accidents in code no. 020101 general coal mining (1999-2021)



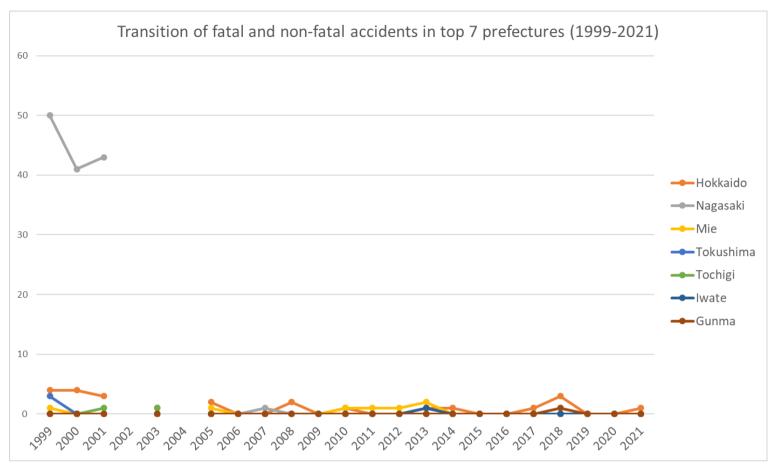
Transition of fatal and non-fatal accidents in workers ages in code no. 020101 general coal mining (1999-2021)



Transition of fatal and non-fatal accidents in workers scales in code no. 020101 general coal mining (1999-2021)



Transition of fatal and non-fatal accidents in months in code no. 020101 general coal mining (1999-2021)



Transition of fatal and non-fatal accidents in prefectures in code no. 020101 general coal mining (1999-2021)

Transition of fatal and non-fatal accidents in large causal agents in code no. 020101 general 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)
3	other equipment	12	13	4		1				1						1								1	33	other equipment
1	machine	4	1	5		1								1		1									13	machine
2	crane, conveying	6	8	6		1		2								1	1				1					crane, conveying

	machine																						machine
4	temporary buildings, establishments	7	4	7			1	1	1			1							1			23	temporary buildings, establishments
5	substance, material	18	10	16	1						1							1	1			48	substance, material
6	load	5	2	2											1							10	load
7	environment	6	6	5		1		1			1	1		1					3			25	environment
9	others		1	2										1								4	others
	total	58	45	47	1	4	1	4	1	1	2	2	1	2	4	1		1	6		1	182	total

Transition of fatal and non-fatal accidents in middle causal agents in code no. 020101 general 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	total	Causal (M)
37	tools	2	6	1												1								1	11	tools
52	materials	18	10	16	1						1									1	1				48	materials
71	natural environment	6	6	5		1		1			1		1		1						3				25	natural environment
41	temporary buildings, establishments	7	4	7			1	1	1				1								1				23	temporary buildings, establishments
22	conveying machine	6	6	3		1		1								1	1				1				20	conveying machine
36	human power machine,	10	2	2																					14	human power

	tools															machine, tool
61	load	5	2	2							1				10	load
39	other equipments,		5	1	1		1								8	other equipments, facilities
16	general machine		1	5											6	general machine
21	crane		2	3		1									6	crane
12	power transmission mechanism	2							1		1				4	power transmission mechanism
92	no causal agent		1	2						1					4	no causal agent
14	construction machine	2			1										3	construction machine
11	engine															engine
13	woodworking machine															woodworking machine
15	metal manufacturing machine															metal manufacturin machine
17	mobile silviculture machine															mobile silviculture machine
23	vehicle															vehicle

31	pressure vessel																						pressure vessel
32	chemical facilities																						chemical
32	chemical facilities																						facilities
22	alding a guine ant																						welding
33	welding equipment																						equipment
34	kiln, caldron																						kiln, caldron
25	alastuis assuinmant																						electric
35	electric equipment																						equipment
	bazarde barmful																						hazards,
51	hazards, harmful substances																						harmful
	Substances																						substances
91	other causal agent																						other causal
91	other causar agent																						agent
99	unclassifiable																						unclassifiable
	total	58	45	47	1	4	1	4	1	1	2	2	1	2	4	1		1	6		1	182	total

Transition of fatal and non-fatal accidents in small causal agents in code no. 020101 general 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
379	other tools			1																				1	2	other tools
711	natural ground,			5		1		1			1		1		1						2				12	natural ground,
11 1	rock																								12	rock
521	metal material			9																					9	metal material
523	stone, sand,			_							1									1	1				o	stone, sand,
II I	substance																			1	1				0	substance
	other general																									other general

169	power machines	5													5	power machines
416	working platform,	3			1										4	working platform,
224	conveyor	1		1						1					3	conveyor
391	other equipment,	1	1			1									3	other equipment,
417	passage	3													3	passage
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
221	truck	1	1												2	truck
522	lumber, bamboo	2													2	lumber, bamboo
611	load	1								1					2	load
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

364	hand tool		1												1	hand tool
371	ladder									1					1	ladder
412	timbering												1		1	timbering
413	stairs, landing stage		1												1	stairs, landing stage
	roof, beam, haze,															roof, beam, haze,
415	crossbeam,							1							1	crossbeam,
	principal rafter															principal rafter
418	building,				1										1	building,
	establishment														ľ	establishment
612	machine/equipment		1												1	machine/equipment
012	as load		•												ľ	as load
719	other environments												1		1	other environments
111	engine															engine
131	circular sawing															circular sawing
	machine															machine
132	band sawing															band sawing
	machine															machine
133	wood planer															wood planer
	machine															machine
	hollow chisel															hollow chisel
134	mortiser, wood															mortiser, wood
	borer															borer
	chamfering															chamfering
135	machine, router,															machine, router,
	woodworking															woodworking

	milling machine	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	other metal manufacturing

	machines													machines
161	centrifugal machine													centrifugal machine
162	mixer, grinder													mixer, grinder
	roll machine (except													roll machine (except
163	printingroll													printingroll
	machine)													machine)
164	injection molding													injection molding
	machine													machine
165	food manufacturing													food manufacturing
	machine													machine
166	printing machine													printing machine
167	industrial robot													industrial robot
171	felling machine													felling machine
172	mobile logging													mobile logging
1/2	machine													machine
173	skyline yarding													skyline yarding
1/3	machine													machine
179	other mobile													other mobile
	silviculture machine													silviculture machine
213	derrick crane													derrick crane
214	elevator, lift													elevator, lift
215	cargo lifting													cargo lifting
215	appliance													appliance
216	gondola													gondola

	lumberyard	lumberyard
217	equipment, logging	equipment, logging
	cableway	cableway
210	simple skyline	simple skyline
218	yarding equipment	yarding equipment
226	straddle carrier	straddle carrier
227	rough terrain hauler	rough terrain hauler
229	other powered Only 100 Only 10	other powered
229	conveying machines	conveying machines
231	cars, bus,	cars, bus,
231	motorcycle	motorcycle
232	railway vehicle	railway vehicle
239	other vehicles	other vehicles
311	boiler	boiler
312	pressure vessel	pressure vessel
319	other pressure	other pressure
319	vessels	vessels
321	chemical facilities	chemical facilities
331	gas welding	gas welding
331	equipment	equipment
332	arc welding	arc welding
332	equipment	equipment
339	other welding	other welding
337	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
	facilities	facilities
359	other electrical equipment	other electrical equipment
	human power	human power
362	hauling equipment	hauling equipment
363	human power	human power
	machine	machine
372	slinging tool	slinging tool
411	scaffolding	scaffolding
414	opening Openin Opening Opening Opening Opening Opening Opening Opening Opening	opening
	other temporary	other temporary
419	buildings,	buildings,
	establishments	establishments
511	explosive substance	explosive substance
512	inflammable	inflammable
312	substance	substance
513	inflammable gas	inflammable gas
514	harmful substance	harmful substance
515	radiation	radiation
519	other hazards,	other hazards,

	harmful substances																			harmful substances
529	other materials																			other materials
712	standing tree																			standing tree
713	water																			water
714	abnormal																			abnormal
/14	environment																			environment
	high/cold																			high/cold
715	temperature																			temperature
	environment																			environment
911	other causal agent																			other causal agent
999	unclassifiable																			unclassifiable
	total		47	4	4	1	1	2	2	1	2	4	1		1	6		1	77	total

Transition of fatal and non-fatal accidents in type of accidents in code no. 020101 general 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	38	struck by flying or falling object
	lalling object																									or railing object
07	caught in/between	17	10	11										1		2	1								42	caught
07	caught m/between													<u> </u>			'								TZ	in/between
06	crashed by	12	10	5																	1				28	crashed by
	reaction to																									reaction to
19	motion/improper	5	5	8			1																		19	motion/improper
	motion																									motion
01	fall from height	3		1		2		1	1	1	1		1		1	1					1				14	fall from height
																										falling to same

02	falling to same level	5	3	2										1					2			13	level
03	crash	1	2	5				2										1				11	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
08	cut	1	1																			2	cut
11	contact to high/low- temperature		1																			1	contact to high/low- temperature
15	burst					1																1	burst
17	traffic accident (public road)					1																1	traffic accident (public road)
99	unclassifiable		1																			1	unclassifiable
10	drown																						drown
12	contact to harmful substance																						contact to harmful substance
13	electric shock																						electric shock
14	explosion																						explosion
16	fire																						fire
18	traffic accident (others)																						traffic accident (others)
90	others																						others
	total	58	45	47	1	4	1	4	1	1	2	2	1	2	4	1		1	6		1	182	total

Transition of fatal and non-fatal accidents in workers ages in code no. 020101 general 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	24	23	22		2	1	1					2			1								1	77	40-49
5	50-59	17	16	15	1	1		1	1						1	2				1	4				60	50-59
3	30-39	10	5	9				1						1		1					1				28	30-39
2	20-29	4	1	1				1							1										8	20-29
6	60 years old or more	2								1	2						1				1				7	60 years old or more
1	19 years old or less	1				1																			2	19 years old or less
	total	58	45	47	1	4	1	4	1	1	2		2	1	2	4	1			1	6			1	182	total

Transition of fatal and non-fatal accidents in workers scales in code no. 020101 general 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
6	300 workers or more	23	22	31			1	2					1				1								81	300 workers or more
4	50-99	11	8	4		1		1					1			1									27	50-99
2	10-29	11	3	1	1	1				1	2			1		1				1	2				25	10-29
3	30-49		4	1					1						2	1					1				10	30-49
1	9 workers or less			3		2		1								1			-						7	9 workers or less
	total	58	45	47	1	4	1	4	1	1	2		2	1	2	4	1			1	6			1	182	total

Transition of fatal and non-fatal accidents in months in code no. 020101 general 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
3	March	2	2	5																				1	10	March
2	February	7	7	4							1					1									20	February
4	April	6	4	6				1								1					2				20	April
10	October	6	4	4				1					1			1					1				18	October
5	May	7	2	5							1		1		1										17	May
6	June	3	4	7		1				1						1									17	June
11	November	5	5	6																	1				17	November
9	September	5	1	5		1			1					1			1								15	September
7	July	6	4	1	1	2																			14	July
1	January	5	5	2				1																	13	January
8	August	4	3	2			1								1						1				12	August
12	December	2	4					1												1	1				9	December
	total	58	45	47	1	4	1	4	1	1	2		2	1	2	4	1			1	6			1	182	total

Transition of fatal and non-fatal accidents in prefectures in code no. 020101 general 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	3		1		2			2		1			1	1			1	3			1	24	Hokkaido
42	Nagasaki	50	41	43						1															135	Nagasaki
24	Mie	1						1					1	1	1	2									7	Mie
36	Tokushima	3																							3	Tokushima
9	Tochigi			1		1																			2	Tochigi
3	lwate															1									1	lwate
10	Gunma																				1				1	Gunma

			لللللا	لــــــــــــــــــــــــــــــــــــــ			ـــــــا	 	 		 			 اللللا		
12	Chiba		1												1	Chiba
13	Tokyo												1		1	Tokyo
27	Osaka												1		1	Osaka
28	Hyogo									1					1	Hyogo
37	Kagawa		1												1	Kagawa
40	Fukuoka				1										1	Fukuoka
44	Oita					1									1	Oita
2	Aomori															Aomori
4	Miyagi															Miyagi
5	Akita															Akita
6	Yamagata															Yamagata
7	Fukushima															Fukushima
8	lbaraki															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

23	Aichi																				Aichi
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
39	Kochi																				Kochi
41	Saga																				Saga
43	Kumamoto																				Kumamoto
45	Miyazaki																				Miyazaki
46	Kagoshima																				Kagoshima
47	Okinawa																				Okinawa
	total	58	45	47	4	4	1	1	2	2	1	2	4	1		1	6		1	180	total

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

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