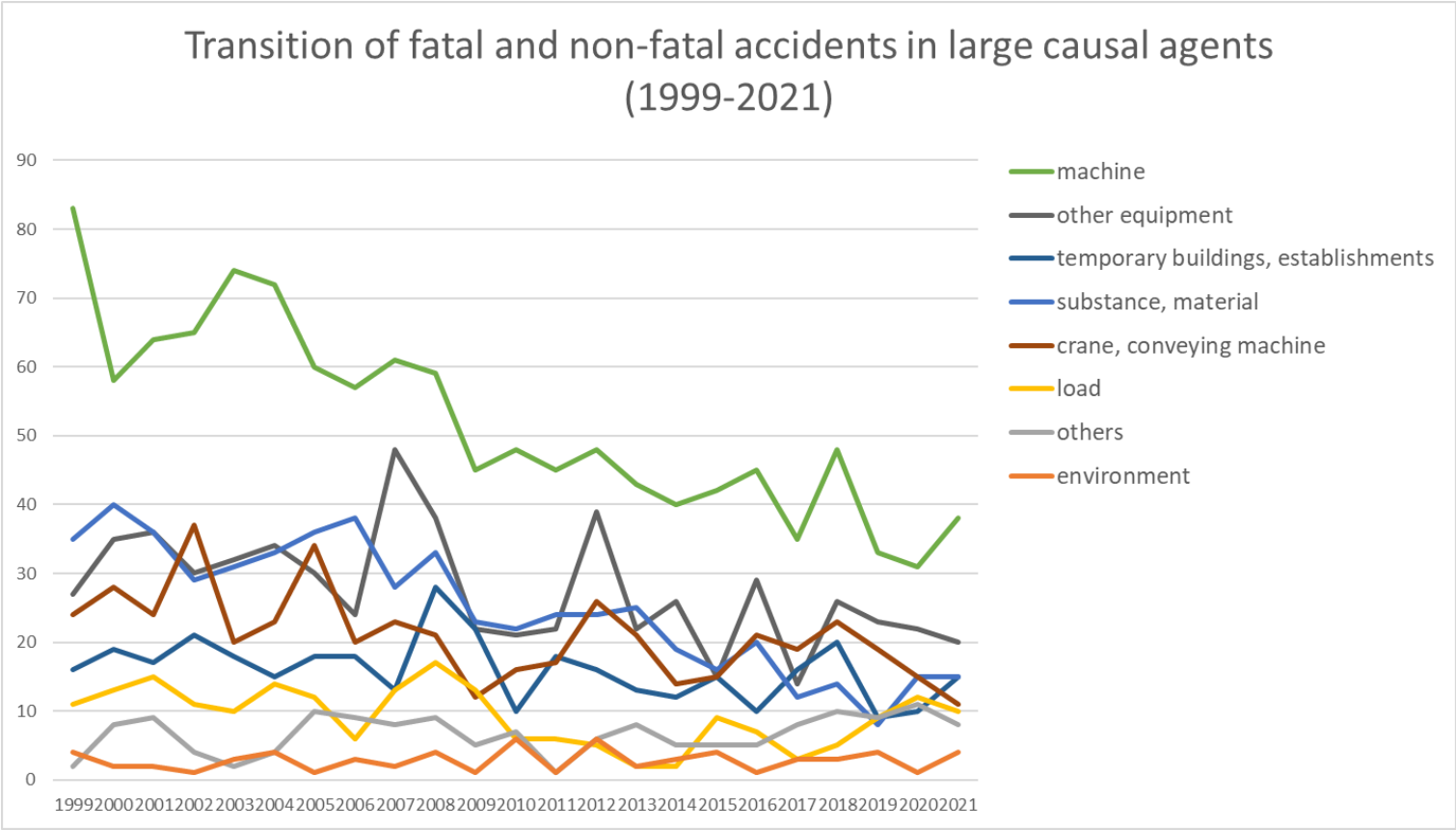
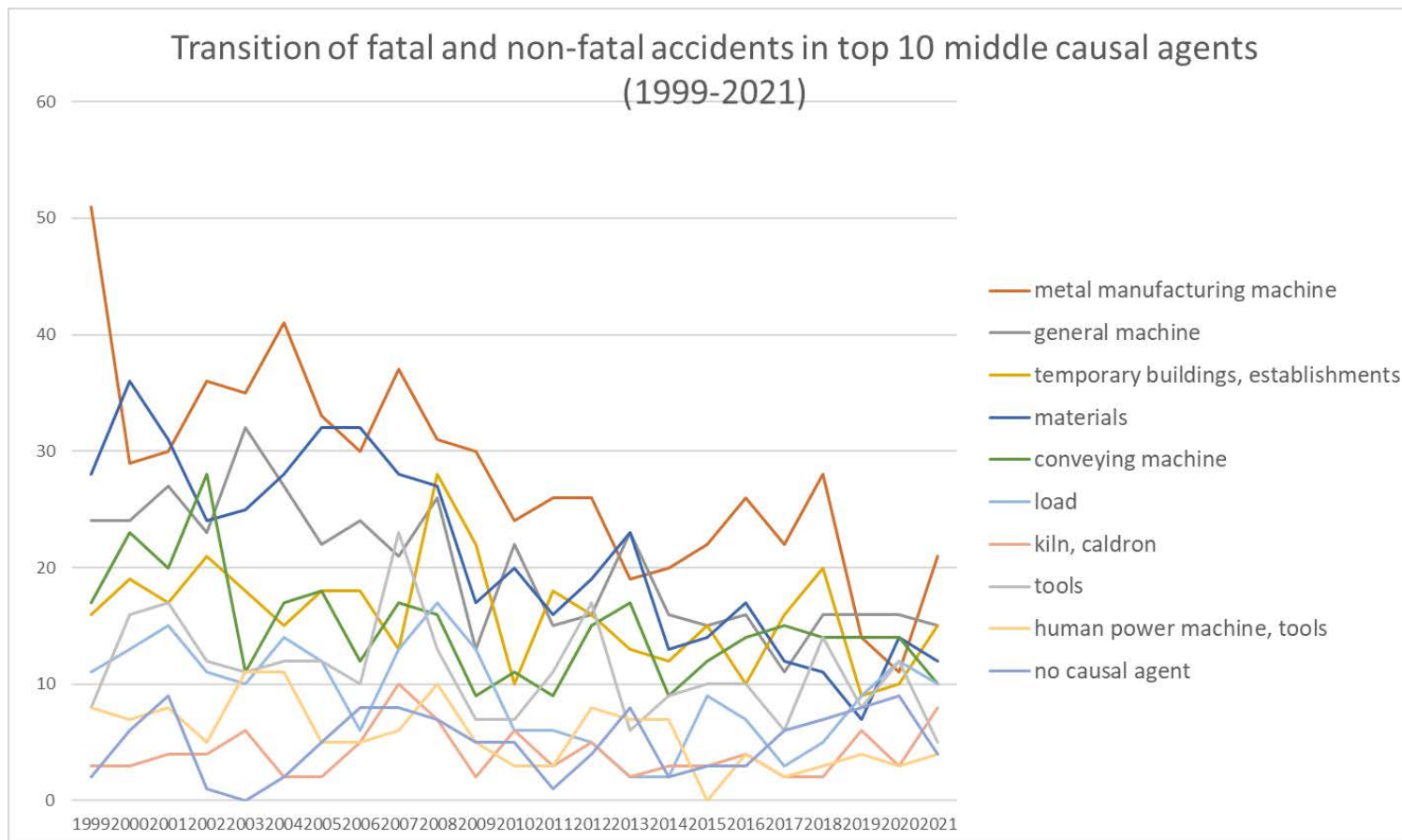


Transition of fatal and non-fatal accidents in each element like as causal agents, type of accidents, etc. in code no. 011109 other nonferrous metal products (1999-2021)

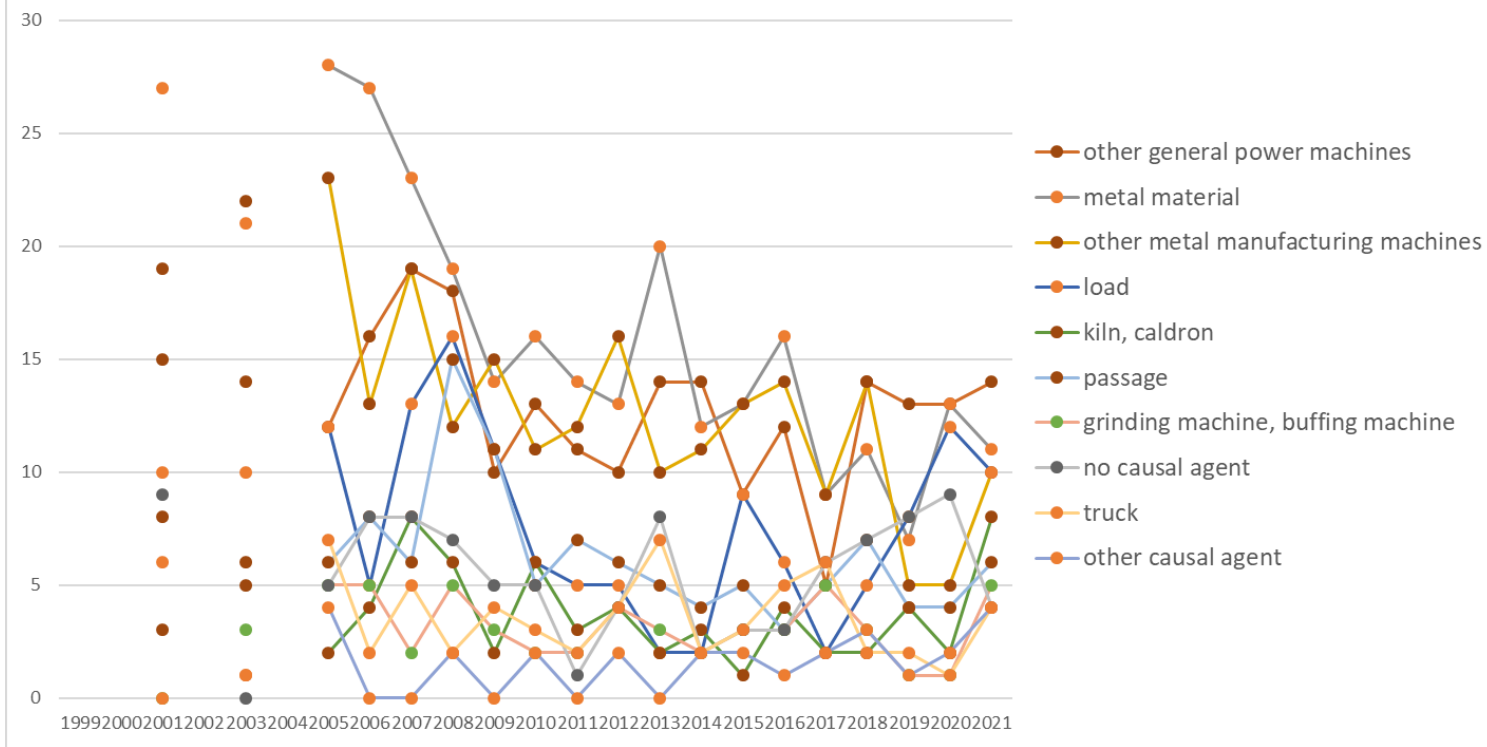


Transition of fatal and non-fatal accidents in large causal agents in code no. 011109 other nonferrous metal products (1999-2021)

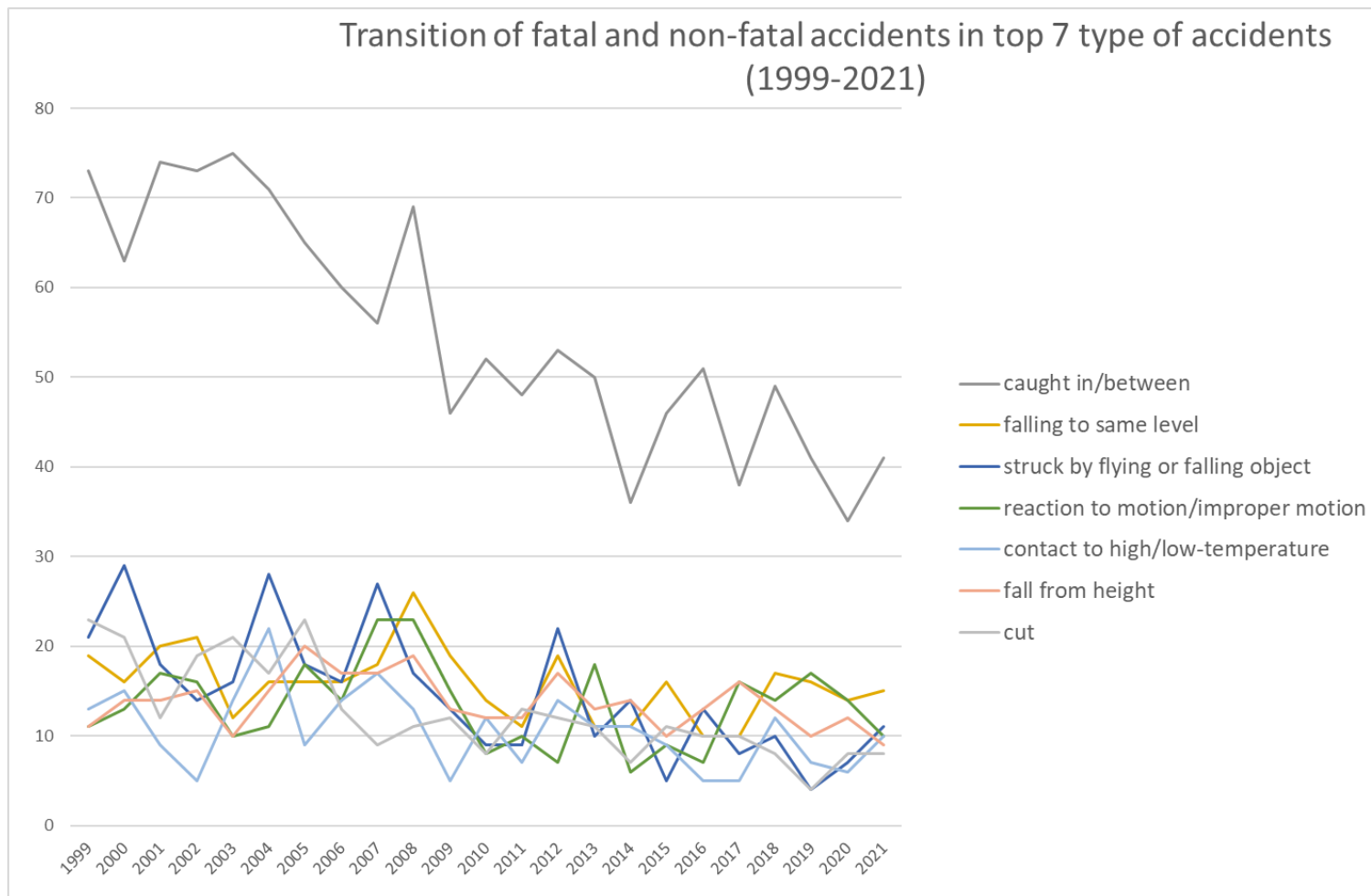


Transition of fatal and non-fatal accidents in middle causal agents in code no. 011109 other nonferrous metal products (1999-2021)

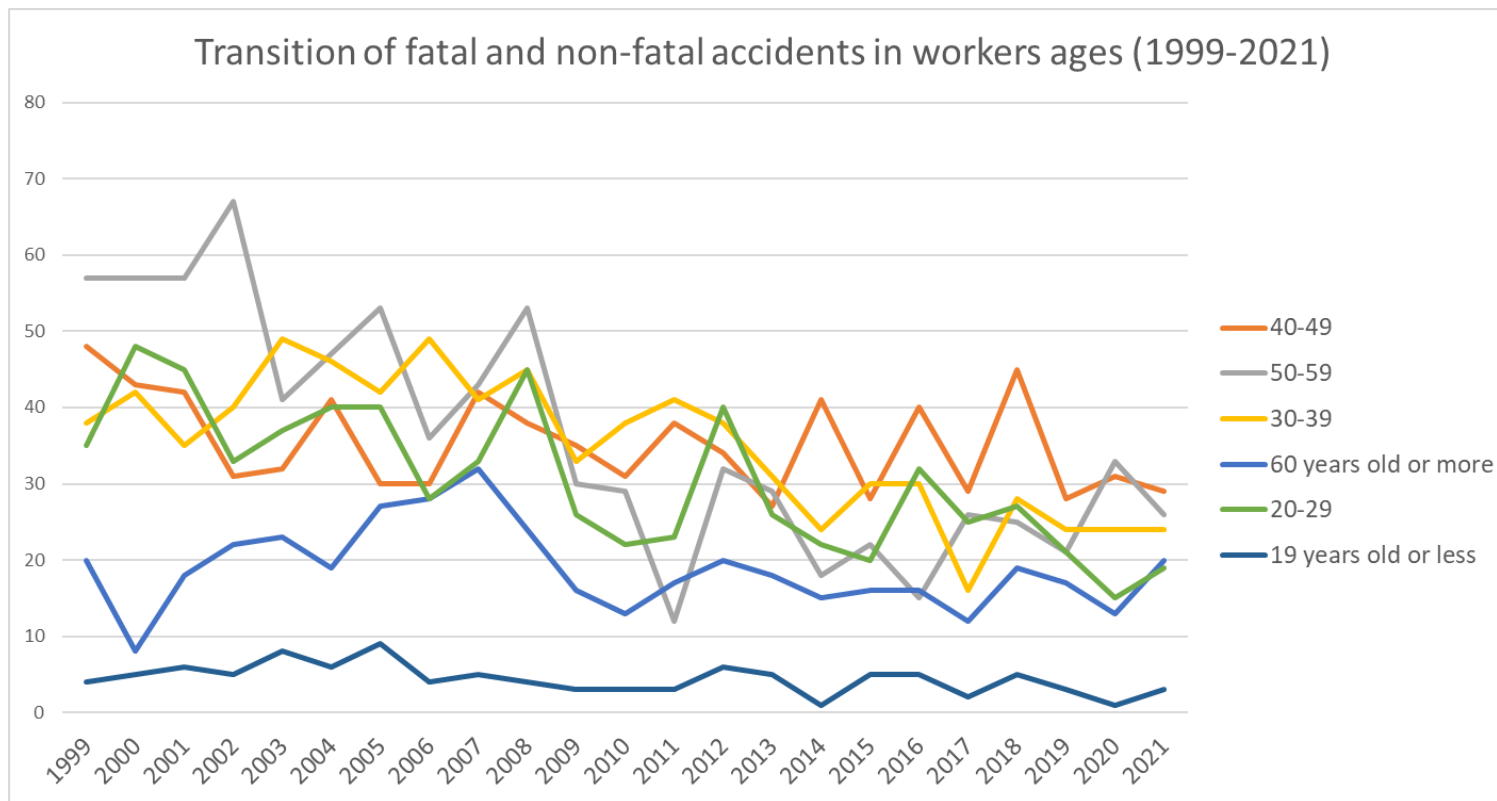
Transition of fatal and non-fatal accidents in top 10 small causal agents
(1999-2021)



Transition of fatal and non-fatal accidents in small causal agents in code no. 011109 other nonferrous metal products (1999-2021)

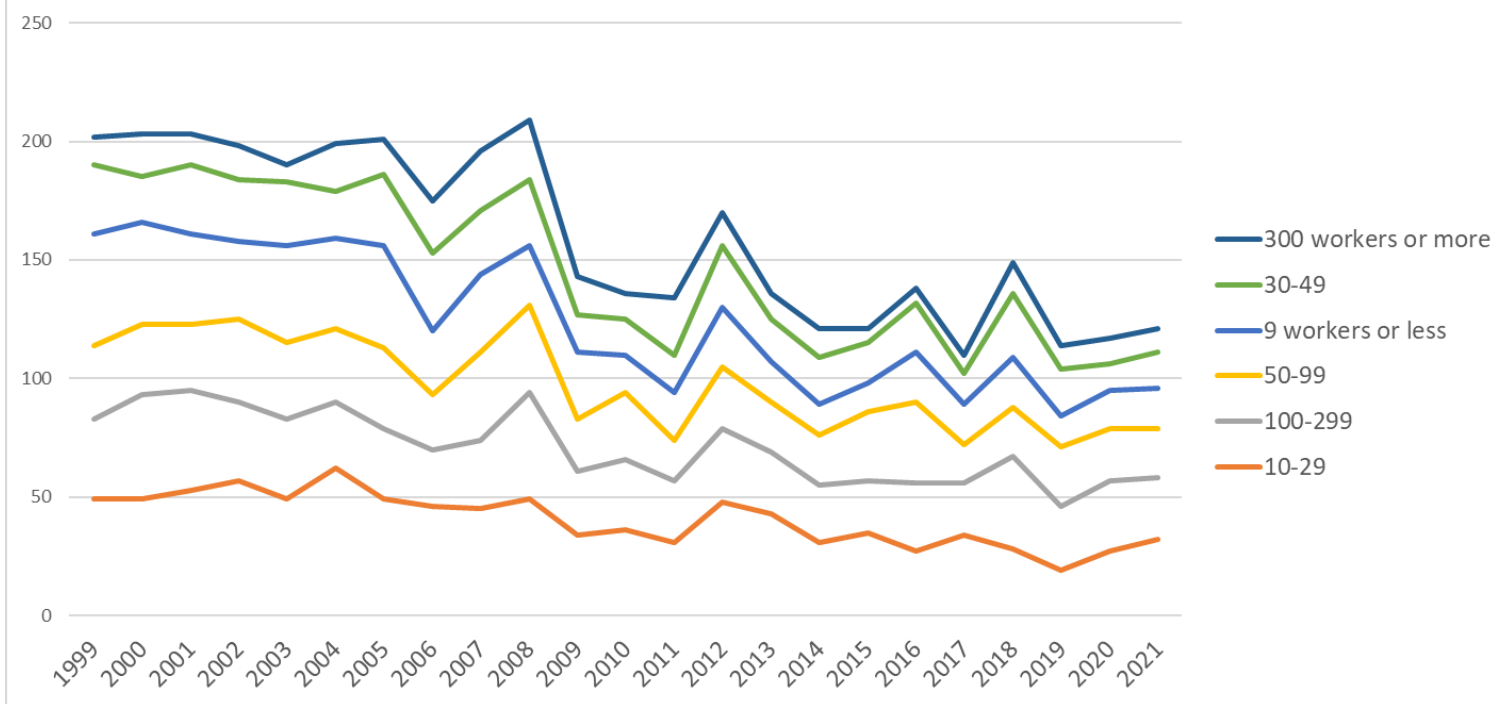


Transition of fatal and non-fatal accidents in type of accidents in code no. 011109 other nonferrous metal products (1999-2021)

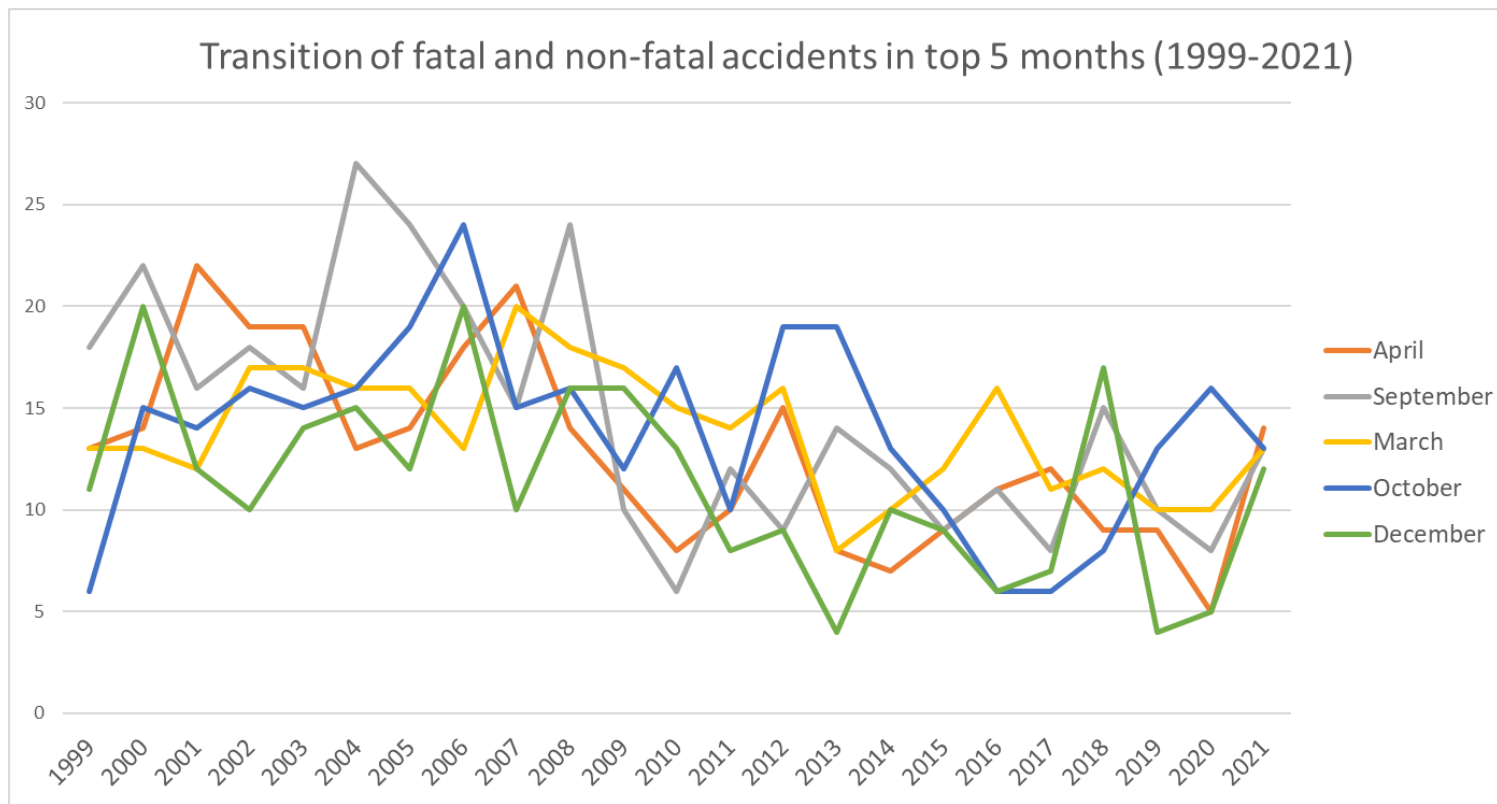


Transition of fatal and non-fatal accidents in workers ages in code no. 011109 other nonferrous metal products (1999-2021)

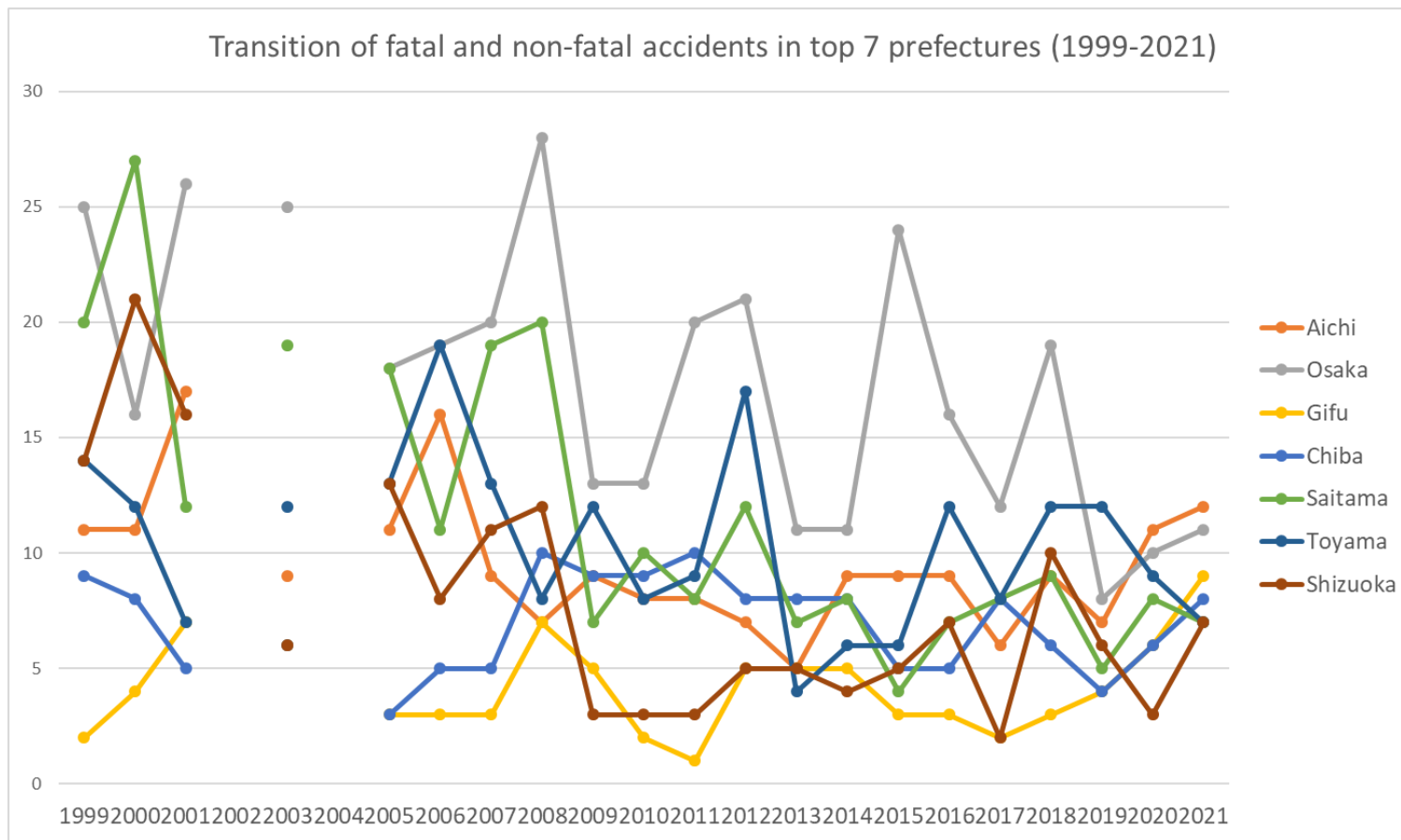
Transition of fatal and non-fatal accidents in workers scales (1999-2021)



Transition of fatal and non-fatal accidents in workers scales in code no. 011109 other nonferrous metal products (1999-2021)



Transition of fatal and non-fatal accidents in months in code no. 011109 other nonferrous metal products (1999-2021)



Transition of fatal and non-fatal accidents in prefectures in code no. 011109 other nonferrous metal products (1999-2021)

Transition of fatal and non-fatal accidents in large causal agents in code no. 011109 other nonferrous metal products (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
1	machine	83	58	64	65	74	72	60	57	61	59	45	48	45	48	43	40	42	45	35	48	33	31	38	1,194	machine
3	other equipment	27	35	36	30	32	34	30	24	48	38	22	21	22	39	22	26	15	29	14	26	23	22	20	635	other equipment
4	temporary buildings, establishments	16	19	17	21	18	15	18	18	13	28	22	10	18	16	13	12	15	10	16	20	9	10	15	369	temporary buildings, establishments

																										establishments
5	substance, material	35	40	36	29	31	33	36	38	28	33	23	22	24	24	25	19	16	20	12	14	8	15	15	576	substance, material
2	crane, conveying machine	24	28	24	37	20	23	34	20	23	21	12	16	17	26	21	14	15	21	19	23	19	15	11	483	crane, conveying machine
6	load	11	13	15	11	10	14	12	6	13	17	13	6	6	5	2	2	9	7	3	5	9	12	10	211	load
9	others	2	8	9	4	2	4	10	9	8	9	5	7	1	6	8	5	5	5	8	10	9	11	8	153	others
7	environment	4	2	2	1	3	4	1	3	2	4	1	6	1	6	2	3	4	1	3	3	4	1	4	65	environment
	total	202	203	203	198	190	199	201	175	196	209	143	136	134	170	136	121	121	138	110	149	114	117	121	3,686	total

Transition of fatal and non-fatal accidents in middle causal agents in code no. 011109 other nonferrous metal products (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
15	metal manufacturing machine	51	29	30	36	35	41	33	30	37	31	30	24	26	26	19	20	22	26	22	28	14	11	21	642	metal manufacturing machine
16	general machine	24	24	27	23	32	27	22	24	21	26	13	22	15	16	23	16	15	16	11	16	16	16	15	460	general machine
41	temporary buildings, establishments	16	19	17	21	18	15	18	18	13	28	22	10	18	16	13	12	15	10	16	20	9	10	15	369	temporary buildings, establishments
52	materials	28	36	31	24	25	28	32	32	28	27	17	20	16	19	23	13	14	17	12	11	7	14	12	486	materials
22	conveying machine	17	23	20	28	11	17	18	12	17	16	9	11	9	15	17	9	12	14	15	14	14	14	10	342	conveying machine

[illegible]

13	woodworking machine	3	1	1	4	4	2	2	2	1	1		1	3	3		3	2		1			1		35	woodworking machine
23	vehicle	1	1	2	1	4	2	7	1	1	1	1		1	1		3	2	1		3	2			35	vehicle
35	electric equipment	1	2	2	1	1	3			1	1	1	2					1			1				17	electric equipment
33	welding equipment	1		1			1			1		2		1	3	1			3			1			15	welding equipment
31	pressure vessel	1		1				1		2					1		1								7	pressure vessel
99	unclassifiable				1	1		1	1								1		1						6	unclassifiable
11	engine																									engine
17	mobile silviculture machine																									mobile silviculture machine
	total	202	203	203	198	190	199	201	175	196	209	143	136	134	170	136	121	121	138	110	149	114	117	121	3,686	total

Transition of fatal and non-fatal accidents in small causal agents in code no. 011109 other nonferrous metal products (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
169	other general power machines			19		22		12	16	19	18	10	13	11	10	14	14	9	12	5	14	13	13	14	258	other general power machines
521	metal material			27		21		28	27	23	19	14	16	14	13	20	12	13	16	9	11	7	13	11	314	metal material
159	other metal manufacturing machines			15		14		23	13	19	12	15	11	12	16	10	11	13	14	9	14	5	5	10	241	other metal manufacturing machines
611	load			10		10		12	5	13	16	11	6	5	5	2	2	9	6	2	5	8	12	10	149	load
341	kiln, caldron			3		5		2	4	8	6	2	6	3	4	2	3	1	4	2	2	4	2	8	71	kiln, caldron

[illegible]

415	crossbeam, principal rafter												2										1	3	crossbeam, principal rafter	
513	inflammable gas			1																	1		1	3	inflammable gas	
371	ladder			5		1		6	6	8	6	3	6	4	3	1	3	3	2	2	7	4	4		74	ladder
163	roll machine (except printingroll machine)			4		4		7	7		6	3	7	2	6	6	1	5	3	2	2		1		66	roll machine (except printingroll machine)
529	other materials			3		3		4	4	4	7	2	4	2	3	1	1	1	1	3			1		44	other materials
231	cars, bus, motorcycle			1		4		7	1	1	1	1		1	1		3	2	1		3	2			29	cars, bus, motorcycle
519	other hazards, harmful substances			1		3		3	2		2	2	2	4	4	1	1	2			1				28	other hazards, harmful substances
162	mixer, grinder			2		2				2	2		1	1		1		1	1	3		1	2		19	mixer, grinder
131	circular sawing machine			1		2		2	2		1		1	2	1		1	1							14	circular sawing machine
612	machine/equipment as load			5					1		1	2		1					1	1		1			13	machine/equipment as load
164	injection molding machine					1		2								1	1					1			6	injection molding machine
219	other powered crane							2	1			1	1		1										6	other powered crane
331	gas welding equipment									1		2		1	2										6	gas welding equipment
342	industrial dryer			1						2								2				1			6	industrial dryer
349	other kiln, caldron					1			1		1			1								1	1		6	other kiln, caldron

155	hammer							1				1												2	hammer
165	food manufacturing machine			1		1																		2	food manufacturing machine
166	printing machine							1													1			2	printing machine
223	railway equipment																				1	1		2	railway equipment
225	loader														1						1			2	loader
311	boiler								1						1									2	boiler
359	other electrical equipment			1													1							2	other electrical equipment
414	opening								1					1										2	opening
511	explosive substance									1	1													2	explosive substance
523	stone, sand, substance					1				1														2	stone, sand, substance
133	wood planer machine					1																		1	wood planer machine
134	hollow chisel mortiser, wood borer					1																		1	hollow chisel mortiser, wood borer
135	chamfering machine, router, woodworking milling machine														1									1	chamfering machine, router, woodworking milling machine
136	chain saw																					1		1	chain saw
149	other construction machines																					1		1	other construction machines

161	centrifugal machine																		1					1	centrifugal machine
215	cargo lifting appliance																			1				1	cargo lifting appliance
239	other vehicles			1																				1	other vehicles
312	pressure vessel													1										1	pressure vessel
714	abnormal environment																			1				1	abnormal environment
111	engine																								engine
143	foundation work machine																								foundation work machine
144	hardening machine																								hardening machine
146	vehicle for high lift work																								vehicle for high lift work
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
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
232	railway vehicle																										railway vehicle
412	timbering																										timbering
515	radiation																										radiation
712	standing tree																										standing tree
	total			203		190		201	175	196	209	143	136	134	170	136	121	121	138	110	149	114	117	121	2,884		total

Transition of fatal and non-fatal accidents in type of accidents in code no. 011109 other nonferrous metal products (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
07	caught in/between	73	63	74	73	75	71	65	60	56	69	46	52	48	53	50	36	46	51	38	49	41	34	41	1,264	caught in/between
02	falling to same level	19	16	20	21	12	16	16	16	18	26	19	14	11	19	11	11	16	10	10	17	16	14	15	363	falling to same level
04	struck by flying or falling object	21	29	18	14	16	28	18	16	27	17	13	9	9	22	10	14	5	13	8	10	4	7	11	339	struck by flying or falling object
19	reaction to motion/improper motion	11	13	17	16	10	11	18	14	23	23	15	8	10	7	18	6	9	7	16	14	17	14	10	307	reaction to motion/improper motion
11	contact to high/low-temperature	13	15	9	5	14	22	9	14	17	13	5	12	7	14	11	11	9	5	5	12	7	6	10	245	contact to high/low-temperature

01	fall from height	11	14	14	15	10	15	20	17	17	19	13	12	12	17	13	14	10	13	16	13	10	12	9	316	fall from height
08	cut	23	21	12	19	21	17	23	13	9	11	12	8	13	12	11	7	11	10	10	8	4	8	8	291	cut
90	others	1	2			2		1			1		2		3			2	1	1		1	1	4	22	others
03	crash	5	5	13	6	6	8	7	8	10	7	4	3	4	5	3	3	2	6	3	11	3	7	3	132	crash
14	explosion	3	3	2	2	4		2	1	1	3	1		2										3	27	explosion
06	crashed by	12	8	9	14	4	4	7	5	7	6	6	9	11	8	7	7	4	11	2	9	4	10	2	166	crashed by
05	collapse	3	8	6	4	5	1	6	3	5	5	4	2	1	5	2	3	3	2		3	4	2	2	79	collapse
12	contact to harmful substance	5	1	3	6	4	2	2	4	1	4	4	3	6	3		2		3	1	2		1	1	58	contact to harmful substance
09	injury to the sole of the foot	1	1	2		1	1		1	2					1			2						1	13	injury to the sole of the foot
16	fire								1		1				1		2					2		1	8	fire
17	traffic accident (public road)	1	2	2	1	4	2	6	1	1	2						3	1	2			1			29	traffic accident (public road)
15	burst				1	1			1	2									3		1				9	burst
13	electric shock		2	1	1		1				1	1	1												8	electric shock
99	unclassifiable					1		1			1						2		1				1		7	unclassifiable
10	drown			1									1												2	drown
18	traffic accident (others)																	1							1	traffic accident (others)
	total	202	203	203	198	190	199	201	175	196	209	143	136	134	170	136	121	121	138	110	149	114	117	121	3,686	total

[illegible]

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	48	43	42	31	32	41	30	30	42	38	35	31	38	34	27	41	28	40	29	45	28	31	29	813	40-49
5	50-59	57	57	57	67	41	47	53	36	43	53	30	29	12	32	29	18	22	15	26	25	21	33	26	829	50-59
3	30-39	38	42	35	40	49	46	42	49	41	45	33	38	41	38	31	24	30	30	16	28	24	24	24	808	30-39
6	60 years old or more	20	8	18	22	23	19	27	28	32	24	16	13	17	20	18	15	16	16	12	19	17	13	20	433	60 years old or more
2	20-29	35	48	45	33	37	40	40	28	33	45	26	22	23	40	26	22	20	32	25	27	21	15	19	702	20-29
1	19 years old or less	4	5	6	5	8	6	9	4	5	4	3	3	3	6	5	1	5	5	2	5	3	1	3	101	19 years old or less
	total	202	203	203	198	190	199	201	175	196	209	143	136	134	170	136	121	121	138	110	149	114	117	121	3,686	total

Transition of fatal and non-fatal accidents in workers scales in code no. 011109 other nonferrous metal products (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
2	10-29	49	49	53	57	49	62	49	46	45	49	34	36	31	48	43	31	35	27	34	28	19	27	32	933	10-29
5	100-299	34	44	42	33	34	28	30	24	29	45	27	30	26	31	26	24	22	29	22	39	27	30	26	702	100-299
4	50-99	31	30	28	35	32	31	34	23	37	37	22	28	17	26	21	21	29	34	16	21	25	22	21	621	50-99
1	9 workers or less	47	43	38	33	41	38	43	27	33	25	28	16	20	25	17	13	12	21	17	21	13	16	17	604	9 workers or less
3	30-49	29	19	29	26	27	20	30	33	27	28	16	15	16	26	18	20	17	21	13	27	20	11	15	503	30-49
6	300 workers or more	12	18	13	14	7	20	15	22	25	25	16	11	24	14	11	12	6	6	8	13	10	11	10	323	300 workers or more
	total	202	203	203	198	190	199	201	175	196	209	143	136	134	170	136	121	121	138	110	149	114	117	121	3,686	total

Transition of fatal and non-fatal accidents in months in code no. 011109 other nonferrous metal products (1999-2021)

[illegible]

9	September	18	22	16	18	16	27	24	20	15	24	10	6	12	9	14	12	9	11	8	15	10	8	13	337	September
3	March	13	13	12	17	17	16	16	13	20	18	17	15	14	16	8	10	12	16	11	12	10	10	13	319	March
10	October	6	15	14	16	15	16	19	24	15	16	12	17	10	19	19	13	10	6	6	8	13	16	13	318	October
12	December	11	20	12	10	14	15	12	20	10	16	16	13	8	9	4	10	9	6	7	17	4	5	12	260	December
7	July	21	12	20	20	18	17	21	7	12	24	12	14	20	18	10	8	13	9	6	18	11	8	11	330	July
1	January	18	23	16	22	13	16	18	11	23	20	8	7	7	16	13	7	8	14	9	14	5	12	11	311	January
8	August	18	13	16	18	18	18	14	14	14	10	14	13	5	19	14	15	3	11	7	5	9	6	9	283	August
5	May	24	21	13	19	20	13	15	9	16	17	11	13	9	12	17	9	9	15	15	14	12	9	8	320	May
2	February	20	15	20	15	6	19	18	13	25	18	7	9	13	12	6	10	11	17	9	10	10	13	8	304	February
6	June	19	17	16	9	18	12	16	15	12	19	15	14	12	9	13	8	15	11	10	11	8	12	5	296	June
11	November	21	18	26	15	16	17	14	11	13	13	10	7	14	16	10	12	13	11	10	16	13	13	4	313	November
	total	202	203	203	198	190	199	201	175	196	209	143	136	134	170	136	121	121	138	110	149	114	117	121	3,686	total

Transition of fatal and non-fatal accidents in prefectures in code no. 011109 other nonferrous metal products (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
23	Aichi	11	11	17		9		11	16	9	7	9	8	8	7	5	9	9	9	6	9	7	11	12	200	Aichi
27	Osaka	25	16	26		25		18	19	20	28	13	13	20	21	11	11	24	16	12	19	8	10	11	366	Osaka
21	Gifu	2	4	7		6		3	3	3	7	5	2	1	5	5	5	3	3	2	3	4	6	9	88	Gifu
12	Chiba	9	8	5		6		3	5	5	10	9	9	10	8	8	8	5	5	8	6	4	6	8	145	Chiba
11	Saitama	20	27	12		19		18	11	19	20	7	10	8	12	7	8	4	7	8	9	5	8	7	246	Saitama
16	Toyama	14	12	7		12		13	19	13	8	12	8	9	17	4	6	6	12	8	12	12	9	7	220	Toyama
22	Shizuoka	14	21	16		6		13	8	11	12	3	3	3	5	5	4	5	7	2	10	6	3	7	164	Shizuoka
8	Ibaraki	12	12	11		10		10	9	21	14	7	10	5	7	8	5	10	6	8	9	5	6	6	191	Ibaraki
14	Kanagawa	10	9	7		8		9	9	12	7	5	2	11	8	6	9	4	12	5	6	10	4	6	159	Kanagawa

[illegible]

38	Ehime			3		1		3	1	1	2	1	1	2	1		2		2	1	2	2			25	Ehime
3	Iwate	2	1	1		2		1	2	1	3		3	1	2		2			3					24	Iwate
1	Hokkaido	1				2		2		1	1	2	2	1	4	1	1		1	1		1	1		22	Hokkaido
45	Miyazaki		1	1		4		2	2		1			2	3	3			1		1				21	Miyazaki
17	Ishikawa		3			3				1		1		1	1	2		1	1	1		1			16	Ishikawa
35	Yamaguchi	1	1	1				2		2	1	2										1			11	Yamaguchi
42	Nagasaki			1		1		1			1	1		1		1			1	1	1				10	Nagasaki
30	Wakayama		1	1				1		1		1			1			1		1	1				9	Wakayama
31	Tottori					1		1	1	1			1	1				1	1				1		9	Tottori
44	Oita	1	1					1		1	1			1	2										8	Oita
46	Kagoshima		1					1					1					1				1	1		6	Kagoshima
39	Kochi																	1		1			2		4	Kochi
47	Okinawa	1						2			1														4	Okinawa
36	Tokushima					1			1											1					3	Tokushima
32	Shimane												1									1			2	Shimane
	total	202	203	203		190		201	175	196	209	143	136	134	170	136	121	121	138	110	149	114	117	121	3,289	total

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

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