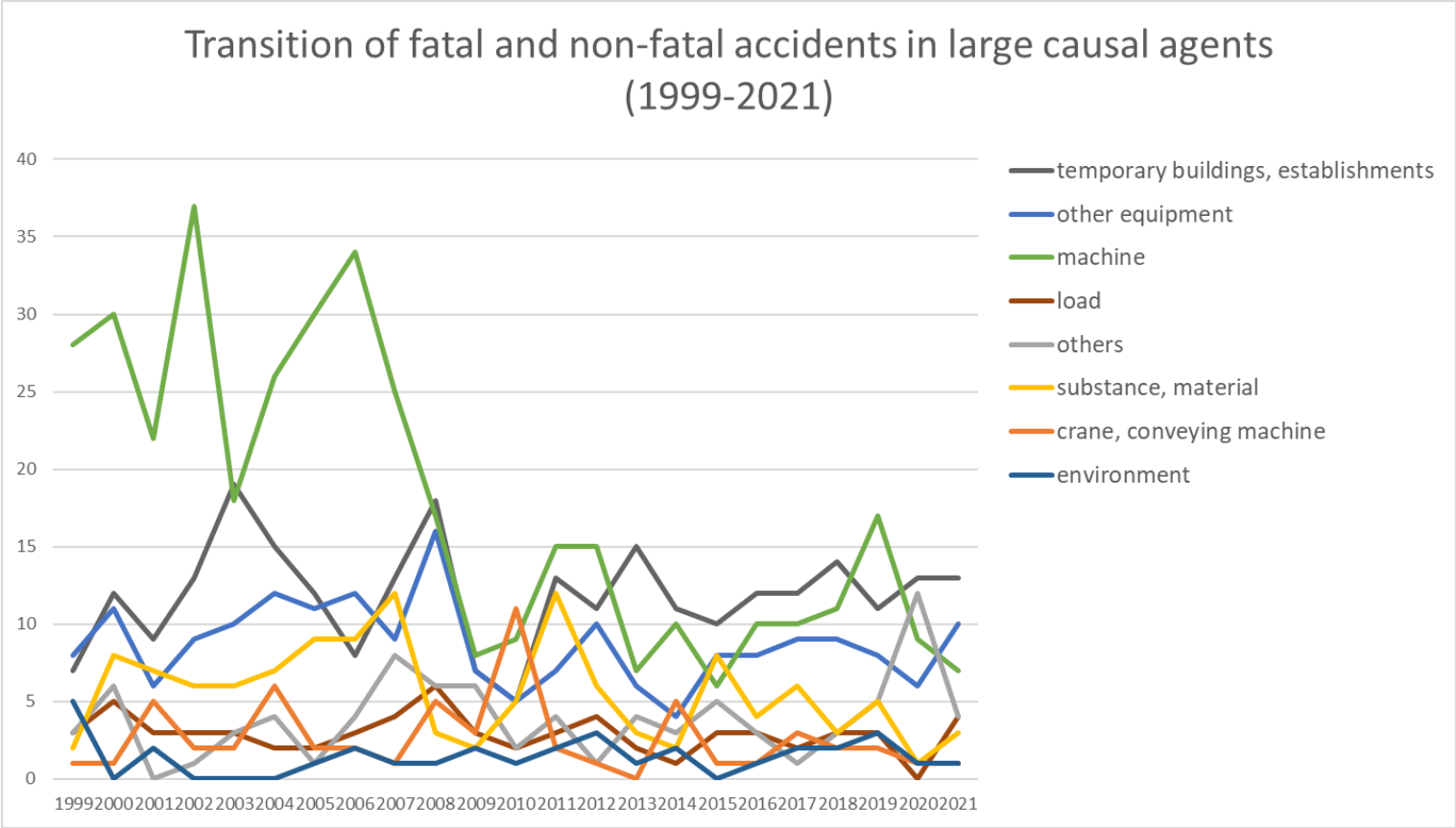
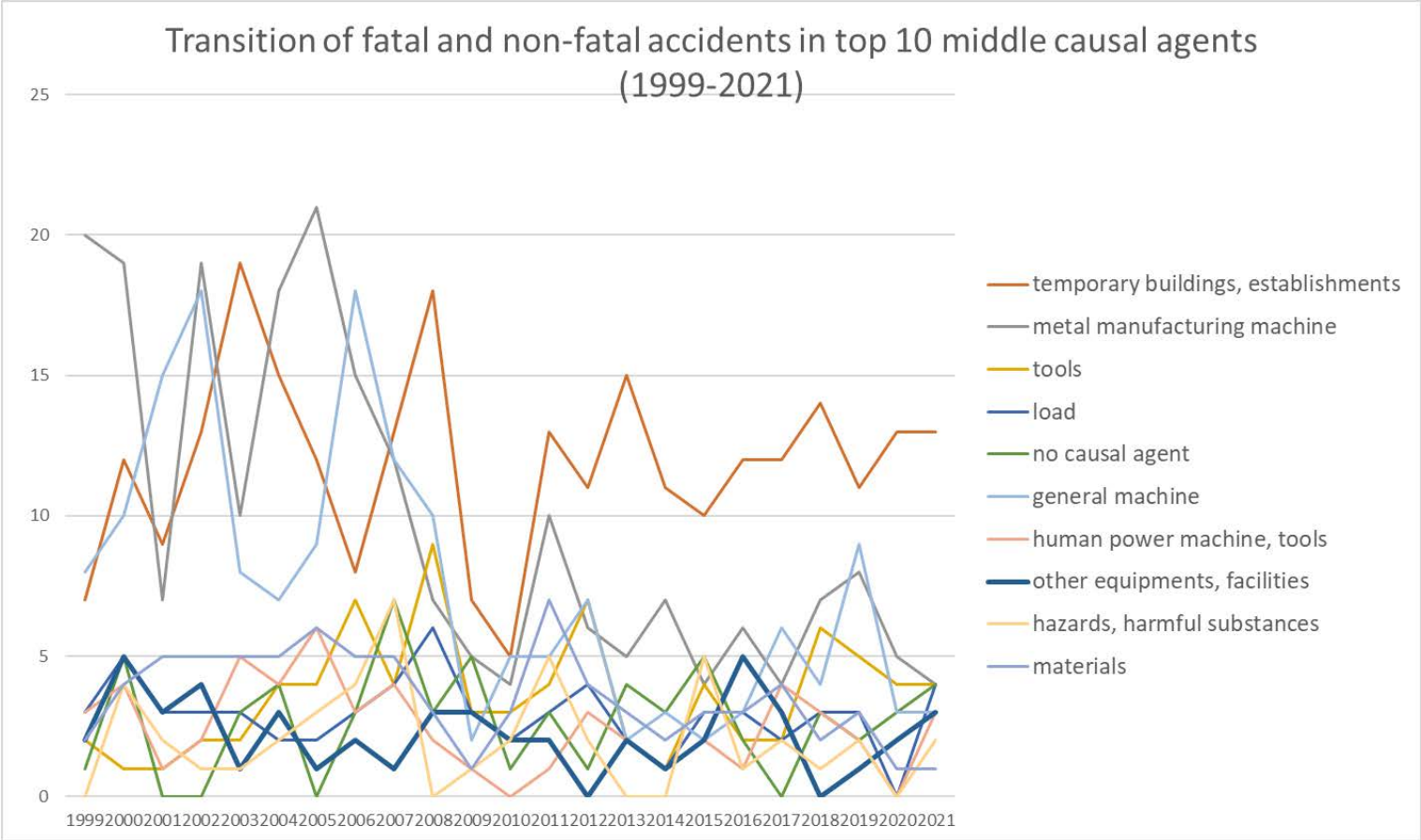
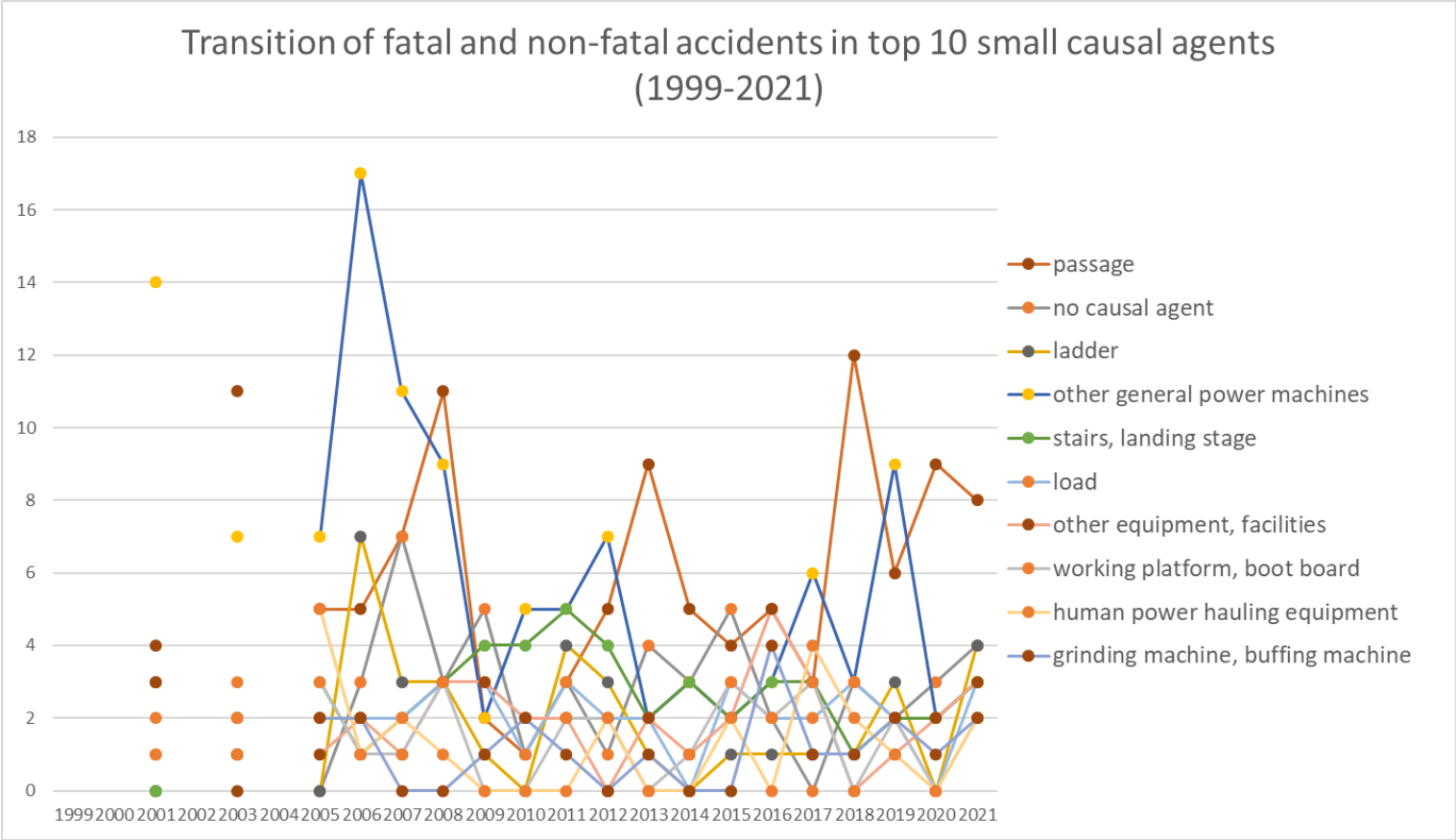
Transition of fatal and non-fatal accidents in each element like as causal agents, type of accidents, etc. in code no. 011303 optical instruments (1999-2021)



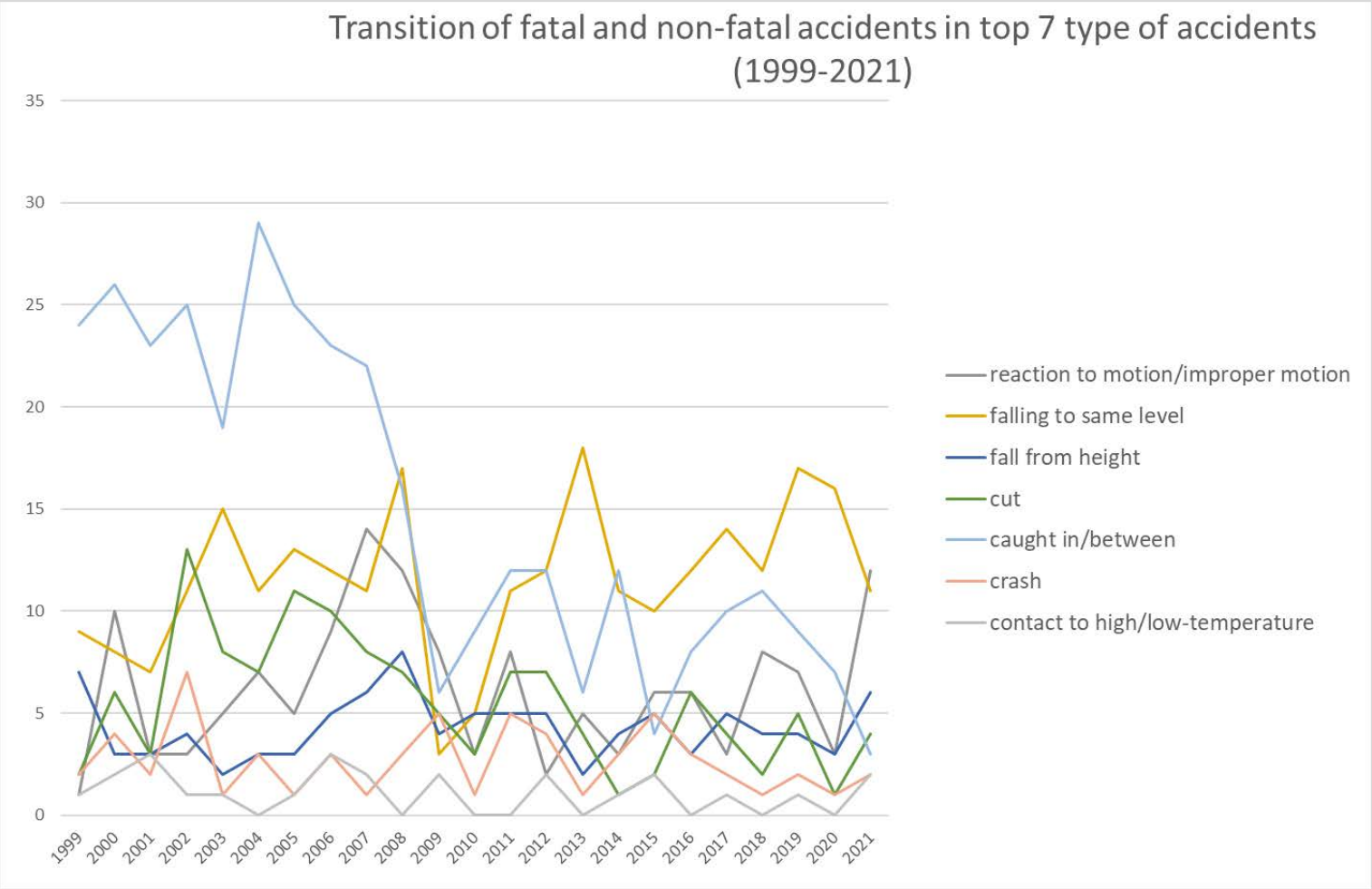
Transition of fatal and non-fatal accidents in large causal agents in code no. 011303 optical instruments (1999-2021)



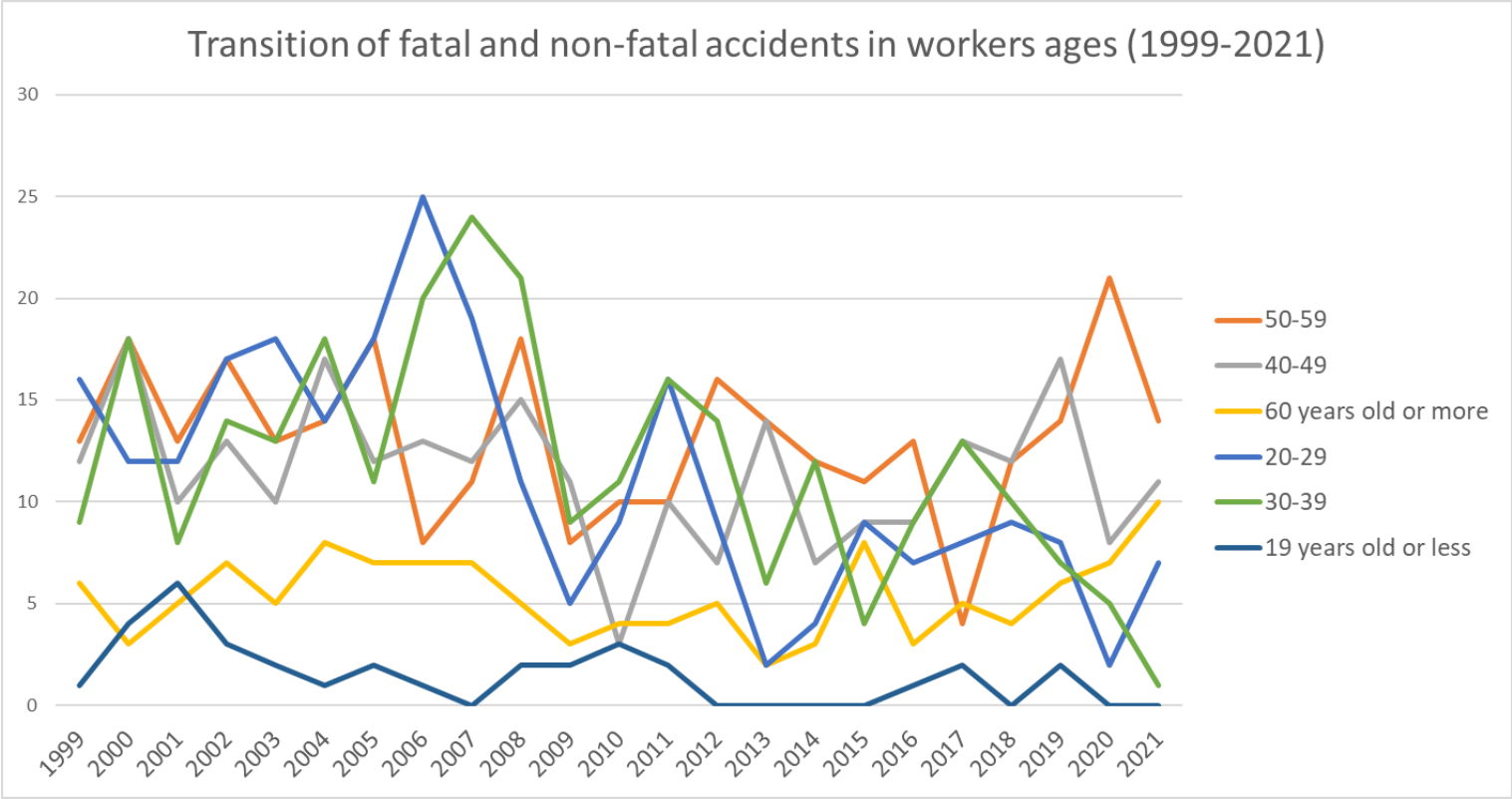
Transition of fatal and non-fatal accidents in middle causal agents in code no. 011303 optical instruments (1999-2021)



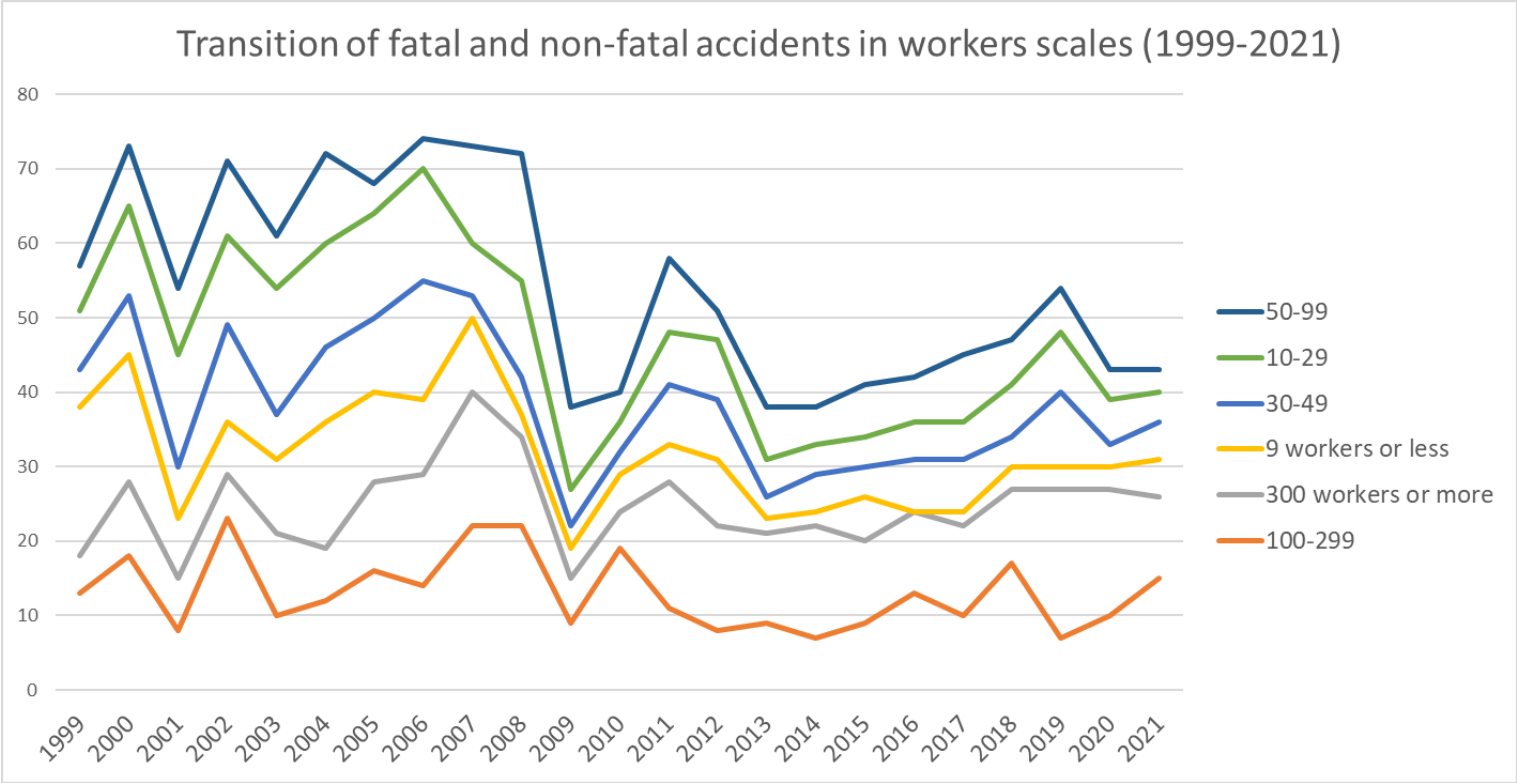
Transition of fatal and non-fatal accidents in small causal agents in code no. 011303 optical instruments (1999-2021)



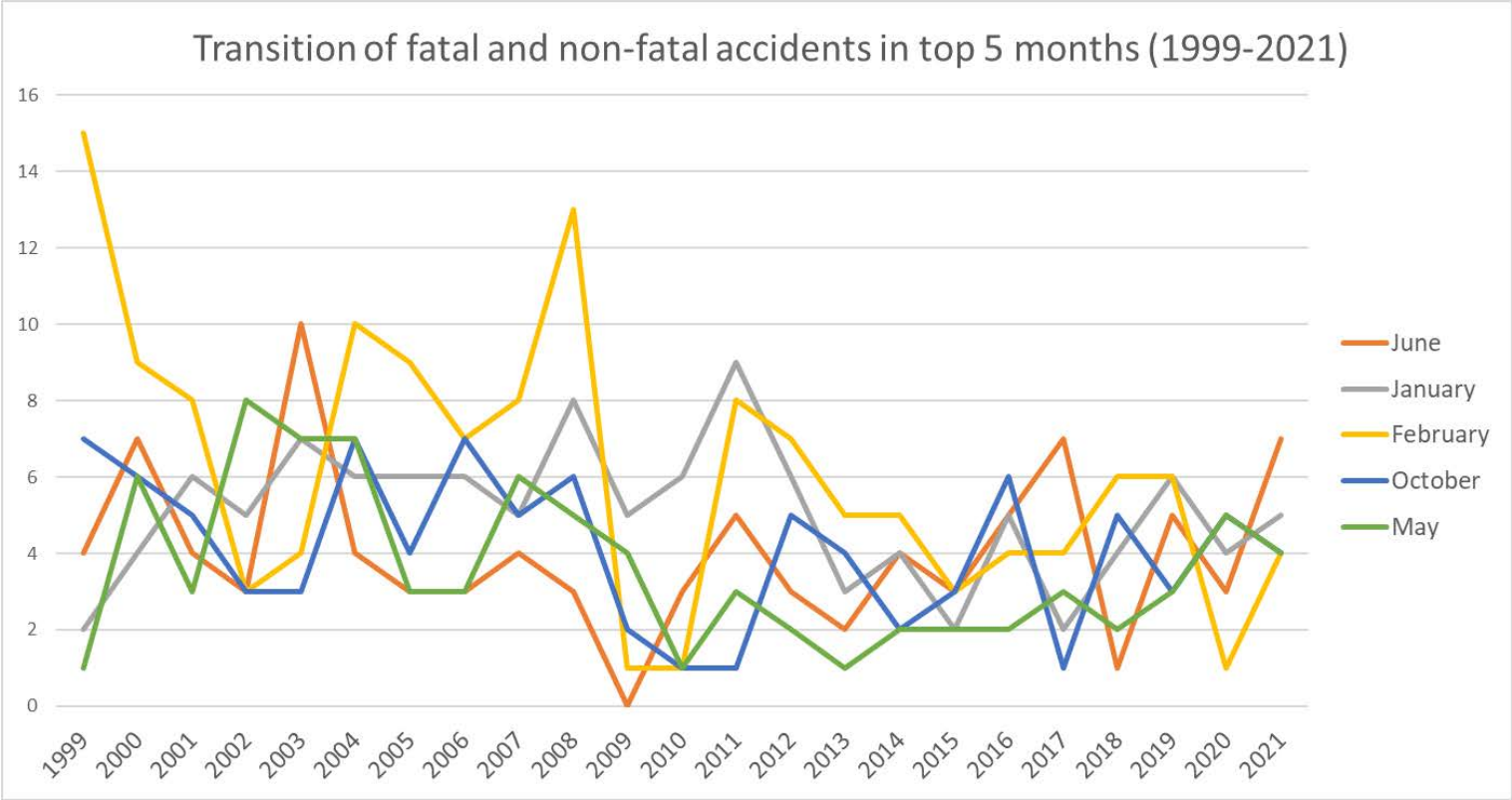
Transition of fatal and non-fatal accidents in type of accidents in code no. 011303 optical instruments (1999-2021)



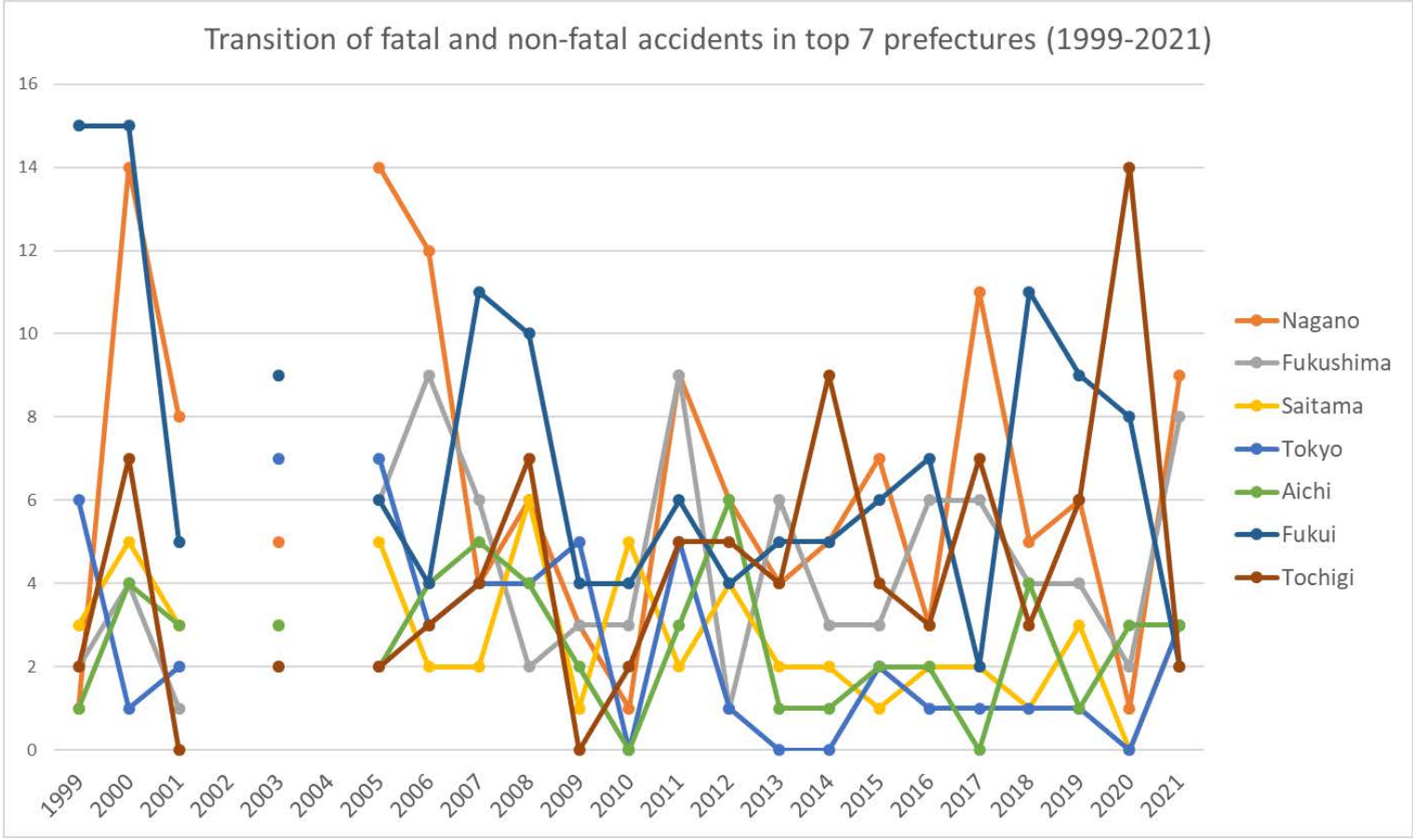
Transition of fatal and non-fatal accidents in workers ages in code no. 011303 optical instruments (1999-2021)



Transition of fatal and non-fatal accidents in workers scales in code no. 011303 optical instruments (1999-2021)



Transition of fatal and non-fatal accidents in months in code no. 011303 optical instruments (1999-2021)



Transition of fatal and non-fatal accidents in prefectures in code no. 011303 optical instruments (1999-2021)

Transition of fatal and non-fatal accidents in large causal agents in code no. 011303 optical instruments (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
4	temporary buildings, establishments	7	12	9	13	19	15	12	8	13	18	7	5	13	11	15	11	10	12	12	14	11	13	13	273	temporary buildings, establishments
3	other equipment	8	11	6	9	10	12	11	12	9	16	7	5	7	10	6	4	8	8	9	9	8	6	10	201	other equipment

1	machine	28	30	22	37	18	26	30	34	25	17	8	9	15	15	7	10	6	10	10	11	17	9	7	401	machine
6	load	3	5	3	3	3	2	2	3	4	6	3	2	3	4	2	1	3	3	2	3	3		4	67	load
9	others	3	6		1	3	4	1	4	8	6	6	2	4	1	4	3	5	3	1	3	5	12	4	89	others
5	substance, material	2	8	7	6	6	7	9	9	12	3	2	5	12	6	3	2	8	4	6	3	5	1	3	129	substance, material
2	crane, conveying machine	1	1	5	2	2	6	2	2	1	5	3	11	2	1		5	1	1	3	2	2	1	1	60	crane, conveying machine
7	environment	5		2				1	2	1	1	2	1	2	3	1	2		1	2	2	3	1	1	33	environment
	total	57	73	54	71	61	72	68	74	73	72	38	40	58	51	38	38	41	42	45	47	54	43	43	1,253	total

Transition of fatal and non-fatal accidents in middle causal agents in code no. 011303 optical instruments (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
41	temporary buildings, establishments	7	12	9	13	19	15	12	8	13	18	7	5	13	11	15	11	10	12	12	14	11	13	13	273	temporary buildings, establishments
15	metal manufacturing machine	20	19	7	19	10	18	21	15	12	7	5	4	10	6	5	7	4	6	4	7	8	5	4	223	metal manufacturing machine
37	tools	2	1	1	2	2	4	4	7	4	9	3	3	4	7	2	1	4	2	2	6	5	4	4	83	tools
61	load	3	5	3	3	3	2	2	3	4	6	3	2	3	4	2	1	3	3	2	3	3		4	67	load
92	no causal agent	1	5			3	4		3	7	3	5	1	3	1	4	3	5	2		3	2	3	4	62	no causal agent
																										general

16	general machine	8	10	15	18	8	7	9	18	12	10	2	5	5	7	2	3	2	3	6	4	9	3	3	169	machine
36	human power machine, tools	3	4	1	2	5	4	6	3	4	2	1		1	3	2	1	2	1	4	3	2		3	57	human power machine, tools
39	other equipments, facilities	2	5	3	4	1	3	1	2	1	3	3	2	2		2	1	2	5	3		1	2	3	51	other equipments, facilities
51	hazards, harmful substances		4	2	1	1	2	3	4	7		1	2	5	2			5	1	2	1	2		2	47	hazards, harmful substances
52	materials	2	4	5	5	5	5	6	5	5	3	1	3	7	4	3	2	3	3	4	2	3	1	1	82	materials
23	vehicle			1	1	2	3	2			3	2	9	2			2		1	2	2	1		1	34	vehicle
71	natural environment	5		2				1	2	1	1	2	1	2	3	1	2		1	2	2	3	1	1	33	natural environment
91	other causal agent	2	1					1	1	1	3	1		1					1	1		3	9		25	other causal agent
22	conveying machine	1		3	1		1		2	1	1	1	2		1		3	1		1			1		20	conveying machine
12	power transmission mechanism		1				1		1	1		1			2				1				1		9	power transmission mechanism
21	crane		1	1			2				1											1			6	crane
34	kiln, caldron	1		1		1																			3	kiln, caldron
35	electric equipment		1			1											1								3	electric equipment
																										chemical

32	chemical facilities				1						1															2	facilities
33	welding equipment						1				1															2	welding equipment
99	unclassifiable				1								1													2	unclassifiable
11	engine																										engine
13	woodworking machine																										woodworking machine
14	construction machine																										construction machine
17	mobile silviculture machine																										mobile silviculture machine
31	pressure vessel																										pressure vessel
	total	57	73	54	71	61	72	68	74	73	72	38	40	58	51	38	38	41	42	45	47	54	43	43	1,253		total

Transition of fatal and non-fatal accidents in small causal agents in code no. 011303 optical instruments (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			4		11		5	5	7	11	2	1	3	5	9	5	4	5	3	12	6	9	8	115	passage
921	no causal agent					3			3	7	3	5	1	3	1	4	3	5	2		3	2	3	4	52	no causal agent
371	ladder					1			7	3	3	1		4	3	1		1	1	1	1	3		4	34	ladder
169	other general power machines			14		7		7	17	11	9	2	5	5	7	2	3	2	3	6	3	9	2	3	117	other general power machines
413	stairs, landing stage					2		3	1	2	3	4	4	5	4	2	3	2	3	3	1	2	2	3	49	stairs, landing stage
611	load			2		2		2	2	2	3	3	1	3	2	2		3	2	2	3	2		3	39	load

391	other equipment, facilities			3		1		1	2	1	3	3	2	2		2	1	2	5	3		1	2	3	37	other equipment, facilities
416	working platform, boot board			1		1		3	1	1	3			2	2		1	3	2	3		2		2	27	working platform, boot board
362	human power hauling equipment			1		2		5	1	2	1				2			2		4	2	1		2	25	human power hauling equipment
153	grinding machine, buffing machine			3				2	2			1	2	1		1			4	1	1	2	1	2	23	grinding machine, buffing machine
151	lathe			1		2		7	9	3	4		2	2	5	2	2	1		3	1	3	2	1	50	lathe
521	metal material			3		2		1	4	2	1		3	4	3	1	1	3	1	2	2	2	1	1	37	metal material
231	cars, bus, motorcycle			1		2		2			3	2	9	2			2		1	2	2	1		1	30	cars, bus, motorcycle
719	other environments			2				1	2	1	1	2		2	3	1	2		1	2	2	3	1	1	27	other environments
514	harmful substance			1				2	4	5			2	3	1			1	1	2				1	23	harmful substance
159	other metal manufacturing machines					1		6	1	1		3		4			2					1	1	1	21	other metal manufacturing machines
364	hand tool					3		1	2	2	1	1		1	1	2	1		1		1	1		1	19	hand tool
612	machine/equipment as load			1		1			1	2	3		1		2		1		1			1		1	15	machine/equipment as load
512	inflammable substance			1		1		1		2		1		1	1			2				1		1	12	inflammable substance
379	other tools			1		1		4		1	6	2	3		4	1	1	3	1	1	5	1	3		38	other tools
154	power press			1		5		5	1	7	2	1		1	1		2	3	1		3	2	1		36	power press
529	other materials			2		3		5		3	2	1		3	1	2	1		2	2					27	other materials

911	other causal agent							1	1	1	3	1		1					1	1		3	9		22	other causal agent
152	drill press, milling machine			2		2		1	2	1	1			2		2	1		1		2				17	drill press, milling machine
418	building, establishment			2		4			1	2				2		1			1	2	1	1			17	building, establishment
419	other temporary buildings, establishments			1		1		1		1	1	1		1		2	2	1	1				2		15	other temporary buildings, establishments
121	power transmission mechanism								1	1		1			2				1				1		7	power transmission mechanism
222	forklift			1					2	1		1						1							6	forklift
221	truck			1											1		1			1			1		5	truck
519	other hazards, harmful substances													1				2			1	1			5	other hazards, harmful substances
224	conveyor			1							1		2												4	conveyor
167	industrial robot							1		1	1														3	industrial robot
163	roll machine (except printingroll machine)							1	1																2	roll machine (except printingroll machine)
164	injection molding machine			1																	1				2	injection molding machine
211	crane			1																		1			2	crane
229	other powered conveying machines																2								2	other powered conveying machines
	other electrical																									other electrical

359	equipment					1											1								2	equipment
372	slinging tool																					1	1		2	slinging tool
415	roof, beam, haze, crossbeam, principal rafter			1												1									2	roof, beam, haze, crossbeam, principal rafter
165	food manufacturing machine																						1		1	food manufacturing machine
166	printing machine					1																			1	printing machine
214	elevator, lift										1														1	elevator, lift
321	chemical facilities										1														1	chemical facilities
332	arc welding equipment										1														1	arc welding equipment
341	kiln, caldron					1																			1	kiln, caldron
349	other kiln, caldron			1																					1	other kiln, caldron
414	opening																			1					1	opening
522	lumber, bamboo																					1			1	lumber, bamboo
523	stone, sand, substance								1																1	stone, sand, substance
715	high/cold temperature environment												1												1	high/cold temperature environment
999	unclassifiable												1												1	unclassifiable
111	engine																									engine
131	circular sawing																									circular sawing

	machine																									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
135	chamfering machine, router, woodworking milling machine																									chamfering 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

149	other construction machines																									other construction machines
155	forging pressure hammer																									forging pressure hammer
156	shearing machine																									shearing machine
161	centrifugal machine																									centrifugal machine
162	mixer, grinder																									mixer, grinder
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
212	mobile crane																									mobile crane
213	derrick crane																									derrick crane
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
	other powered																									other powered

219	crane																									crane
223	railway equipment																									railway equipment
225	loader																									loader
226	straddle carrier																									straddle carrier
227	rough terrain hauler																									rough terrain hauler
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
331	gas welding equipment																									gas welding equipment
339	other welding equipment																									other welding equipment
342	industrial dryer																									industrial dryer
351	transmission																									transmission
352	electric power facilities																									electric power facilities
361	human power cranes																									human power cranes
363	human power machine																									human power machine
411	scaffolding																									scaffolding

412	timbering																									timbering
511	explosive substance																									explosive substance
513	inflammable gas																									inflammable gas
515	radiation																									radiation
711	natural ground, rock																									natural ground, rock
712	standing tree																									standing tree
713	water																									water
714	abnormal environment																									abnormal environment
	total			54		61		68	74	73	72	38	40	58	51	38	38	41	42	45	47	54	43	43	980	total

Transition of fatal and non-fatal accidents in type of accidents in code no. 011303 optical instruments (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
19	reaction to motion/improper motion	1	10	3	3	5	7	5	9	14	12	8	3	8	2	5	3	6	6	3	8	7	3	12	143	reaction to motion/improper motion
02	falling to same level	9	8	7	11	15	11	13	12	11	17	3	5	11	12	18	11	10	12	14	12	17	16	11	266	falling to same level
01	fall from height	7	3	3	4	2	3	3	5	6	8	4	5	5	5	2	4	5	3	5	4	4	3	6	99	fall from height
08	cut	2	6	3	13	8	7	11	10	8	7	5	3	7	7	4	1	2	6	4	2	5	1	4	126	cut
07	caught in/between	24	26	23	25	19	29	25	23	22	16	6	9	12	12	6	12	4	8	10	11	9	7	3	341	caught in/between
03	crash	2	4	2	7	1	3	1	3	1	3	5	1	5	4	1	3	5	3	2	1	2	1	2	62	crash

11	contact to high/low-temperature	1	2	3	1	1		1	3	2		2			2		1	2		1		1		2	25	contact to high/low-temperature
04	struck by flying or falling object	3	6	5	2	5	5	2	5	2	4	2	2	1	2				2	1	2	4	2	1	58	struck by flying or falling object
12	contact to harmful substance	1		1	2	2	2	2	2	4			2	4			1	1	1	2	1	1		1	30	contact to harmful substance
05	collapse		2	1	1		1		2		1			1	2	1	1	1		1	1			1	17	collapse
06	crashed by	4	2	1			1	2			3	1	1	1	3			3		1	4	1	1		29	crashed by
17	traffic accident (public road)			1	1	2	3	1				2	8	2			1		1	1	1	1			25	traffic accident (public road)
90	others	2								2	1					1						1	9		16	others
13	electric shock	1	1	1	1	1		1														1			7	electric shock
16	fire							1		1				1				2							5	fire
99	unclassifiable		2																						2	unclassifiable
09	injury to the sole of the foot		1																						1	injury to the sole of the foot
10	drown												1												1	drown
14	explosion																									explosion
15	burst																									burst
18	traffic accident (others)																									traffic accident (others)
	total	57	73	54	71	61	72	68	74	73	72	38	40	58	51	38	38	41	42	45	47	54	43	43	1,253	total

Transition of fatal and non-fatal accidents in workers ages in code no. 011303 optical instruments (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	13	18	13	17	13	14	18	8	11	18	8	10	10	16	14	12	11	13	4	12	14	21	14	302	50-59
4	40-49	12	18	10	13	10	17	12	13	12	15	11	3	10	7	14	7	9	9	13	12	17	8	11	263	40-49
6	60 years old or more	6	3	5	7	5	8	7	7	7	5	3	4	4	5	2	3	8	3	5	4	6	7	10	124	60 years old or more
2	20-29	16	12	12	17	18	14	18	25	19	11	5	9	16	9	2	4	9	7	8	9	8	2	7	257	20-29
3	30-39	9	18	8	14	13	18	11	20	24	21	9	11	16	14	6	12	4	9	13	10	7	5	1	273	30-39
1	19 years old or less	1	4	6	3	2	1	2	1		2	2	3	2					1	2		2			34	19 years old or less
	total	57	73	54	71	61	72	68	74	73	72	38	40	58	51	38	38	41	42	45	47	54	43	43	1,253	total

Transition of fatal and non-fatal accidents in workers scales in code no. 011303 optical instruments (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	18	8	23	10	12	16	14	22	22	9	19	11	8	9	7	9	13	10	17	7	10	15	302	100-299
6	300 workers or more	5	10	7	6	11	7	12	15	18	12	6	5	17	14	12	15	11	11	12	10	20	17	11	264	300 workers or more
1	9 workers or less	20	17	8	7	10	17	12	10	10	3	4	5	5	9	2	2	6		2	3	3	3	5	163	9 workers or less
3	30-49	5	8	7	13	6	10	10	16	3	5	3	3	8	8	3	5	4	7	7	4	10	3	5	153	30-49
2	10-29	8	12	15	12	17	14	14	15	7	13	5	4	7	8	5	4	4	5	5	7	8	6	4	199	10-29
4	50-99	6	8	9	10	7	12	4	4	13	17	11	4	10	4	7	5	7	6	9	6	6	4	3	172	50-99
	total	57	73	54	71	61	72	68	74	73	72	38	40	58	51	38	38	41	42	45	47	54	43	43	1,253	total

Transition of fatal and non-fatal accidents in months in code no. 011303 optical instruments (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
6	June	4	7	4	3	10	4	3	3	4	3		3	5	3	2	4	3	5	7	1	5	3	7	93	June
1	January	2	4	6	5	7	6	6	6	5	8	5	6	9	6	3	4	2	5	2	4	6	4	5	116	January
2	February	15	9	8	3	4	10	9	7	8	13	1	1	8	7	5	5	3	4	4	6	6	1	4	141	February
10	October	7	6	5	3	3	7	4	7	5	6	2	1	1	5	4	2	3	6	1	5	3	5	4	95	October
5	May	1	6	3	8	7	7	3	3	6	5	4	1	3	2	1	2	2	2	3	2	3	5	4	83	May
8	August	4	9	6	8	6	9	7	6	11	7	4	4	3	4		3	4	7	3	5	6	2	3	121	August
4	April	5	4	5	7	6	3	6	4	5	5	4	1	5	4	6	4	2		6	7	3	6	3	101	April
11	November	4	6		3	1	6	4	6	6	1	4	12	5	4	2	3	4	4	5	4	4	9	3	100	November
7	July	2	7	2	4	3	6	8	9	6	7	3	3	2	3	4	2	4	1	2	5	6	2	3	94	July
12	December	6	7	2	6	2	3	4	7	7	4	2	2	6	2	4	3	2	5	7	3	4	3	3	94	December
9	September	3	5	8	13	10	6	9	10	2	9	5	5	4	5	4	4	4	2	3	2	2	1	2	118	September
3	March	4	3	5	8	2	5	5	6	8	4	4	1	7	6	3	2	8	1	2	3	6	2	2	97	March
	total	57	73	54	71	61	72	68	74	73	72	38	40	58	51	38	38	41	42	45	47	54	43	43	1,253	total

Transition of fatal and non-fatal accidents in prefectures in code no. 011303 optical instruments (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
20	Nagano	1	14	8		5		14	12	4	6	3	1	9	6	4	5	7	3	11	5	6	1	9	134	Nagano
7	Fukushima	2	4	1		2		6	9	6	2	3	3	9	1	6	3	3	6	6	4	4	2	8	90	Fukushima
11	Saitama	3	5	3		3		5	2	2	6	1	5	2	4	2	2	1	2	2	1	3		3	57	Saitama
13	Tokyo	6	1	2		7		7	3	4	4	5		5	1			2	1	1	1	1		3	54	Tokyo
23	Aichi	1	4	3		3		2	4	5	4	2		3	6	1	1	2	2		4	1	3	3	54	Aichi
18	Fukui	15	15	5		9		6	4	11	10	4	4	6	4	5	5	6	7	2	11	9	8	2	148	Fukui
9	Tochigi	2	7			2		2	3	4	7		2	5	5	4	9	4	3	7	3	6	14	2	91	Tochigi

14	Kanagawa	3	1	2		3			4	1	3	2	1	2	3	2	2		1	3	2	2	2	2	41	Kanagawa
4	Miyagi	1	1	1		1		3	4	3	2	3	1	1	1	2		1		2	2	1		2	32	Miyagi
26	Kyoto	2				2		3	1				1										2	2	13	Kyoto
27	Osaka	1	2	3		3		1	1	2	7		5	1	3	1		3	1	1			1	1	37	Osaka
8	Ibaraki	2	1	3		1		4	1	4	2		8		1		1	1	1	1		3		1	35	Ibaraki
3	Iwate		1	2					1	5		3	2	1	1		1					1	3	1	22	Iwate
15	Niigata	1	1	1		1		1	1	1	1		1	1	1	2	2			1	2	3		1	22	Niigata
45	Miyazaki	1				1		1				1						1	2		1	5		1	14	Miyazaki
12	Chiba	1						1		1		1	1		1				1	3			1	1	12	Chiba
40	Fukuoka							1		1				1							1			1	5	Fukuoka
5	Akita	3	8	3		4		1	5	4	3	4	1	4	3	3	2	1	1	1	2	3	3		59	Akita
2	Aomori	4		3		2		1	2	5	3	1			2	1	1	3	5		1				34	Aomori
6	Yamagata	2	2	3				1	3	1	3	1	2	1	1	2		1	3	1	2	2			31	Yamagata
19	Yamanashi	1	1	1		1		2	4	1	2	1		2	2	1	2		1	1	1	1			25	Yamanashi
44	Oita			2		5		1	1	4	2			2	3		1	2				1	1		25	Oita
30	Wakayama	1				1		1	2	1	2			1	1	1		1		1					13	Wakayama
22	Shizuoka	1	1	2		2		1	1									1	1	1					11	Shizuoka
25	Shiga	2	2			2		1	2	1							1								11	Shiga
10	Gunma			1							1	1			1							1	1		6	Gunma
21	Gifu								1		1										4				6	Gifu
24	Mie			1				2					1			1									5	Mie
28	Hyogo	1	1						2		1														5	Hyogo
42	Nagasaki			1									1	1					1			1			5	Nagasaki

1	Hokkaido											1		1				1					1		4	Hokkaido
29	Nara			1		1						1													3	Nara
33	Okayama			1						1															2	Okayama
16	Toyama								1																1	Toyama
36	Tokushima									1															1	Tokushima
38	Ehime			1																					1	Ehime
46	Kagoshima		1																						1	Kagoshima
17	Ishikawa																									Ishikawa
31	Tottori																									Tottori
32	Shimane																									Shimane
34	Hiroshima																									Hiroshima
35	Yamaguchi																									Yamaguchi
37	Kagawa																									Kagawa
39	Kochi																									Kochi
41	Saga																									Saga
43	Kumamoto																									Kumamoto
47	Okinawa																									Okinawa
	total	57	73	54		61		68	74	73	72	38	40	58	51	38	38	41	42	45	47	54	43	43	1,110	total

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

Return to https://www.jisha.or.jp/english/statistics/202211_23.html