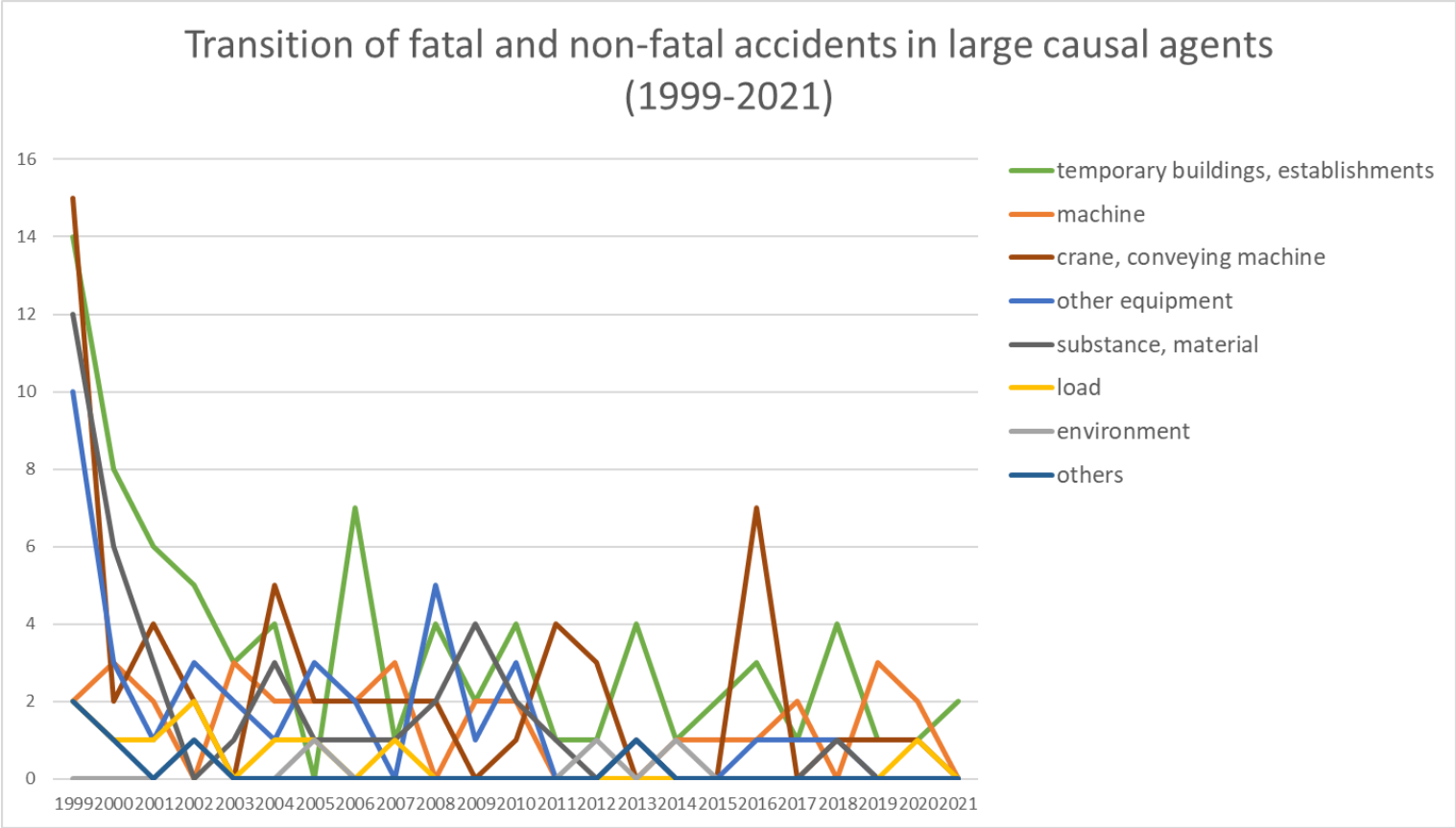
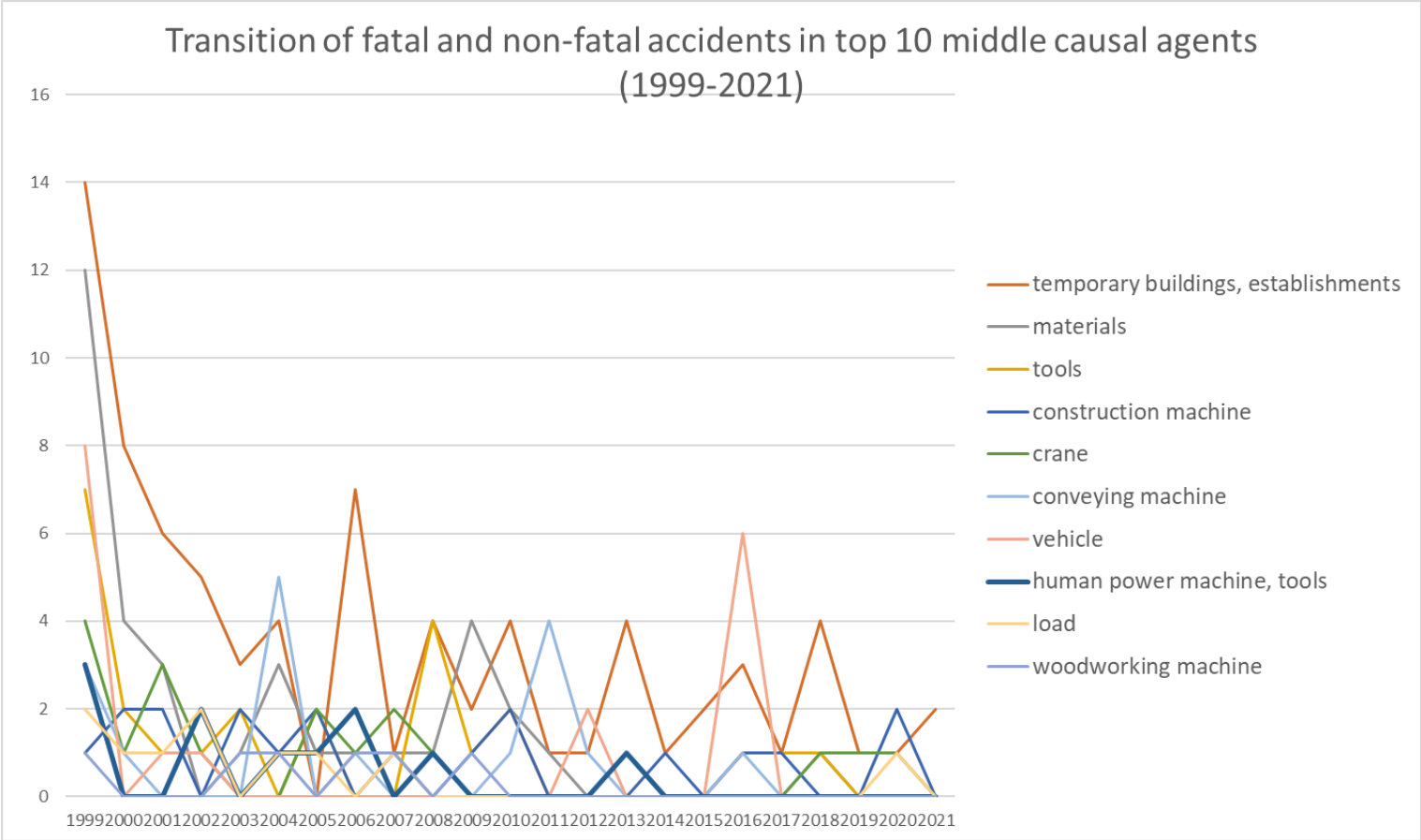
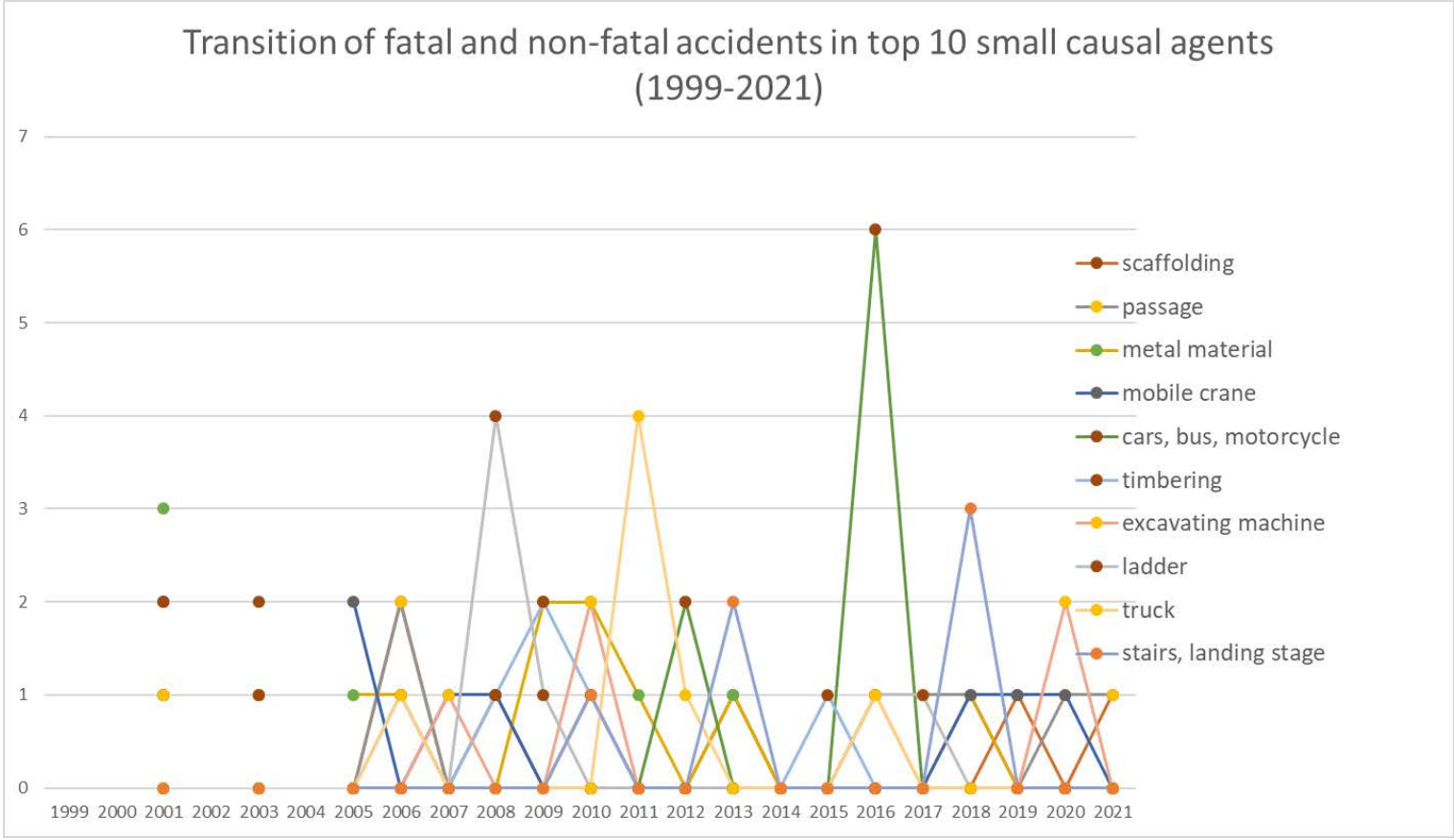
Transition of fatal and non-fatal accidents in each element like as causal agents, type of accidents, etc. in code no. 030103 subway construction work (1999-2021)



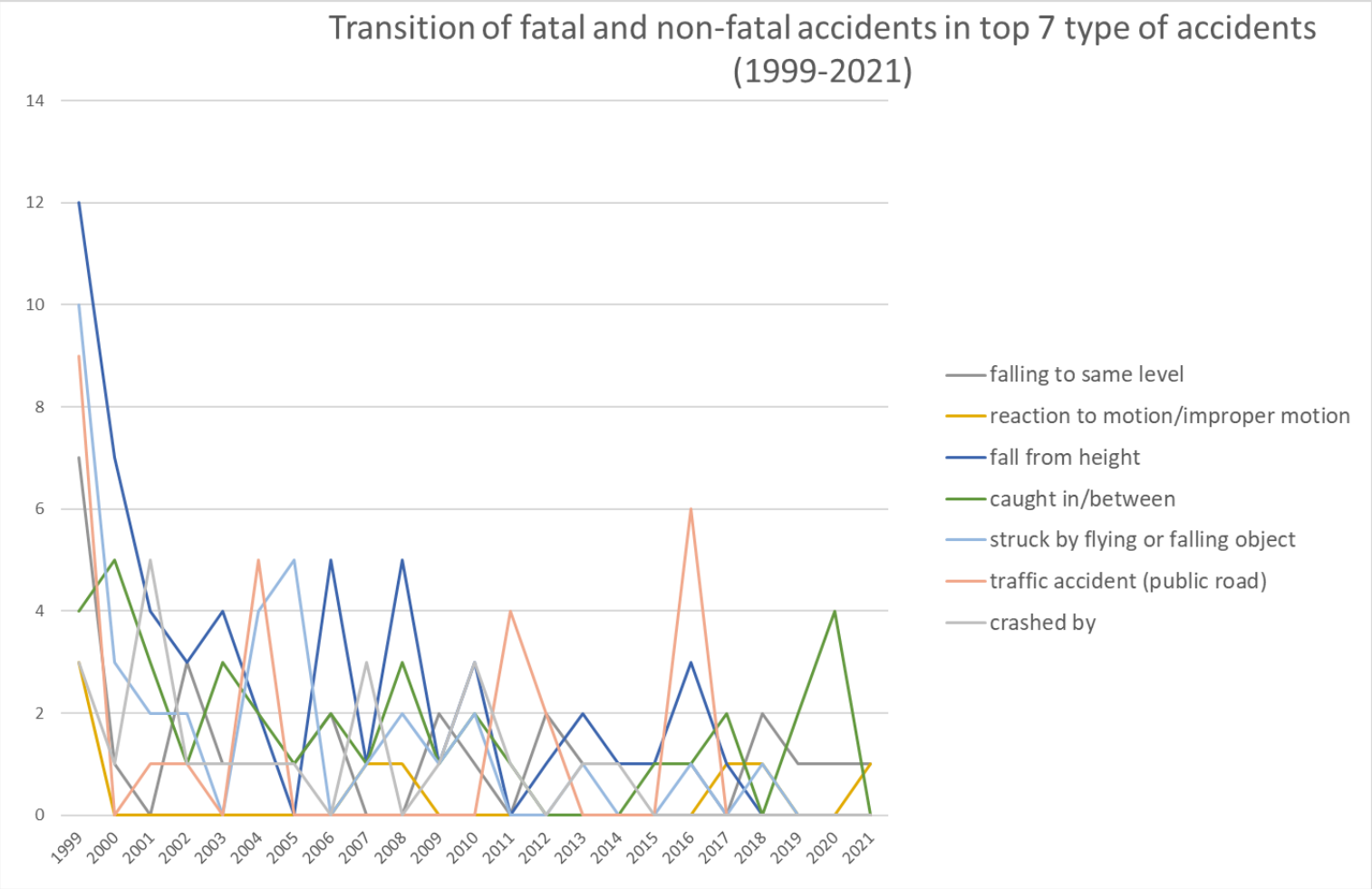
Transition of fatal and non-fatal accidents in large causal agents in code no. 030103 subway construction work (1999-2021)



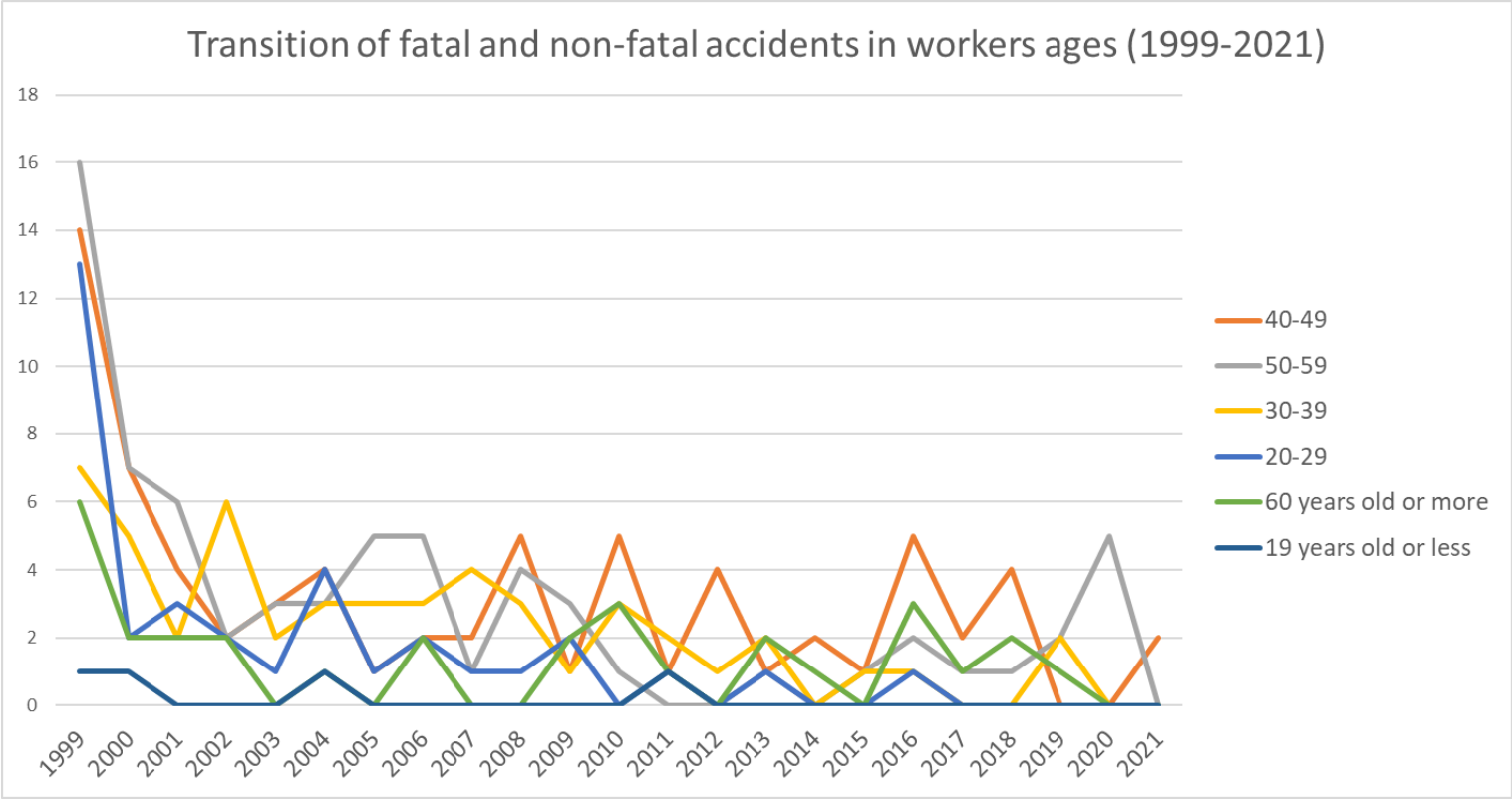
Transition of fatal and non-fatal accidents in middle causal agents in code no. 030103 subway construction work (1999-2021)



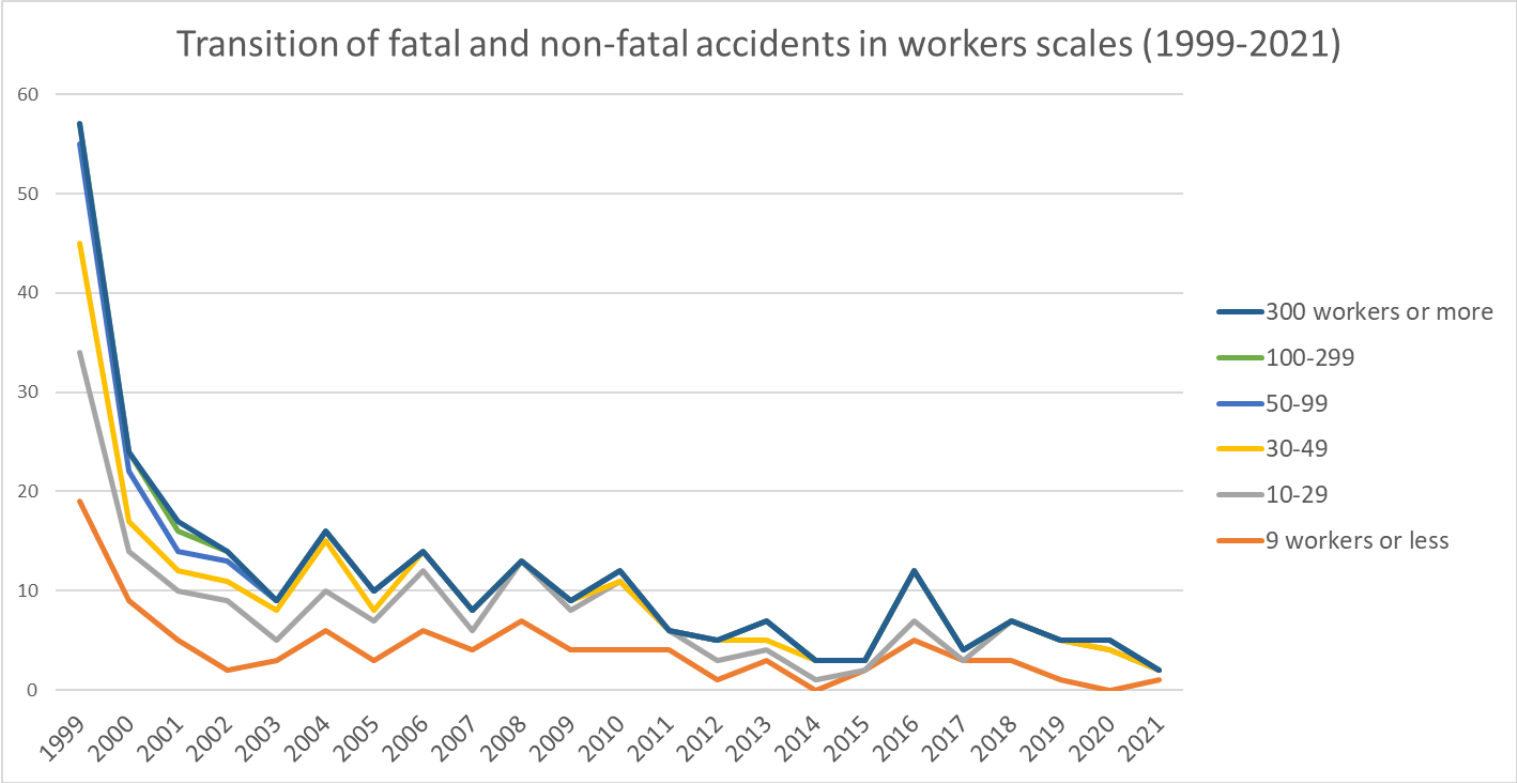
Transition of fatal and non-fatal accidents in small causal agents in code no. 030103 subway construction work (1999-2021)



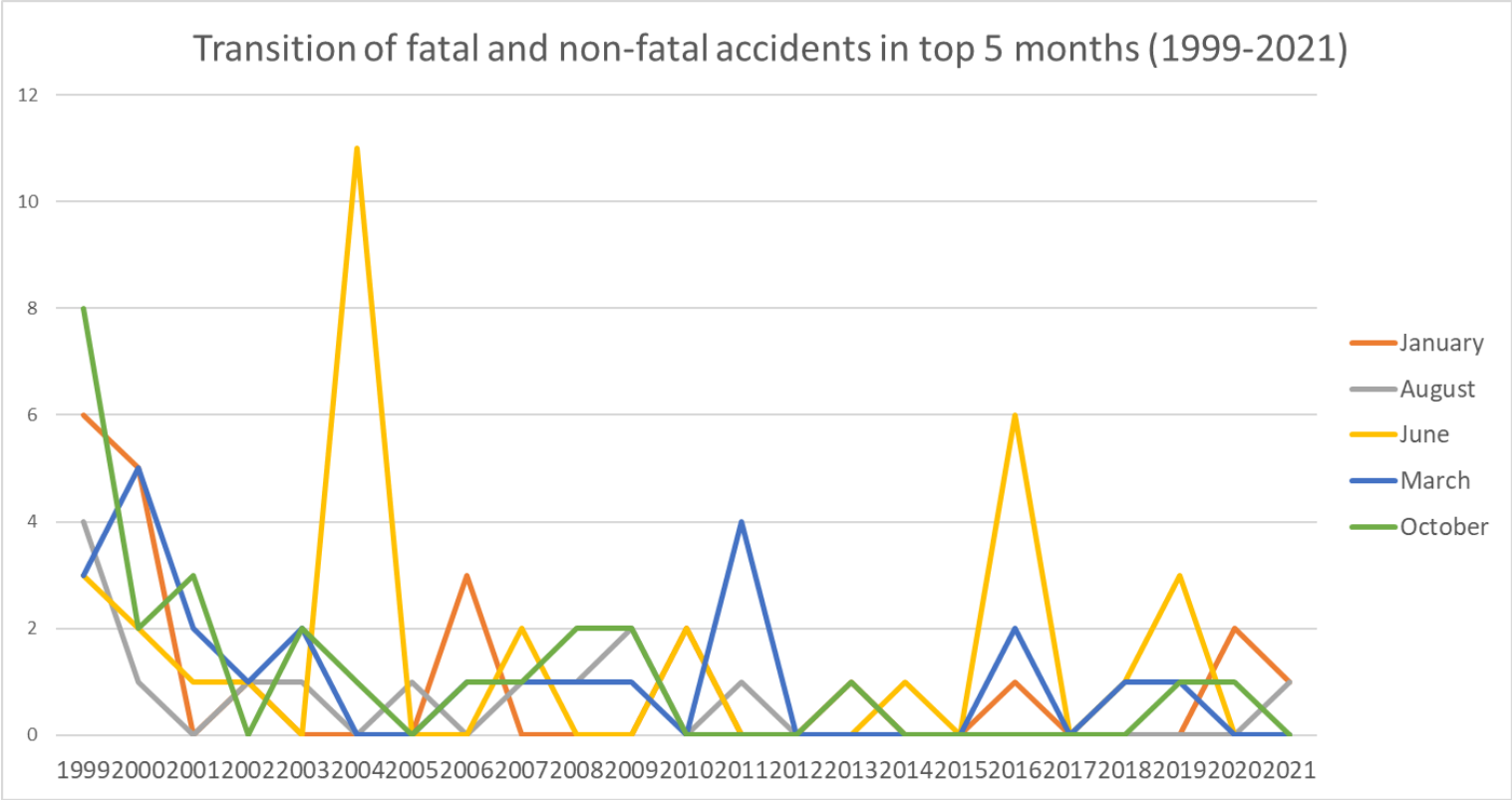
Transition of fatal and non-fatal accidents in type of accidents in code no. 030103 subway construction work (1999-2021)



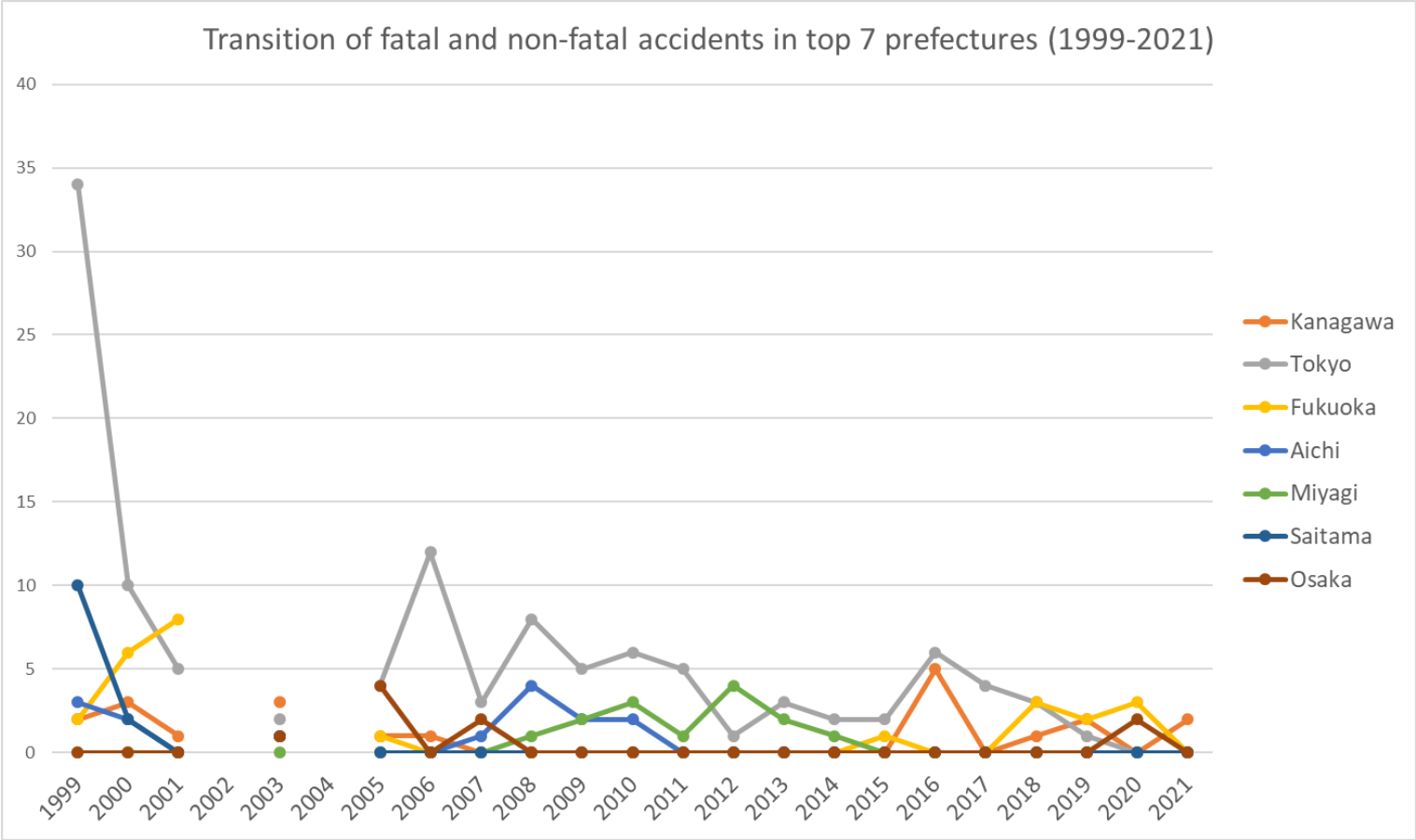
Transition of fatal and non-fatal accidents in workers ages in code no. 030103 subway construction work (1999-2021)



Transition of fatal and non-fatal accidents in workers scales in code no. 030103 subway construction work (1999-2021)



Transition of fatal and non-fatal accidents in months in code no. 030103 subway construction work (1999-2021)



Transition of fatal and non-fatal accidents in prefectures in code no. 030103 subway construction work (1999-2021)

Transition of fatal and non-fatal accidents in large causal agents in code no. 030103 subway construction work (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	14	8	6	5	3	4		7	1	4	2	4	1	1	4	1	2	3	1	4	1	1	2	79	temporary buildings, establishments
1	machine	2	3	2		3	2	2	2	3		2	2				1	1	1	2		3	2		33	machine
																										crane,

2	crane, conveying machine	15	2	4	2		5	2	2	2	2		1	4	3				7		1	1	1		54	conveying machine
3	other equipment	10	3	1	3	2	1	3	2		5	1	3			1			1	1	1				38	other equipment
5	substance, material	12	6	3		1	3	1	1	1	2	4	2	1		1					1				39	substance, material
6	load	2	1	1	2		1	1		1													1		10	load
7	environment				1			1							1		1								4	environment
9	others	2	1		1											1									5	others
	total	57	24	17	14	9	16	10	14	8	13	9	12	6	5	7	3	3	12	4	7	5	5	2	262	total

Transition of fatal and non-fatal accidents in middle causal agents in code no. 030103 subway construction work (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	14	8	6	5	3	4		7	1	4	2	4	1	1	4	1	2	3	1	4	1	1	2	79	temporary buildings, establishments
52	materials	12	4	3		1	3	1	1	1	1	4	2	1		1					1				36	materials
37	tools	7	2	1	1	2		2			4	1	2						1	1	1				25	tools
14	construction machine	1	2	2		2	1	2		1		1	2				1		1	1			2		19	construction machine
21	crane	4	1	3	1			2	1	2	1										1	1	1		18	crane
22	conveying machine	3	1				5		1		1		1	4	1				1						18	conveying machine

23	vehicle	8		1	1										2				6						18	vehicle
36	human power machine, tools	3			2		1	1	2		1					1									11	human power machine, tools
61	load	2	1	1	2		1	1		1													1		10	load
13	woodworking machine	1				1	1		1	1		1													6	woodworking machine
16	general machine		1							1								1				2			5	general machine
71	natural environment				1			1							1		1								4	natural environment
92	no causal agent	2	1		1																				4	no causal agent
15	metal manufacturing machine								1											1		1			3	metal manufacturing machine
51	hazards, harmful substances		2								1														3	hazards, harmful substances
35	electric equipment		1										1												2	electric equipment
91	other causal agent															1									1	other causal agent
11	engine																									engine
12	power transmission mechanism																									power transmission

																											mechanism
17	mobile silviculture machine																										mobile silviculture machine
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
99	unclassifiable																										unclassifiable
	total	57	24	17	14	9	16	10	14	8	13	9	12	6	5	7	3	3	12	4	7	5	5	2	262	total

Transition of fatal and non-fatal accidents in small causal agents in code no. 030103 subway construction work (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
411	scaffolding			1		2			2		1		1			1						1		1	10	scaffolding
417	passage								2										1	1	1		1	1	7	passage
521	metal material			3				1	1			2	2	1		1					1				12	metal material
212	mobile crane			2				2		1	1										1	1	1		9	mobile crane
231	cars, bus, motorcycle			1											2				6						9	cars, bus, motorcycle
412	timbering			2		1			1		1	2	1					1							9	timbering

142	excavating machine			1		1				1			2						1				2		8	excavating machine
371	ladder					1					4	1							1	1					8	ladder
221	truck								1					4	1				1						7	truck
413	stairs, landing stage												1			2					3				6	stairs, landing stage
418	building, establishment			1							2					1	1		1						6	building, establishment
372	slinging tool			1				2					2												5	slinging tool
169	other general power machines									1								1				2			4	other general power machines
419	other temporary buildings, establishments								1					1				1	1						4	other temporary buildings, establishments
131	circular sawing machine								1	1		1													3	circular sawing machine
153	grinding machine, buffing machine								1											1		1			3	grinding machine, buffing machine
414	opening			1					1				1												3	opening
416	working platform, boot board			1						1					1										3	working platform, boot board
523	stone, sand, substance									1		2													3	stone, sand, substance
611	load			1						1													1		3	load
141	leveling, transporting or			1		1																			2	leveling, transporting or

	loading machine																									loading machine
144	hardening machine																1			1					2	hardening machine
149	other construction machines							2																	2	other construction machines
219	other powered crane								1	1															2	other powered crane
362	human power hauling equipment							1								1									2	human power hauling equipment
364	hand tool								1		1														2	hand tool
379	other tools					1															1				2	other tools
719	other environments														1		1								2	other environments
139	other woodworking machines					1																			1	other woodworking machines
145	demolition machine											1													1	demolition machine
211	crane			1																					1	crane
223	railway equipment												1												1	railway equipment
229	other powered conveying machines										1														1	other powered conveying machines
359	other electrical equipment												1												1	other electrical equipment
361	human power cranes								1																1	human power cranes
514	harmful substance										1														1	harmful substance
522	lumber, bamboo					1																			1	lumber, bamboo

529	other materials										1															1	other materials
612	machine/equipment as load							1																		1	machine/equipment as load
711	natural ground, rock							1																		1	natural ground, rock
911	other causal agent															1										1	other causal agent
111	engine																										engine
121	power transmission mechanism																										power transmission mechanism
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
143	foundation work machine																										foundation work machine
146	vehicle for high lift work																										vehicle for high lift work

151	lathe																									lathe
152	drill press, milling machine																									drill press, milling 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
	skyline yarding																									skyline yarding

173	machine																									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 cableway																									lumberyard equipment, logging cableway
218	simple skyline yarding equipment																									simple skyline yarding equipment
222	forklift																									forklift
224	conveyor																									conveyor
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

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
363	human power machine																									human power machine
391	other equipment, facilities																									other equipment, facilities
415	roof, beam, haze, crossbeam, principal rafter																									roof, beam, haze, crossbeam, principal rafter
511	explosive substance																									explosive substance
512	inflammable substance																									inflammable substance
513	inflammable gas																									inflammable gas
515	radiation																									radiation

519	other hazards, harmful substances																										other hazards, harmful substances
712	standing tree																										standing tree
713	water																										water
714	abnormal environment																										abnormal environment
715	high/cold temperature environment																										high/cold temperature environment
921	no causal agent																										no causal agent
999	unclassifiable																										unclassifiable
	total			17		9		10	14	8	13	9	12	6	5	7	3	3	12	4	7	5	5	2	151		total

Transition of fatal and non-fatal accidents in type of accidents in code no. 030103 subway construction work (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
02	falling to same level	7	1		3	1	1	1	2			2	1		2	1	1	1	1		2	1	1	1	30	falling to same level
19	reaction to motion/improper motion	3								1	1									1	1			1	8	reaction to motion/improper motion
01	fall from height	12	7	4	3	4	2		5	1	5	1	3		1	2	1	1	3	1					56	fall from height
07	caught in/between	4	5	3	1	3	2	1	2	1	3	1	2	1				1	1	2		2	4		39	caught in/between
04	struck by flying or	10	3	2	2		4	5		1	2	1	2			1			1		1				35	struck by flying

	falling object																									or falling object
17	traffic accident (public road)	9		1	1		5							4	2				6						28	traffic accident (public road)
06	crashed by	3	1	5	1	1	1	1		3		1	3	1		1	1								23	crashed by
05	collapse	5	2	2	1			1	1		1														13	collapse
03	crash	3	2		1			1				1				1					2	1			12	crash
08	cut	1					1		3	1		1									1	1			9	cut
11	contact to high/low-temperature		2																						2	contact to high/low-temperature
12	contact to harmful substance										1	1													2	contact to harmful substance
13	electric shock		1										1												2	electric shock
09	injury to the sole of the foot								1																1	injury to the sole of the foot
10	drown				1																				1	drown
90	others															1									1	others
14	explosion																									explosion
15	burst																									burst
16	fire																									fire
18	traffic accident (others)																									traffic accident (others)
99	unclassifiable																									unclassifiable

	total	57	24	17	14	9	16	10	14	8	13	9	12	6	5	7	3	3	12	4	7	5	5	2	262	total

Transition of fatal and non-fatal accidents in workers ages in code no. 030103 subway construction work (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	14	7	4	2	3	4	1	2	2	5	1	5	1	4	1	2	1	5	2	4			2	72	40-49
5	50-59	16	7	6	2	3	3	5	5	1	4	3	1			1		1	2	1	1	2	5		69	50-59
3	30-39	7	5	2	6	2	3	3	3	4	3	1	3	2	1	2		1	1			2			51	30-39
2	20-29	13	2	3	2	1	4	1	2	1	1	2		1		1			1						35	20-29
6	60 years old or more	6	2	2	2		1		2			2	3	1		2	1		3	1	2	1			31	60 years old or more
1	19 years old or less	1	1				1							1											4	19 years old or less
	total	57	24	17	14	9	16	10	14	8	13	9	12	6	5	7	3	3	12	4	7	5	5	2	262	total

Transition of fatal and non-fatal accidents in workers scales in code no. 030103 subway construction work (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
1	9 workers or less	19	9	5	2	3	6	3	6	4	7	4	4	4	1	3		2	5	3	3	1		1	95	9 workers or less
2	10-29	15	5	5	7	2	4	4	6	2	6	4	7	2	2	1	1		2		4	4	4	1	88	10-29
3	30-49	11	3	2	2	3	5	1	2	2		1			2	1	2	1	5	1					44	30-49
4	50-99	10	5	2	2	1	1	2					1			2							1		27	50-99
5	100-299	2	2	2	1																				7	100-299
6	300 workers or more			1																					1	300 workers or more
	total	57	24	17	14	9	16	10	14	8	13	9	12	6	5	7	3	3	12	4	7	5	5	2	262	total

Transition of fatal and non-fatal accidents in months in code no. 030103 subway construction work (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
1	January	6	5		1				3				2			1			1				2	1	22	January
8	August	4	1		1	1		1		1	1	2		1										1	14	August
6	June	3	2	1	1		11			2			2				1		6		1	3			33	June
3	March	3	5	2	1	2			1	1	1	1		4					2		1	1			25	March
10	October	8	2	3		2	1		1	1	2	2				1						1	1		25	October
11	November	4	1	3	2	1			1		1	2	1	1	2	1	1	1	1	1	1				25	November
7	July	8	1	1	2			2	3		2								1	1	1		1		23	July
5	May	9	3		2			1	1				3							1	1				21	May
4	April	4	1	1	2		2	1	1	3		1	2					1		1					20	April
2	February	2		1	1		2	3	2		1				2	2	1	1							18	February
9	September	5	3	1	1	1		1	1		2					1					2				18	September
12	December	1		4		2		1			3	1	2		1	1			1				1		18	December
	total	57	24	17	14	9	16	10	14	8	13	9	12	6	5	7	3	3	12	4	7	5	5	2	262	total

Transition of fatal and non-fatal accidents in prefectures in code no. 030103 subway construction work (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
14	Kanagawa	2	3	1		3		1	1										5		1	2		2	21	Kanagawa
13	Tokyo	34	10	5		2		4	12	3	8	5	6	5	1	3	2	2	6	4	3	1			116	Tokyo
40	Fukuoka	2	6	8		1		1										1			3	2	3		27	Fukuoka
23	Aichi	3	2			1				1	4	2	2												15	Aichi
4	Miyagi										1	2	3	1	4	2	1								14	Miyagi
11	Saitama	10	2			1																			13	Saitama

27	Osaka					1		4		2													2		9	Osaka
28	Hyogo	5	1													1									7	Hyogo
12	Chiba	1		1						1															3	Chiba
26	Kyoto			1					1																2	Kyoto
6	Yamagata												1												1	Yamagata
9	Tochigi			1																					1	Tochigi
22	Shizuoka															1									1	Shizuoka
24	Mie									1															1	Mie
47	Okinawa																		1						1	Okinawa
1	Hokkaido																									Hokkaido
2	Aomori																									Aomori
3	Iwate																									Iwate
5	Akita																									Akita
7	Fukushima																									Fukushima
8	Ibaraki																									Ibaraki
10	Gunma																									Gunma
15	Niigata																									Niigata
16	Toyama																									Toyama
17	Ishikawa																									Ishikawa
18	Fukui																									Fukui
19	Yamanashi																									Yamanashi
20	Nagano																									Nagano
21	Gifu																									Gifu

25	Shiga																									Shiga
29	Nara																									Nara
30	Wakayama																									Wakayama
31	Tottori																									Tottori
32	Shimane																									Shimane
33	Okayama																									Okayama
34	Hiroshima																									Hiroshima
35	Yamaguchi																									Yamaguchi
36	Tokushima																									Tokushima
37	Kagawa																									Kagawa
38	Ehime																									Ehime
39	Kochi																									Kochi
41	Saga																									Saga
42	Nagasaki																									Nagasaki
43	Kumamoto																									Kumamoto
44	Oita																									Oita
45	Miyazaki																									Miyazaki
46	Kagoshima																									Kagoshima
	total	57	24	17		9		10	14	8	13	9	12	6	5	7	3	3	12	4	7	5	5	2	232	total

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

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