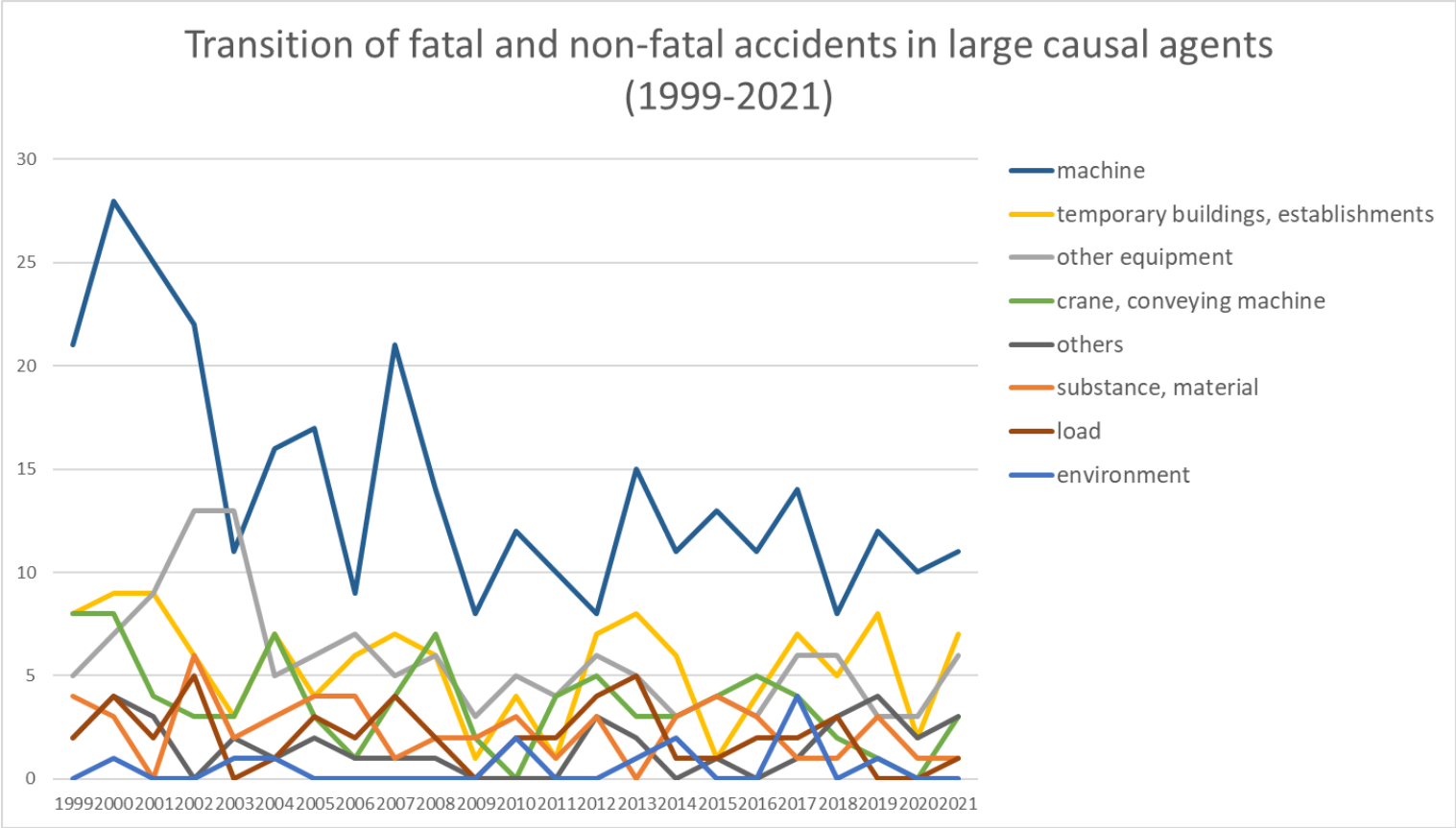
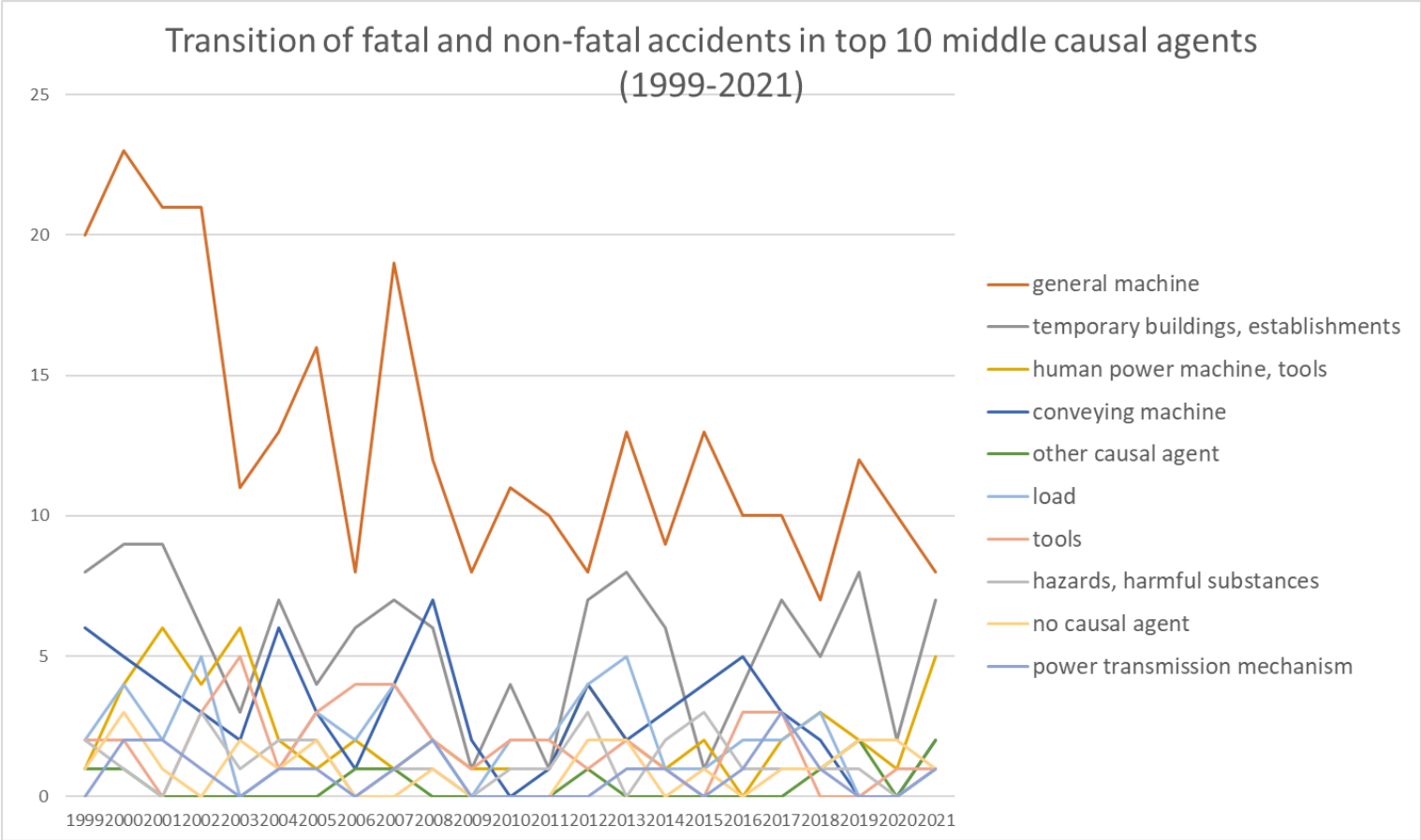
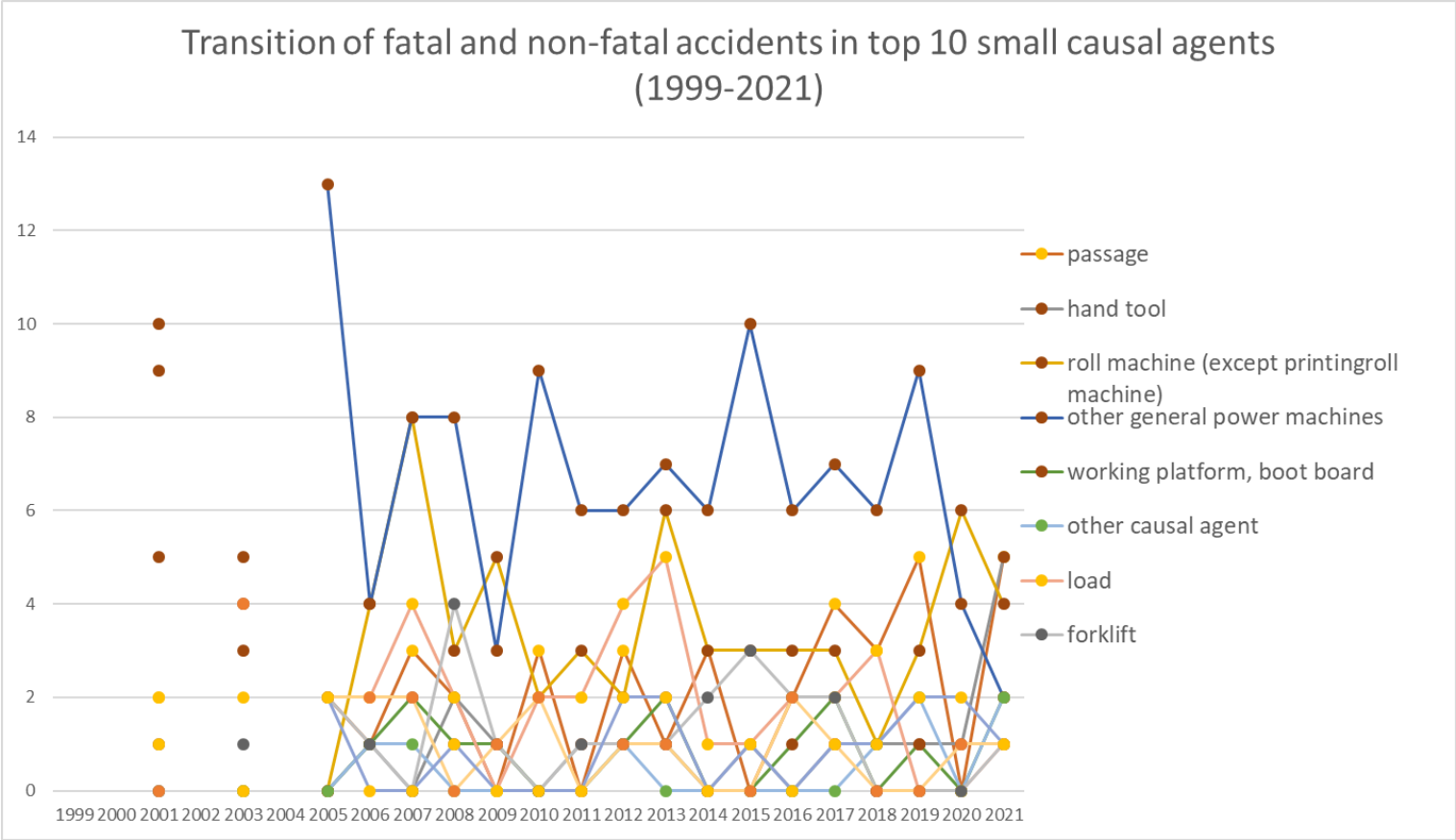
Transition of fatal and non-fatal accidents in each element like as causal agents, type of accidents, etc. in code no. 010802 chemical fiber (1999-2021)



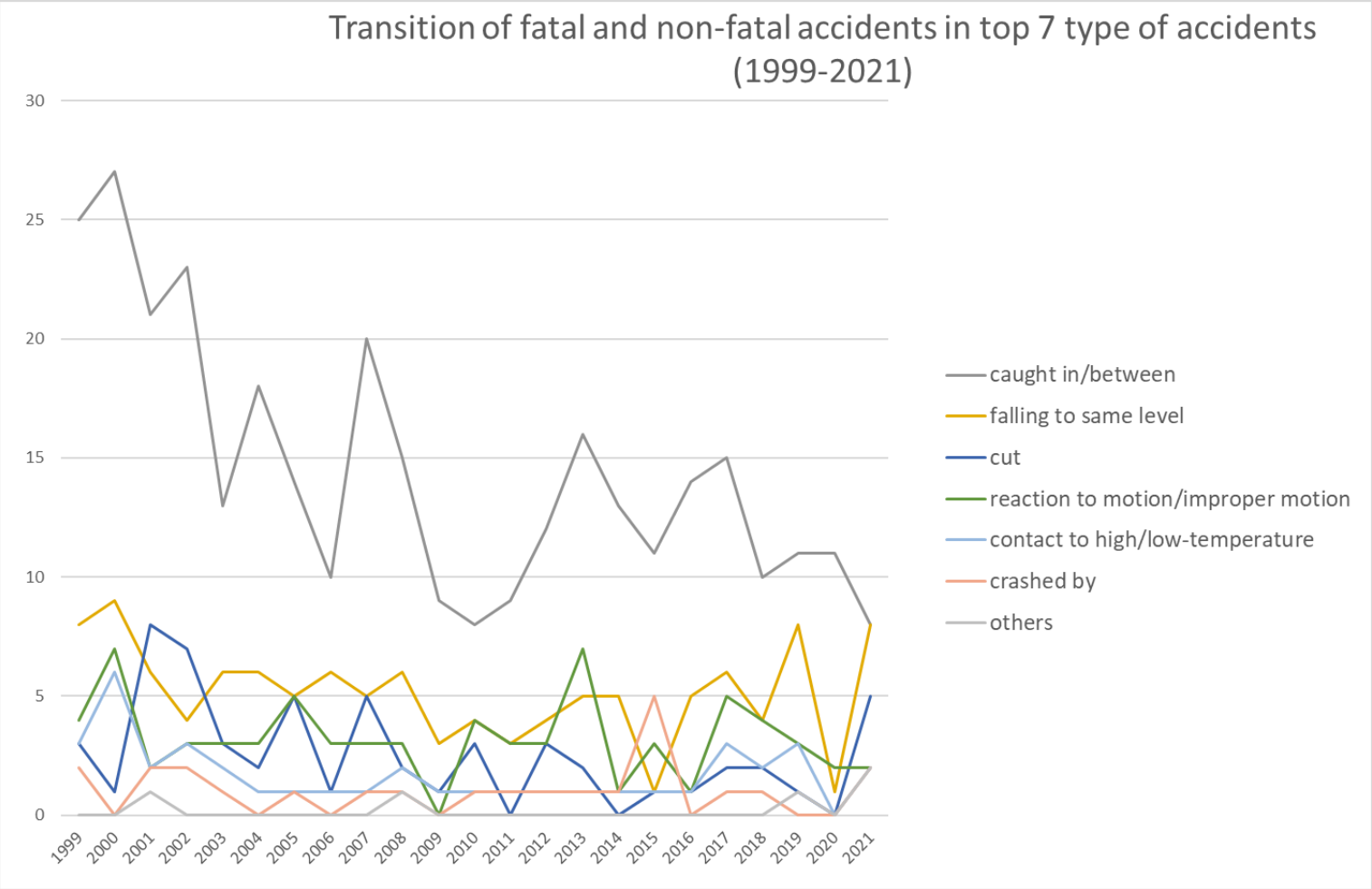
Transition of fatal and non-fatal accidents in large causal agents in code no. 010802 chemical fiber (1999-2021)



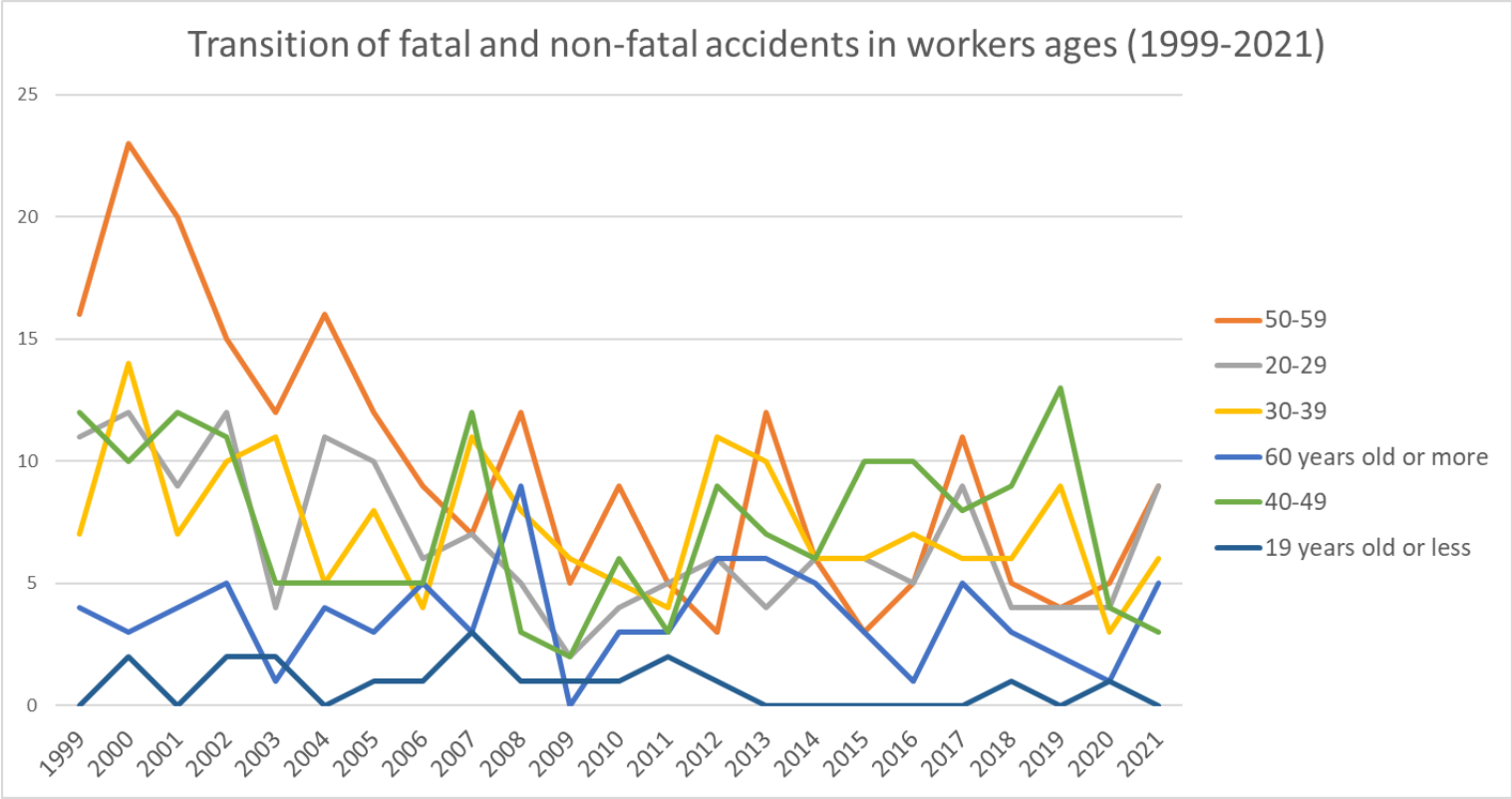
Transition of fatal and non-fatal accidents in middle causal agents in code no. 010802 chemical fiber (1999-2021)



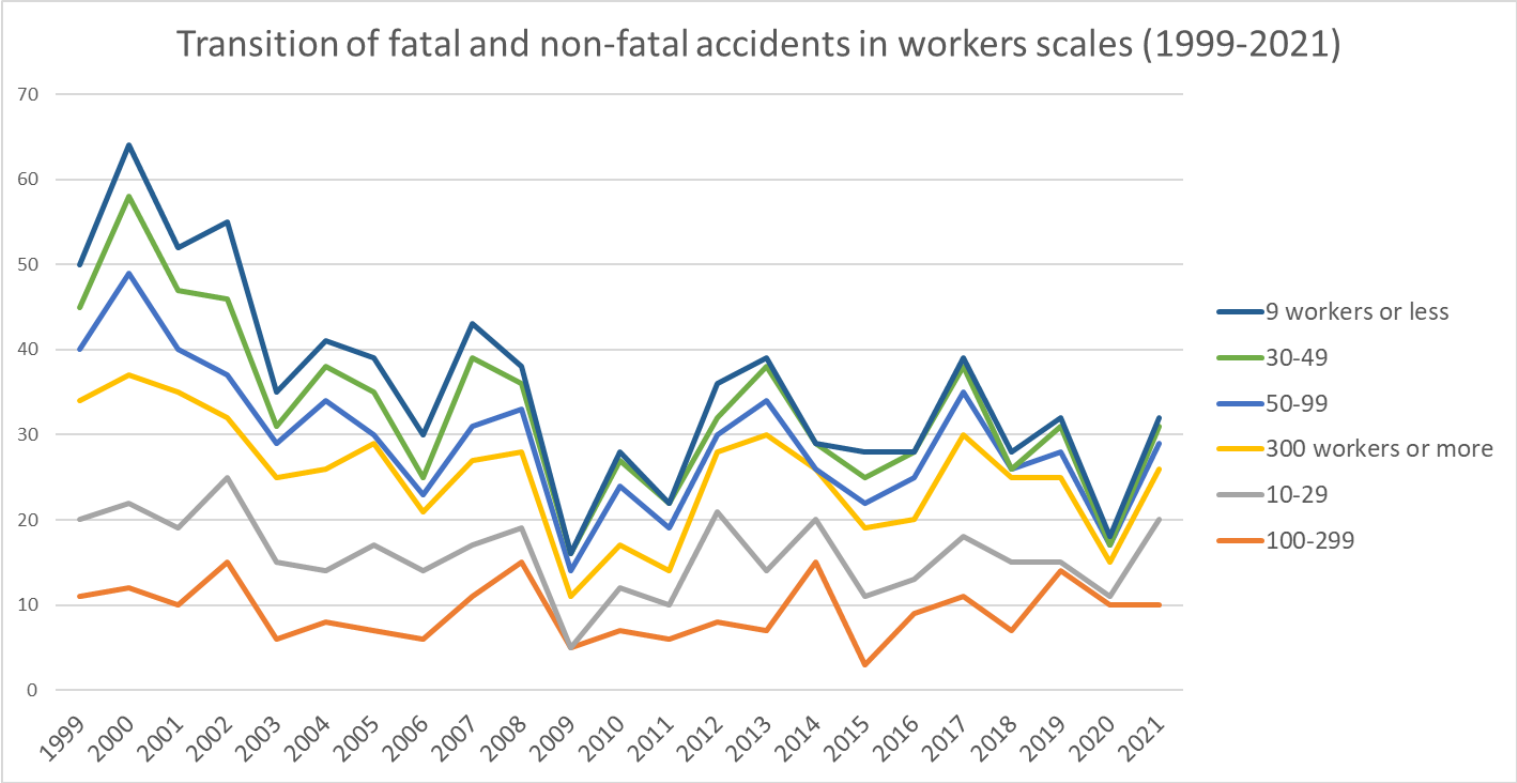
Transition of fatal and non-fatal accidents in small causal agents in code no. 010802 chemical fiber (1999-2021)



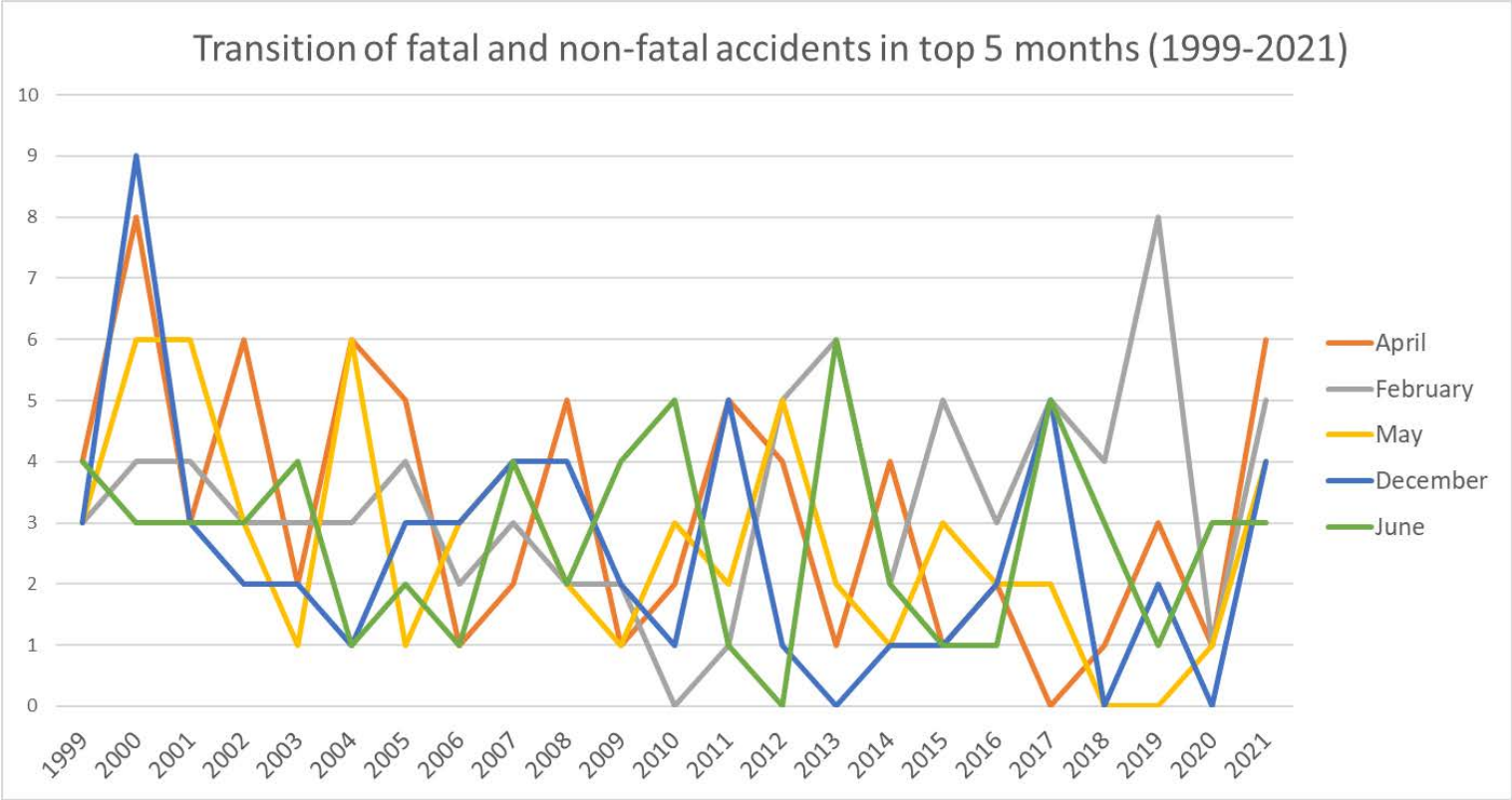
Transition of fatal and non-fatal accidents in type of accidents in code no. 010802 chemical fiber (1999-2021)



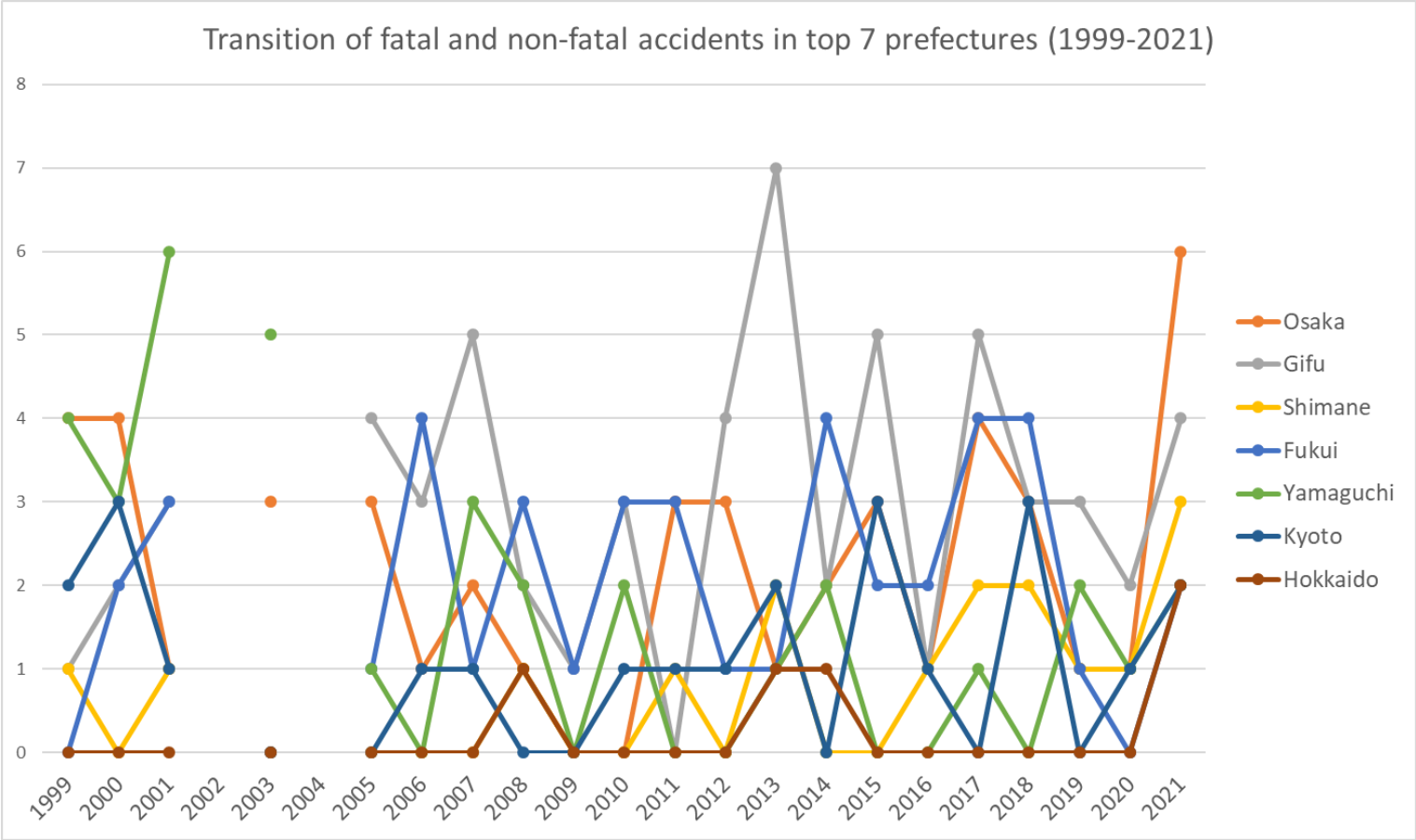
Transition of fatal and non-fatal accidents in workers ages in code no. 010802 chemical fiber (1999-2021)



Transition of fatal and non-fatal accidents in workers scales in code no. 010802 chemical fiber (1999-2021)



Transition of fatal and non-fatal accidents in months in code no. 010802 chemical fiber (1999-2021)



Transition of fatal and non-fatal accidents in prefectures in code no. 010802 chemical fiber (1999-2021)

Transition of fatal and non-fatal accidents in large causal agents in code no. 010802 chemical fiber (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	21	28	25	22	11	16	17	9	21	14	8	12	10	8	15	11	13	11	14	8	12	10	11	327	machine
4	temporary buildings, establishments	8	9	9	6	3	7	4	6	7	6	1	4	1	7	8	6	1	4	7	5	8	2	7	126	temporary buildings, establishments
																										other

3	other equipment	5	7	9	13	13	5	6	7	5	6	3	5	4	6	5	3	4	3	6	6	3	3	6	133	equipment
2	crane, conveying machine	8	8	4	3	3	7	3	1	4	7	2		4	5	3	3	4	5	4	2	1		3	84	crane, conveying machine
9	others	2	4	3		2	1	2	1	1	1				3	2		1		1	3	4	2	3	36	others
5	substance, material	4	3		6	2	3	4	4	1	2	2	3	1	3		3	4	3	1	1	3	1	1	55	substance, material
6	load	2	4	2	5		1	3	2	4	2		2	2	4	5	1	1	2	2	3			1	48	load
7	environment		1			1	1						2			1	2			4		1			13	environment
	total	50	64	52	55	35	41	39	30	43	38	16	28	22	36	39	29	28	28	39	28	32	18	32	822	total

Transition of fatal and non-fatal accidents in middle causal agents in code no. 010802 chemical fiber (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
16	general machine	20	23	21	21	11	13	16	8	19	12	8	11	10	8	13	9	13	10	10	7	12	10	8	293	general machine
41	temporary buildings, establishments	8	9	9	6	3	7	4	6	7	6	1	4	1	7	8	6	1	4	7	5	8	2	7	126	temporary buildings, establishments
36	human power machine, tools	1	4	6	4	6	2	1	2	1	2	1	1	1	4	2	1	2		2	3	2	1	5	54	human power machine, tools
22	conveying machine	6	5	4	3	2	6	3	1	4	7	2		1	4	2	3	4	5	3	2			2	69	conveying machine
91	other causal agent	1	1						1	1					1						1	2		2	10	other causal agent

61	load	2	4	2	5		1	3	2	4	2		2	2	4	5	1	1	2	2	3			1	48	load
37	tools	2	2		3	5	1	3	4	4	2	1	2	2	1	2	1		3	3			1	1	43	tools
51	hazards, harmful substances	2	1		3	1	2	2		1	1		1	1	3		2	3	1	1	1	1		1	28	hazards, harmful substances
92	no causal agent	1	3	1		2	1	2			1				2	2		1		1	1	2	2	1	23	no causal agent
12	power transmission mechanism		2	2	1		1	1		1	2					1	1		1	3	1			1	18	power transmission mechanism
23	vehicle		2			1	1							3	1					1				1	10	vehicle
11	engine						1																	1	2	engine
13	woodworking machine			1																				1	2	woodworking machine
52	materials	2	2		3	1	1	2	4		1	2	2				1	1	2			2	1		27	materials
39	other equipments, facilities			3	3	2	1	2	1		2		1	1	1		1	2		1		1			22	other equipments, facilities
71	natural environment		1			1	1						2			1	2			4		1			13	natural environment
15	metal manufacturing machine	1	3	1			1		1	1						1	1								10	metal manufacturing machine
32	chemical facilities	2	1		1		1																1		6	chemical facilities

21	crane	2	1													1						1			5	crane
31	pressure vessel				1							1									1				3	pressure vessel
34	kiln, caldron				1								1			1									3	kiln, caldron
99	unclassifiable			2																	1				3	unclassifiable
14	construction machine												1							1					2	construction machine
35	electric equipment																				2				2	electric equipment
17	mobile silviculture machine																									mobile silviculture machine
33	welding equipment																									welding equipment
	total	50	64	52	55	35	41	39	30	43	38	16	28	22	36	39	29	28	28	39	28	32	18	32	822	total

Transition of fatal and non-fatal accidents in small causal agents in code no. 010802 chemical fiber (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			2				2	1	3	2		3		3	1	3		2	4	3	5		5	39	passage
364	hand tool			5		3			1		2	1		1	1	1		1		1	1	1	1	5	25	hand tool
163	roll machine (except printingroll machine)			9		4			4	8	3	5	2	3	2	6	3	3	3	3	1	3	6	4	72	roll machine (except printingroll machine)
169	other general power machines			10		5		13	4	8	8	3	9	6	6	7	6	10	6	7	6	9	4	2	129	other general power machines

416	working platform, boot board			1					1	2	1	1			1	2			1	2		1		2	15	working platform, boot board
911	other causal agent								1	1					1						1	2		2	8	other causal agent
611	load			2				2	2	4	2		2	2	4	5	1	1	2	2	3			1	35	load
222	forklift					1		2	1		4	1		1	1	1	2	3	2	2				1	22	forklift
371	ladder					4		2	2	2		1	2		1	1			2	1			1	1	20	ladder
921	no causal agent			1		2		2			1				2	2		1		1	1	2	2	1	18	no causal agent
121	power transmission mechanism			2				1		1	2					1	1		1	3	1			1	14	power transmission mechanism
224	conveyor			1		1		1		1	1	1			3	1	1	1			1			1	14	conveyor
166	printing machine			1		2		2																1	6	printing machine
131	circular sawing machine			1																				1	2	circular sawing machine
239	other vehicles																			1				1	2	other vehicles
111	engine																							1	1	engine
167	industrial robot																							1	1	industrial robot
513	inflammable gas																							1	1	inflammable gas
391	other equipment, facilities			3		2		2	1		2		1	1	1		1	2		1		1			18	other equipment, facilities
362	human power hauling equipment			1		3		1	1				1		3	1	1			1	2	1			16	human power hauling equipment
413	stairs, landing stage			1				1	1	2	2			1		2	1	1	1		1	1	1		16	stairs, landing stage
418	building, establishment			4		1			2		1				3	1	1					1			14	building, establishment

379	other tools					1		1		2	2			2		1	1		1	2					13	other tools
514	harmful substance							1		1					3			2	1			1			9	harmful substance
519	other hazards, harmful substances					1		1			1		1	1			2	1		1					9	other hazards, harmful substances
529	other materials								1		1	1	2				1	1	1			1			9	other materials
221	truck			2						1	1								2	1	1				8	truck
419	other temporary buildings, establishments			1		1		1								2				1	1		1		8	other temporary buildings, establishments
521	metal material					1		1	3			1										1	1		8	metal material
162	mixer, grinder			1				1		2				1					1						6	mixer, grinder
719	other environments					1							2				1			2					6	other environments
229	other powered conveying machines			1						2	1								1						5	other powered conveying machines
231	cars, bus, motorcycle					1								3	1										5	cars, bus, motorcycle
715	high/cold temperature environment																1			2		1			4	high/cold temperature environment
154	power press			1					1	1															3	power press
411	scaffolding					1							1				1								3	scaffolding
999	unclassifiable			2																	1				3	unclassifiable
161	centrifugal machine									1	1														2	centrifugal machine
211	crane															1						1			2	crane

342	industrial dryer												1			1									2	industrial dryer
352	electric power facilities																				2				2	electric power facilities
372	slinging tool								2																2	slinging tool
522	lumber, bamboo							1											1						2	lumber, bamboo
145	demolition machine																			1					1	demolition machine
146	vehicle for high lift work												1												1	vehicle for high lift work
151	lathe															1									1	lathe
153	grinding machine, buffing machine																1								1	grinding machine, buffing machine
312	pressure vessel											1													1	pressure vessel
319	other pressure vessels																				1				1	other pressure vessels
321	chemical facilities																						1		1	chemical facilities
361	human power cranes																	1							1	human power cranes
363	human power machine									1															1	human power machine
415	roof, beam, haze, crossbeam, principal rafter								1																1	roof, beam, haze, crossbeam, principal rafter
512	inflammable substance																				1				1	inflammable substance
	machine/equipment																									machine/equipment

612	as load							1																		1	as load
712	standing tree															1										1	standing tree
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
149	other construction machines																										other construction machines

152	drill press, milling machine																									drill press, milling machine
155	forging pressure hammer																									forging pressure hammer
156	shearing machine																									shearing machine
159	other metal manufacturing machines																									other metal manufacturing machines
164	injection molding machine																									injection molding machine
165	food manufacturing machine																									food manufacturing machine
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
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
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
311	boiler																									boiler
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
349	other kiln, caldron																									other kiln, caldron
351	transmission																									transmission
359	other electrical equipment																									other electrical equipment

412	timbering																									timbering
414	opening																									opening
511	explosive substance																									explosive substance
515	radiation																									radiation
523	stone, sand, substance																									stone, sand, substance
711	natural ground, rock																									natural ground, rock
713	water																									water
714	abnormal environment																									abnormal environment
	total			52		35		39	30	43	38	16	28	22	36	39	29	28	28	39	28	32	18	32	612	total

Transition of fatal and non-fatal accidents in type of accidents in code no. 010802 chemical fiber (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	25	27	21	23	13	18	14	10	20	15	9	8	9	12	16	13	11	14	15	10	11	11	8	333	caught in/between
02	falling to same level	8	9	6	4	6	6	5	6	5	6	3	4	3	4	5	5	1	5	6	4	8	1	8	118	falling to same level
08	cut	3	1	8	7	3	2	5	1	5	2	1	3		3	2		1	1	2	2	1		5	58	cut
19	reaction to motion/improper motion	4	7	2	3	3	3	5	3	3	3		4	3	3	7	1	3	1	5	4	3	2	2	74	reaction to motion/improper motion
11	contact to high/low-	3	6	2	3	2	1	1	1	1	2	1	1	1	1	1	1	1	1	3	2	3		2	40	contact to high/low-

	temperature																									temperature
06	crashed by	2		2	2	1		1		1	1		1	1	1	1	1	5		1	1			2	24	crashed by
90	others			1							1											1		2	5	others
01	fall from height	3	6	5	3	6	1	5	4	5	2	1	6	2	4	4	3	1	4	3	3	2	2	1	76	fall from height
03	crash		2	1			3	1	1	1	4	1		1	1	2	1	1	1	2		2	1	1	27	crash
05	collapse		2		2		1			1					1									1	8	collapse
04	struck by flying or falling object	2	4	1	3		2	1	4		2			2	2	1	2	2		1	1	1			31	struck by flying or falling object
12	contact to harmful substance				1		2	1		1					3		2	2	1	1					14	contact to harmful substance
14	explosion				2																1		1		4	explosion
16	fire				2								1												3	fire
09	injury to the sole of the foot					1	1																		2	injury to the sole of the foot
10	drown			1																					1	drown
15	burst			1																					1	burst
17	traffic accident (public road)														1										1	traffic accident (public road)
18	traffic accident (others)						1																		1	traffic accident (others)
99	unclassifiable			1																					1	unclassifiable
13	electric shock																									electric shock
	total	50	64	52	55	35	41	39	30	43	38	16	28	22	36	39	29	28	28	39	28	32	18	32	822	total

Transition of fatal and non-fatal accidents in workers ages in code no. 010802 chemical fiber (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	16	23	20	15	12	16	12	9	7	12	5	9	5	3	12	6	3	5	11	5	4	5	9	224	50-59
2	20-29	11	12	9	12	4	11	10	6	7	5	2	4	5	6	4	6	6	5	9	4	4	4	9	155	20-29
3	30-39	7	14	7	10	11	5	8	4	11	8	6	5	4	11	10	6	6	7	6	6	9	3	6	170	30-39
6	60 years old or more	4	3	4	5	1	4	3	5	3	9		3	3	6	6	5	3	1	5	3	2	1	5	84	60 years old or more
4	40-49	12	10	12	11	5	5	5	5	12	3	2	6	3	9	7	6	10	10	8	9	13	4	3	170	40-49
1	19 years old or less		2		2	2		1	1	3	1	1	1	2	1						1		1		19	19 years old or less
	total	50	64	52	55	35	41	39	30	43	38	16	28	22	36	39	29	28	28	39	28	32	18	32	822	total

Transition of fatal and non-fatal accidents in workers scales in code no. 010802 chemical fiber (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	11	12	10	15	6	8	7	6	11	15	5	7	6	8	7	15	3	9	11	7	14	10	10	213	100-299
2	10-29	9	10	9	10	9	6	10	8	6	4		5	4	13	7	5	8	4	7	8	1	1	10	154	10-29
6	300 workers or more	14	15	16	7	10	12	12	7	10	9	6	5	4	7	16	6	8	7	12	10	10	4	6	213	300 workers or more
4	50-99	6	12	5	5	4	8	1	2	4	5	3	7	5	2	4		3	5	5	1	3	2	3	95	50-99
3	30-49	5	9	7	9	2	4	5	2	8	3	2	3	3	2	4	3	3	3	3		3		2	85	30-49
1	9 workers or less	5	6	5	9	4	3	4	5	4	2		1		4	1		3		1	2	1	1	1	62	9 workers or less
	total	50	64	52	55	35	41	39	30	43	38	16	28	22	36	39	29	28	28	39	28	32	18	32	822	total

Transition of fatal and non-fatal accidents in months in code no. 010802 chemical fiber (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
4	April	4	8	3	6	2	6	5	1	2	5	1	2	5	4	1	4	1	2		1	3	1	6	73	April
2	February	3	4	4	3	3	3	4	2	3	2	2		1	5	6	2	5	3	5	4	8	1	5	78	February
5	May	3	6	6	3	1	6	1	3	4	2	1	3	2	5	2	1	3	2	2			1	4	61	May
12	December	3	9	3	2	2	1	3	3	4	4	2	1	5	1		1	1	2	5		2		4	58	December
6	June	4	3	3	3	4	1	2	1	4	2	4	5	1		6	2	1	1	5	3	1	3	3	62	June
1	January	6	4	4	9	4	4	1	3	2	2	3	5	2	6	2	4	4	3	3	2		3	2	78	January
10	October	5	7	6	10	2	2	5	1	3	4	1	3	2	1	5	3	2	2	1	6	3	1	2	77	October
7	July	3	7	5	3	5	5	7	1	6	3		1		4	3	4	4		3	3	4	2	2	75	July
3	March	4	4	6	4		4	3	2	5	4			3	4	3	1	1	2	5	4	5	4	2	70	March
11	November	5	4	4	2	3	3	4	8	5	2	1	1		2	5	3	1	5	5	1	2	2	1	69	November
9	September	8	6	4	6	4	4	2	3	1	4		5		3	3	1	3	3	1	2	1		1	65	September
8	August	2	2	4	4	5	2	2	2	4	4	1	2	1	1	3	3	2	3	4	2	3			56	August
	total	50	64	52	55	35	41	39	30	43	38	16	28	22	36	39	29	28	28	39	28	32	18	32	822	total

Transition of fatal and non-fatal accidents in prefectures in code no. 010802 chemical fiber (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
27	Osaka	4	4	1		3		3	1	2	1			3	3	1	2	3	1	4	3	1	1	6	47	Osaka
21	Gifu	1	2	3				4	3	5	2	1	3		4	7	2	5	1	5	3	3	2	4	60	Gifu
32	Shimane	1		1							1			1		2			1	2	2	1	1	3	16	Shimane
18	Fukui		2	3				1	4	1	3	1	3	3	1	1	4	2	2	4	4	1		2	42	Fukui
35	Yamaguchi	4	3	6		5		1		3	2		2			1	2			1		2	1	2	35	Yamaguchi
26	Kyoto	2	3	1					1	1			1	1	1	2		3	1		3		1	2	23	Kyoto
1	Hokkaido										1					1	1							2	5	Hokkaido

38	Ehime	6	4	4		3		5	3	3	3	2	3	2	3	3	3	3	1	4	3	4	2	1	65	Ehime
33	Okayama	5	4	3		2		5	2	4	3	2	2	2	4	5	3	2	2	5	1	4	2	1	63	Okayama
23	Aichi	6	6	4		7		2	3	2	2	3	1	2	5	3		1	2	1		5	2	1	58	Aichi
25	Shiga		3	4		1		1	1	3	5			2	2	4	3		2	2		3		1	37	Shiga
16	Toyama	1	2	1		3		3		7	3		2	2	2	2	1	1	3	1				1	35	Toyama
9	Tochigi	1	2	3		2		1			2		4				2	2	1	1	1			1	23	Tochigi
22	Shizuoka	1	2	2					1	2	2		1	1	1		1	1	1	2	2			1	21	Shizuoka
36	Tokushima		3						1	1					1	2		2	1					1	12	Tokushima
17	Ishikawa			1													1		1	2	1		1	1	8	Ishikawa
2	Aomori		2																					1	3	Aomori
29	Nara										1													1	2	Nara
28	Hyogo	3	3	1		2		1		1	2		3		2	1	2	2	1	1	1	6	3		35	Hyogo
34	Hiroshima	4	1	3		1		2	1		2	3	1	1	2		1	1	4		1				28	Hiroshima
40	Fukuoka	2	1	4					1	3		1		1	1										14	Fukuoka
45	Miyazaki	2	2	1		1		1	3		1	1			1								1		14	Miyazaki
10	Gunma		2	1				4		2					1	2					1				13	Gunma
7	Fukushima							1		2			1			1	1			2	2				10	Fukushima
24	Mie	1	2	1		3						1										1			9	Mie
14	Kanagawa	1	3					3	1																8	Kanagawa
12	Chiba	1		1							1			1	1				2						7	Chiba
30	Wakayama			1		2			2	1										1					7	Wakayama
8	Ibaraki		1						1		1		1			1				1					6	Ibaraki
11	Saitama		3	1																		1			5	Saitama

13	Tokyo	3	2																						5	Tokyo
6	Yamagata								1														1		2	Yamagata
37	Kagawa		1									1													2	Kagawa
3	Iwate	1																							1	Iwate
15	Niigata																			1					1	Niigata
19	Yamanashi			1																					1	Yamanashi
20	Nagano							1																	1	Nagano
39	Kochi														1										1	Kochi
41	Saga		1																						1	Saga
4	Miyagi																									Miyagi
5	Akita																									Akita
31	Tottori																									Tottori
42	Nagasaki																									Nagasaki
43	Kumamoto																									Kumamoto
44	Oita																									Oita
46	Kagoshima																									Kagoshima
47	Okinawa																									Okinawa
	total	50	64	52		35		39	30	43	38	16	28	22	36	39	29	28	28	39	28	32	18	32	726	total

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