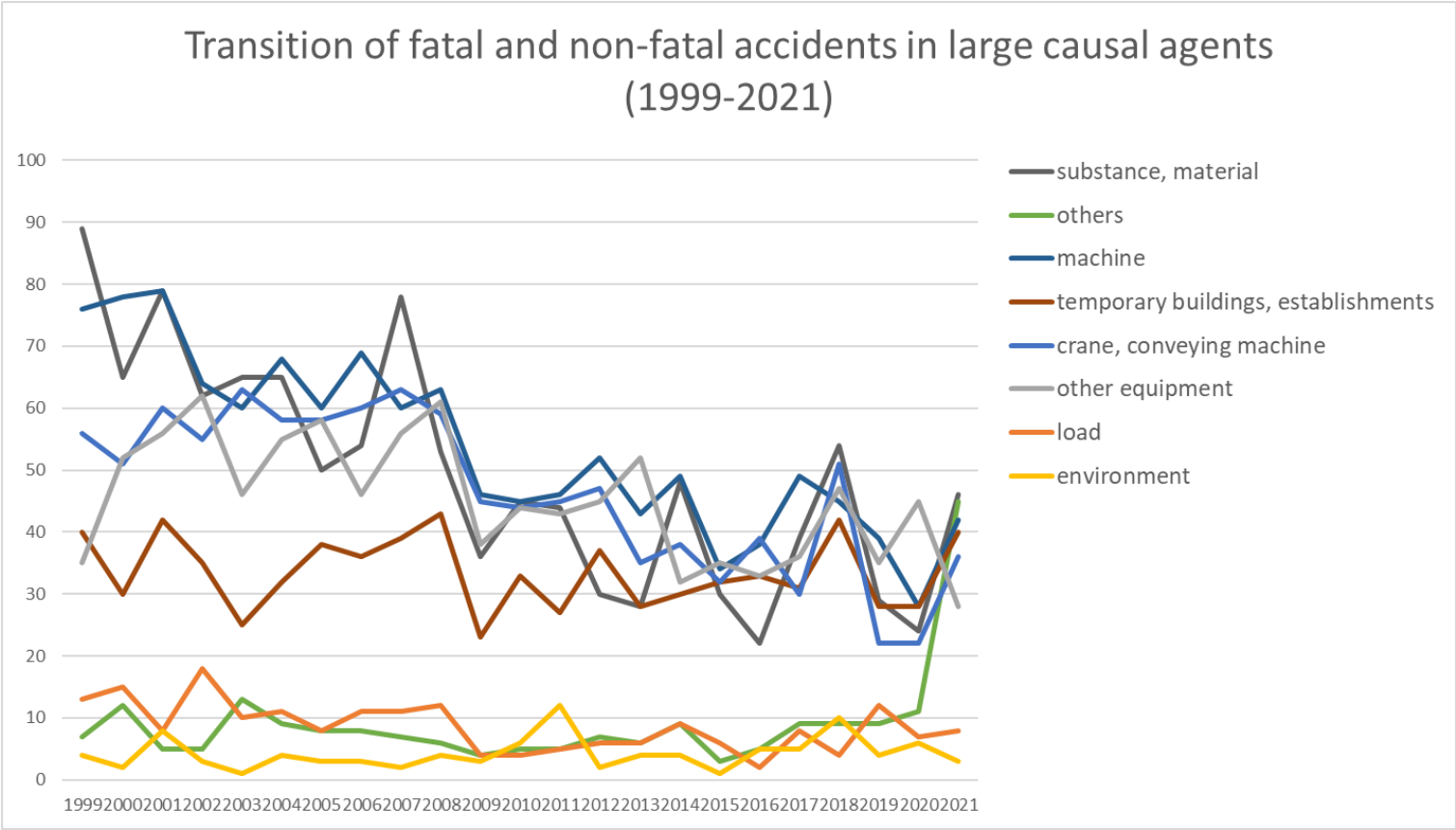
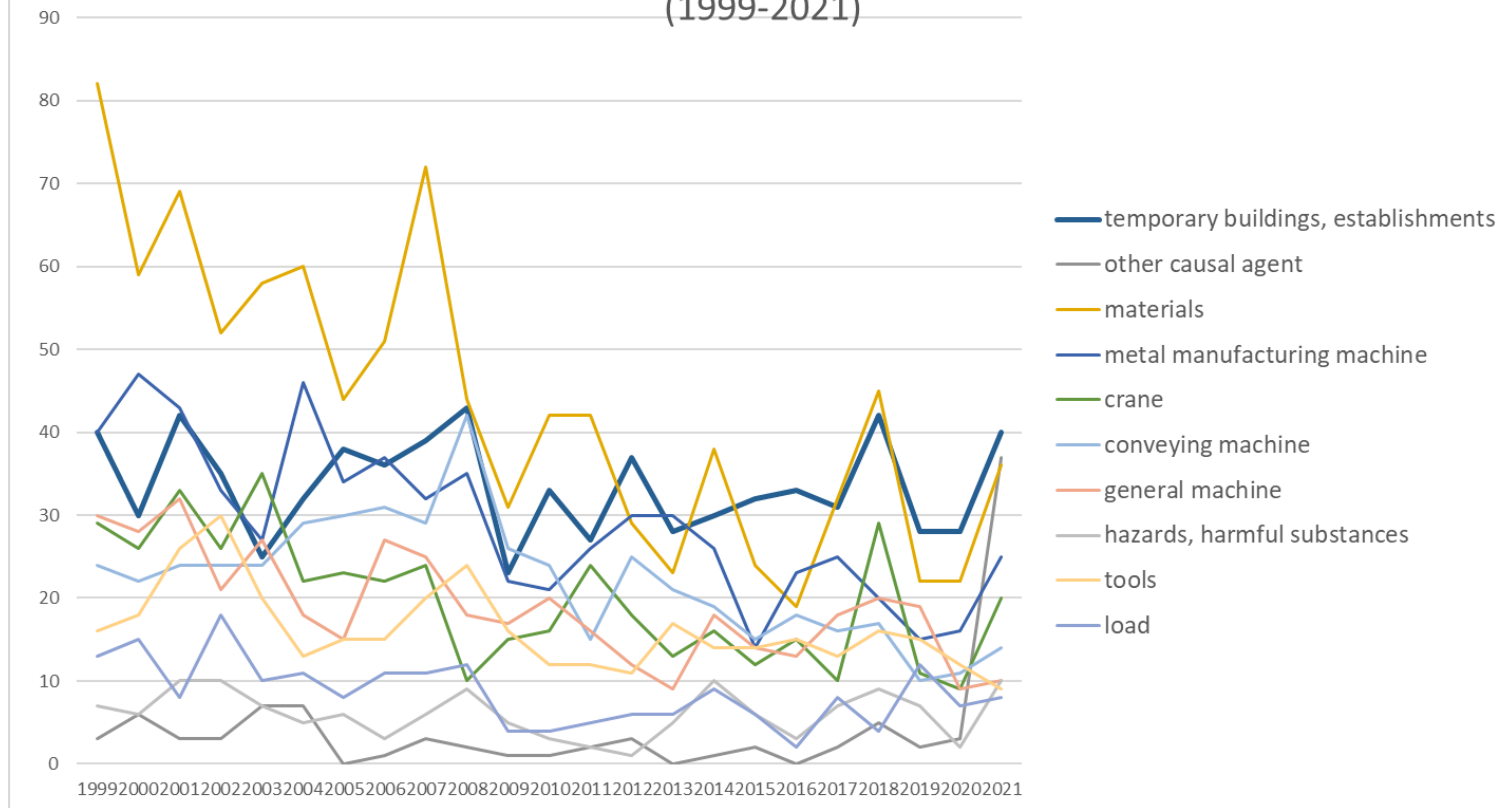


Transition of fatal and non-fatal accidents in each element like as causal agents, type of accidents, etc. in code no. 011001 steel/iron/rolling products (1999-2021)



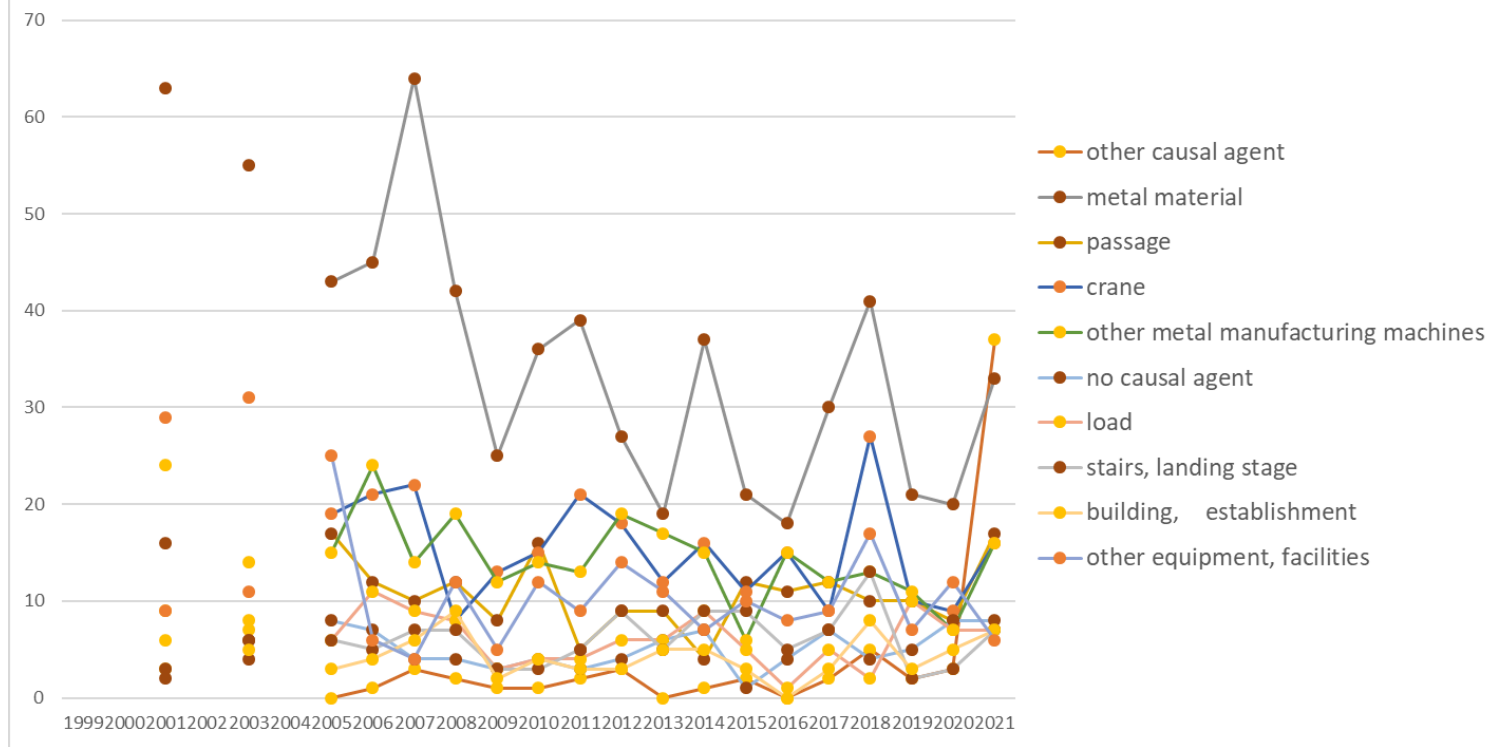
Transition of fatal and non-fatal accidents in large causal agents in code no. 011001 steel/iron/rolling products (1999-2021)

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

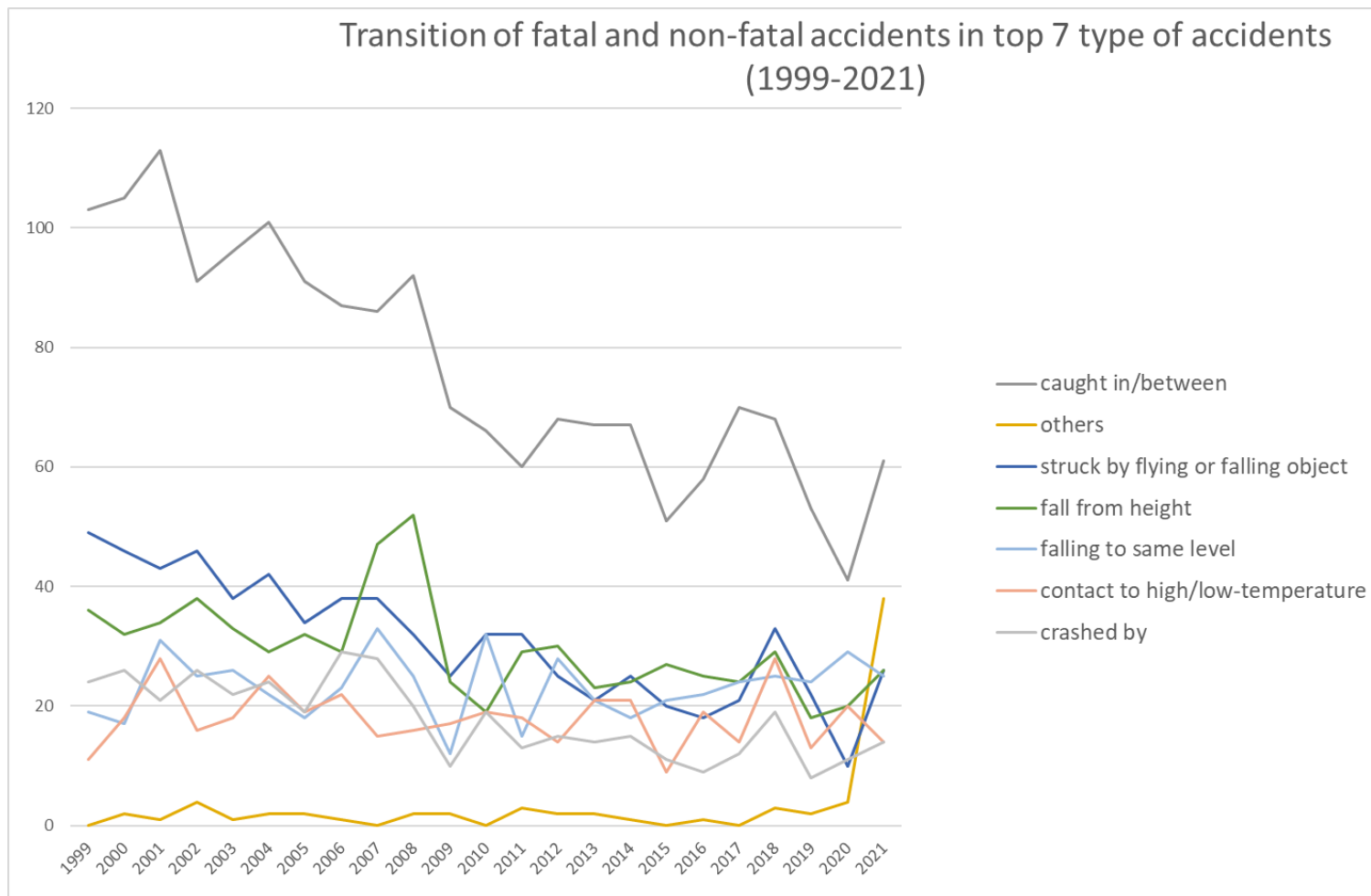


Transition of fatal and non-fatal accidents in middle causal agents in code no. 011001 steel/iron/rolling products (1999-2021)

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

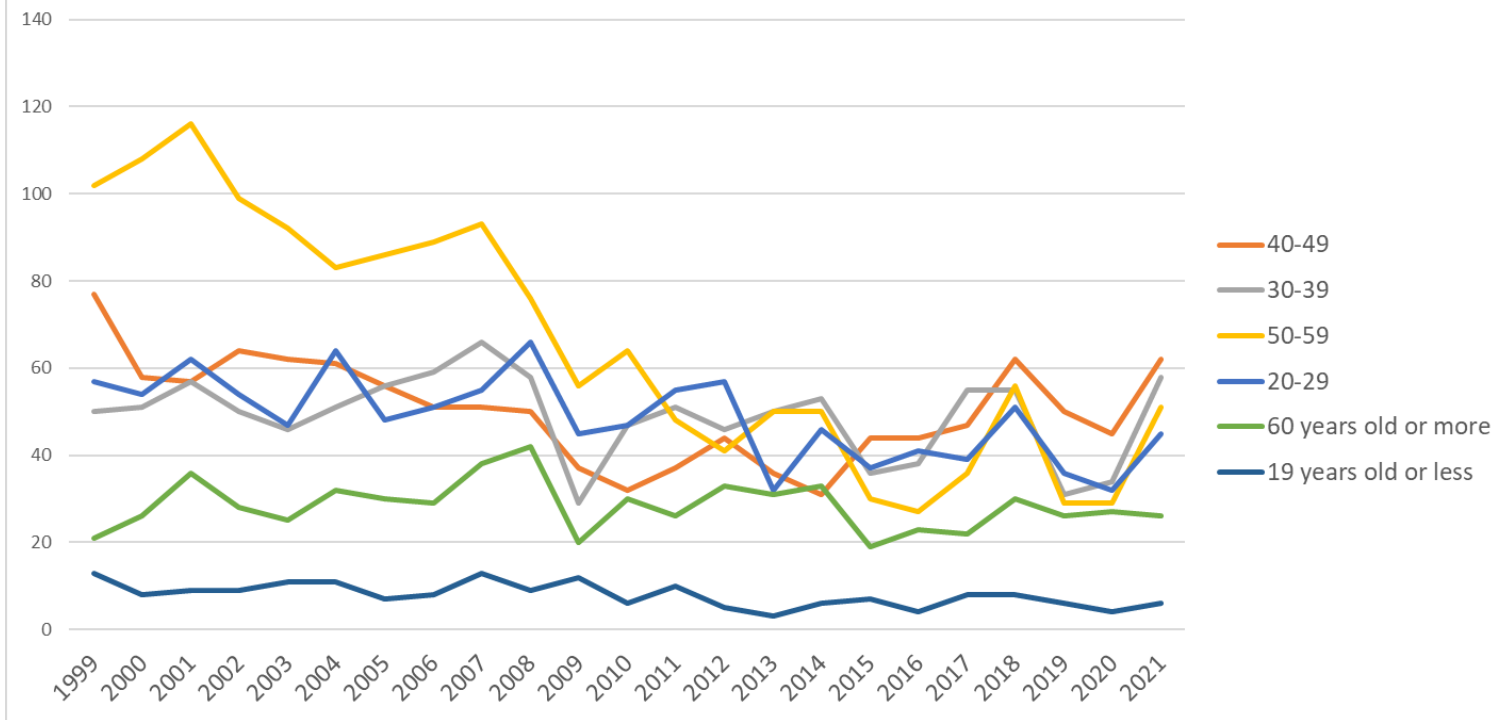


Transition of fatal and non-fatal accidents in small causal agents in code no. 011001 steel/iron/rolling products (1999-2021)



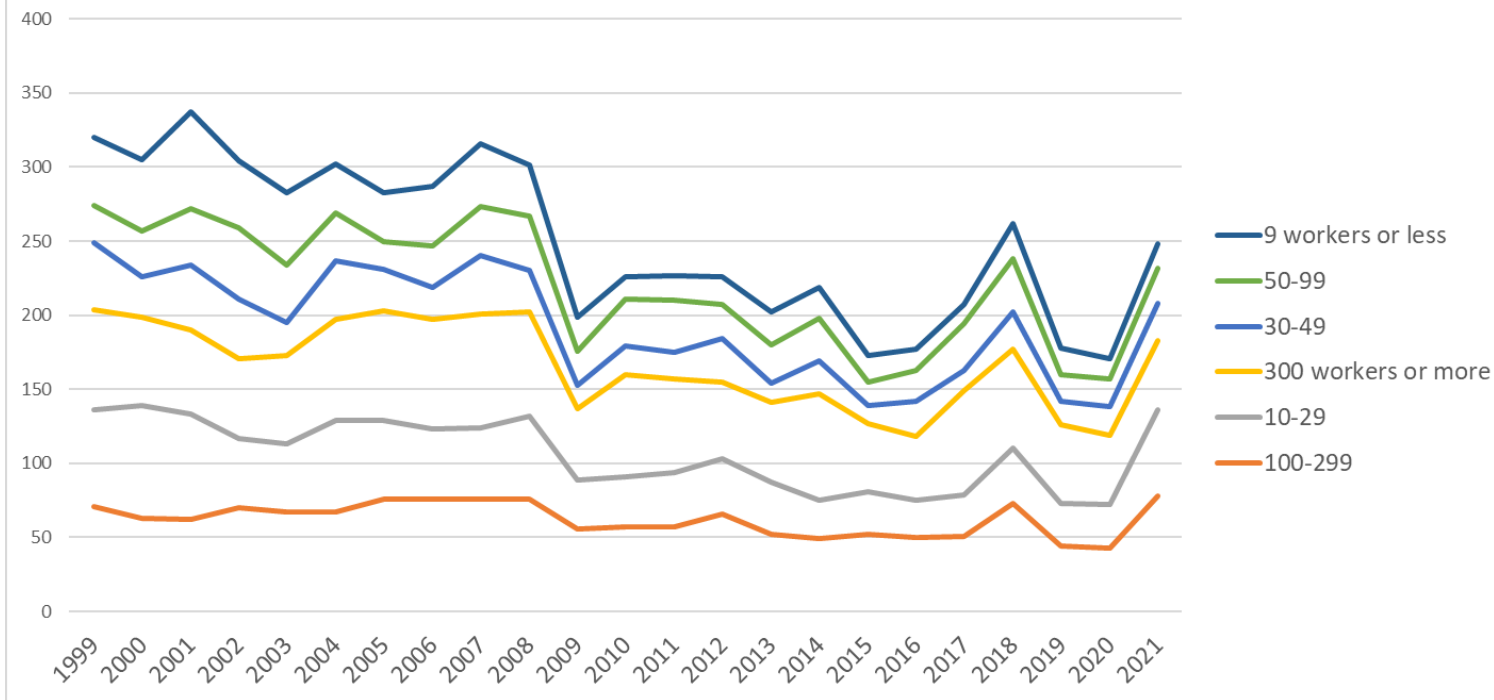
Transition of fatal and non-fatal accidents in type of accidents in code no. 011001 steel/iron/rolling products (1999-2021)

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

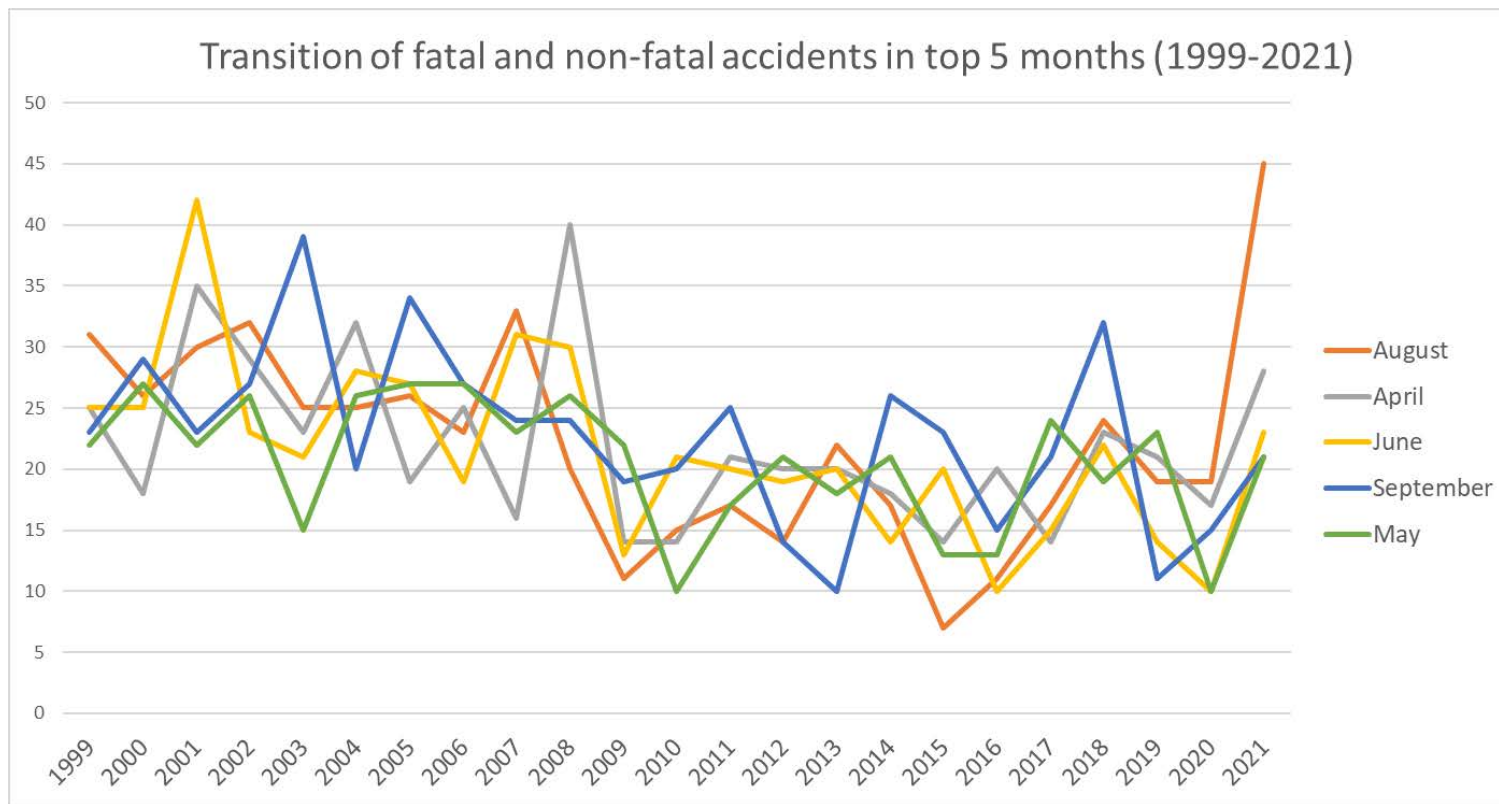


Transition of fatal and non-fatal accidents in workers ages in code no. 011001 steel/iron/rolling products (1999-2021)

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. 011001 steel/iron/rolling products (1999-2021)



Transition of fatal and non-fatal accidents in months in code no. 011001 steel/iron/rolling products (1999-2021)

[illegible]

14	construction machine	1	1		3	3	3	4	1	1	4	5	3	1	4	1	1	2	1	2		1	2	1	45	machine
35	electric equipment	2	1	1	1	3	4	1	1	1	1		2	4		1	2	1	1		3		1	1	32	electric equipment
13	woodworking machine	1		2	1		1	1			1	1				1	1	1			1		1	1	14	woodworking machine
31	pressure vessel							2		1				1	1	1					1				7	pressure vessel
11	engine		1	1					1								1					1			5	engine
32	chemical facilities					2									2								1		5	chemical facilities
99	unclassifiable																1		1			2			4	unclassifiable
17	mobile silviculture machine																									mobile silviculture machine
	total	320	305	337	304	283	302	283	287	316	301	199	226	227	226	202	219	173	177	207	262	178	171	248	5,753	total

Transition of fatal and non-fatal accidents in small causal agents in code no. 011001 steel/iron/rolling products (1999-2021)

[illegible]

921	no causal agent			2		6		8	7	4	4	3	4	3	4	6	7	1	4	7	4	5	8	8	95	no causal agent
611	load			6		8		6	11	9	8	3	4	4	6	6	9	5	1	5	2	10	7	7	117	load
413	stairs, landing stage			3		4		6	5	7	7	3	3	5	9	5	9	9	5	7	13	2	3	7	112	stairs, landing stage
418	building, establishment			9		5		3	4	6	9	2	4	3	3	5	5	3		3	8	3	5	7	87	building, establishment
391	other equipment, facilities			9		11		25	6	4	12	5	12	9	14	11	7	10	8	9	17	7	12	6	194	other equipment, facilities
169	other general power machines			16		14		10	20	11	11	6	16	9	6	6	13	9	6	13	15	9	5	5	200	other general power machines
372	slinging tool			13		11		4	3	4	5	7	3	4	1	6	5	3	5	4	7	5	2	5	97	slinging tool
121	power transmission mechanism			1		3		6	3	2	5	1	1	3	6	2	2	3	1	4	4	3		5	55	power transmission mechanism
163	roll machine (except printingroll machine)			10		9		3	6	12	7	9	4	6	5	2	4	5	6	5	4	7	4	4	112	roll machine (except printingroll machine)
416	working platform, boot board			9		5		3	6	7	8	3	4	5	5	4	8	1	7	2	4	8	5	4	98	working platform, boot board
222	forklift			3		7		12	6	8	12	7	4	2	3	3	3	2	4	3	1	6	4	4	94	forklift
229	other powered conveying machines			1		2		1	8	3	4	2	3		5	4	2	3	2	4	3		1	4	52	other powered conveying machines
362	human power hauling equipment					2		1	2	5	3	2	1	3	1	5	3	1	1	1	3	1	3	4	42	human power hauling equipment
341	kiln, caldron			6		5		2	11	8	8	8	9	5	5	10	2	4	4	7	2	7	9	3	115	kiln, caldron
221	truck			8		6		7	8	9	9	7	7	6	6	6	6	5	4	4	5	1	2	3	109	truck
379	other tools			5		5		8	5	4	7	6	4	4	6	6	4	7	7	1	7	5	6	3	100	other tools

364	hand tool			7		3		4	4	11	7	3	5	3	7	3	1	3	1	4	3	3	4	3	79	hand tool
419	other temporary buildings, establishments			2		2		5	5	3	3	3	4	2	6	3	3	2	8	3	4	4	5	3	70	other temporary buildings, establishments
155	forging pressure hammer			3		3		6	4	7	8	2	4	5	4	3	3	2	3	2	2	2		3	66	forging pressure hammer
154	power press			8		3		6			2	2				1	1	1	2	7	5	1	6	3	48	power press
715	high/cold temperature environment			2		1		2	2		4	2	3	5	1	2	3	1	4	4	6	4	4	2	52	high/cold temperature environment
153	grinding machine, buffing machine			3		2		2	4	7	1	2	2	3	7	3	1	1	1	2			1	2	44	grinding machine, buffing machine
414	opening			3		2		2	1	4	3	2	2	5	4	1	1	3	2	1	3	1	1	2	43	opening
529	other materials			6		2			3	6	1	5	4	2	2	2		2	1	1	2	1	1	2	43	other materials
514	harmful substance			3		2		4	1		4	1	1	1		2	2	2		3		5	1	2	34	harmful substance
519	other hazards, harmful substances			4		3		1	1		1	1	1		1	2		1	1	1	8	2	1	2	31	other hazards, harmful substances
512	inflammable substance			1		1		1	1	1	1	3	1				1	1	2					2	16	inflammable substance
212	mobile crane			2		1		1		1	1	2	1	1		1				1	1			2	15	mobile crane
219	other powered crane			2		2		3		1	1			1				1			1	1		2	15	other powered crane
225	loader										1										1		1	2	5	loader
511	explosive substance																	2		1				2	5	explosive substance
515	radiation																							2	2	radiation

711	rock										1				1					2				4	rock
714	abnormal environment							1	1					1						1				4	abnormal environment
999	unclassifiable															1		1			2			4	unclassifiable
214	elevator, lift					1			1				1											3	elevator, lift
239	other vehicles							1			1			1										3	other vehicles
311	boiler							1					1							1				3	boiler
351	transmission					1				1			1											3	transmission
134	hollow chisel mortiser, wood borer			1					1															2	hollow chisel mortiser, wood borer
145	demolition machine								1												1			2	demolition machine
146	vehicle for high lift work											1					1							2	vehicle for high lift work
312	pressure vessel													1	1									2	pressure vessel
319	other pressure vessels							1		1														2	other pressure vessels
342	industrial dryer											1								1				2	industrial dryer
144	hardening machine											1												1	hardening machine
149	other construction machines					1																		1	other construction machines
164	injection molding machine													1										1	injection molding machine
166	printing machine			1																				1	printing machine

[illegible]

216	gondola																											gondola
217	lumberyard																											lumberyard
	equipment, logging																											equipment, logging
	cableway																											cableway
218	simple skyline																											simple skyline
	yarding equipment																											yarding equipment
226	straddle carrier																											straddle carrier
227	rough terrain hauler																											rough terrain hauler
412	timbering																											timbering
712	standing tree																											standing tree
	total			337		283		283	287	316	301	199	226	227	226	202	219	173	177	207	262	178	171	248	4,522			total

Transition of fatal and non-fatal accidents in type of accidents in code no. 011001 steel/iron/rolling 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	103	105	113	91	96	101	91	87	86	92	70	66	60	68	67	67	51	58	70	68	53	41	61	1,765	caught in/between
90	others		2	1	4	1	2	2	1		2	2		3	2	2	1		1		3	2	4	38	73	others
04	struck by flying or falling object	49	46	43	46	38	42	34	38	38	32	25	32	32	25	21	25	20	18	21	33	22	10	26	716	struck by flying or falling object
01	fall from height	36	32	34	38	33	29	32	29	47	52	24	19	29	30	23	24	27	25	24	29	18	20	26	680	fall from height
02	falling to same level	19	17	31	25	26	22	18	23	33	25	12	32	15	28	21	18	21	22	24	25	24	29	25	535	falling to same level
11	contact to high/low-temperature	11	18	28	16	18	25	19	22	15	16	17	19	18	14	21	21	9	19	14	28	13	20	14	415	contact to high/low-temperature

06	crashed by	24	26	21	26	22	24	19	29	28	20	10	19	13	15	14	15	11	9	12	19	8	11	14	409	crashed by
03	crash	19	14	18	9	6	9	16	13	16	14	10	8	11	10	8	12	9	4	6	17	8	8	13	258	crash
19	reaction to motion/improper motion	13	15	13	14	15	11	17	14	13	13	7	8	9	4	11	13	5	8	15	14	10	14	11	267	reaction to motion/improper motion
08	cut	14	9	10	11	6	9	9	6	13	7	8	5	9	13	5	8	4	1	6	4	5	4	7	173	cut
12	contact to harmful substance	6		7	5	2	2	10	2	1	7	1	2	1	2	2	2	3	1	5	1	6	1	5	74	contact to harmful substance
05	collapse	16	14	11	15	12	12	11	12	11	12	6	6	15	7	3	4	8	4	8	13	6	2	4	212	collapse
16	fire				1	1	1	1	1	2	1	1			1	2		3	2		3			3	23	fire
13	electric shock	2	1	2		1	3	1	1	2	1		2	3	1						1		1	1	23	electric shock
17	traffic accident (public road)		2	3	1	1	6	1	1	5	3	2	2	3	4	2	1	2	4		1	1	2		47	traffic accident (public road)
14	explosion	6	1	1	1	2	1		5	5	3	3	3	1	1		8				2	1	2		46	explosion
09	injury to the sole of the foot	1	1		1	1	2	1	1											2					10	injury to the sole of the foot
15	burst	1	2								1	1	1		1						1		1		9	burst
18	traffic accident (others)			1		1	1	1	2				1						1						8	traffic accident (others)
10	drown					1							1	5											7	drown
99	unclassifiable									1												1	1		3	unclassifiable
	total	320	305	337	304	283	302	283	287	316	301	199	226	227	226	202	219	173	177	207	262	178	171	248	5,753	total

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	77	58	57	64	62	61	56	51	51	50	37	32	37	44	36	31	44	44	47	62	50	45	62	1,158	40-49
3	30-39	50	51	57	50	46	51	56	59	66	58	29	47	51	46	50	53	36	38	55	55	31	34	58	1,127	30-39
5	50-59	102	108	116	99	92	83	86	89	93	76	56	64	48	41	50	50	30	27	36	56	29	29	51	1,511	50-59
2	20-29	57	54	62	54	47	64	48	51	55	66	45	47	55	57	32	46	37	41	39	51	36	32	45	1,121	20-29
6	60 years old or more	21	26	36	28	25	32	30	29	38	42	20	30	26	33	31	33	19	23	22	30	26	27	26	653	60 years old or more
1	19 years old or less	13	8	9	9	11	11	7	8	13	9	12	6	10	5	3	6	7	4	8	8	6	4	6	183	19 years old or less
	total	320	305	337	304	283	302	283	287	316	301	199	226	227	226	202	219	173	177	207	262	178	171	248	5,753	total

Transition of fatal and non-fatal accidents in workers scales in code no. 011001 steel/iron/rolling 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
5	100-299	71	63	62	70	67	67	76	76	76	76	56	57	57	66	52	49	52	50	51	73	44	43	78	1,432	100-299
2	10-29	65	76	71	47	46	62	53	47	48	56	33	34	37	37	35	26	29	25	28	37	29	29	58	1,008	10-29
6	300 workers or more	68	60	57	54	60	68	74	74	77	70	48	69	63	52	54	72	46	43	70	67	53	47	47	1,393	300 workers or more
3	30-49	45	27	44	40	22	40	28	22	39	28	16	19	18	29	13	22	12	24	14	25	16	19	25	587	30-49
4	50-99	25	31	38	48	39	32	19	28	33	37	23	32	35	23	26	29	16	21	31	36	18	19	24	663	50-99
1	9 workers or less	46	48	65	45	49	33	33	40	43	34	23	15	17	19	22	21	18	14	13	24	18	14	16	670	9 workers or less
	total	320	305	337	304	283	302	283	287	316	301	199	226	227	226	202	219	173	177	207	262	178	171	248	5,753	total

Transition of fatal and non-fatal accidents in months in code no. 011001 steel/iron/rolling products (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
8	August	31	26	30	32	25	25	26	23	33	20	11	15	17	14	22	17	7	11	17	24	19	19	45	509	August

4	April	25	18	35	29	23	32	19	25	16	40	14	14	21	20	20	18	14	20	14	23	21	17	28	506	April
6	June	25	25	42	23	21	28	27	19	31	30	13	21	20	19	20	14	20	10	15	22	14	10	23	492	June
9	September	23	29	23	27	39	20	34	27	24	24	19	20	25	14	10	26	23	15	21	32	11	15	21	522	September
5	May	22	27	22	26	15	26	27	27	23	26	22	10	17	21	18	21	13	13	24	19	23	10	21	473	May
7	July	32	24	20	22	19	24	24	20	23	23	23	26	20	16	16	19	14	15	17	25	21	21	20	484	July
11	November	29	23	27	23	22	16	23	20	24	28	9	17	14	23	19	16	11	13	16	15	10	15	20	433	November
2	February	28	30	20	22	13	27	24	29	22	22	18	22	21	20	16	19	10	11	16	18	9	19	18	454	February
1	January	24	25	31	20	30	23	25	25	32	27	19	22	15	20	20	12	19	24	16	21	20	16	17	503	January
10	October	23	37	27	25	28	28	21	24	32	14	18	23	18	16	13	23	16	15	15	27	5	9	14	471	October
3	March	28	28	39	24	26	25	17	25	33	23	15	22	25	21	13	17	14	16	13	21	12	14	12	483	March
12	December	30	13	21	31	22	28	16	23	23	24	18	14	14	22	15	17	12	14	23	15	13	6	9	423	December
	total	320	305	337	304	283	302	283	287	316	301	199	226	227	226	202	219	173	177	207	262	178	171	248	5,753	total

Transition of fatal and non-fatal accidents in prefectures in code no. 011001 steel/iron/rolling products (1999-2021)

[illegible]

15	Niigata	7	7	6		10		13	10	9	19	13	13	19	12	10	10	11	9	14	11	7	4	6	220	Niigata
11	Saitama	15	17	22		10		12	13	12	8	10	5	1	13	4	4	3	4	4	6	9	5	6	183	Saitama
10	Gunma	4	2	4		4		8	7	5	12	3	4	1	6	3	5	2	3	3	6	6	1	6	95	Gunma
22	Shizuoka	2	3	1		1		2		1	3	3	2		1					2	2	1	7	6	37	Shizuoka
30	Wakayama	12	9	8		12		6	8	7	7	9	6	9	4	4	3	3	1	3	5	5	2	5	128	Wakayama
16	Toyama	11	5	4		1		2	7	7	8	4	4		2	3	3	3	3	4	3	2	6	5	87	Toyama
47	Okinawa	2	2						3					1	1		6				1			5	21	Okinawa
40	Fukuoka	25	10	13		19		14	12	13	7	15	11	9	10	12	4	9	8	7	9	7	9	4	227	Fukuoka
33	Okayama	7	9	8		5		17	10	12	9	12	11	9	6	3	7	4	4	7	11	7	5	4	167	Okayama
13	Tokyo	14	15	13		9		12	3	6	10	9	5	7	5	4	4	5	2	3	5	5	2	4	142	Tokyo
17	Ishikawa	3	3	3		2		2		3	2	1	2	8	4	3	2	3	1	1	5		2	4	54	Ishikawa
9	Tochigi	7	4	11		6		4	3	7	3		1	5	6	4	1		2		3	3	2	3	75	Tochigi
18	Fukui	2	2	3		2		1	2	2	2	4	1	1	3	1	1			1	3	3	1	3	38	Fukui
29	Nara		4	1				1	6		3		2	1		2	1	1		1		3	2	3	31	Nara
36	Tokushima	1	3	2					1	3	2	1	1	2	1		2				2			3	24	Tokushima
35	Yamaguchi	12	6	7		9		9	13	7	8	2	6	2	8	5	4	8	2	4	2	6	4	2	126	Yamaguchi
44	Oita		4	2		8		5	1	7	9	2	3	9	4	7	5	7	4	4	3	3	5	2	94	Oita
26	Kyoto	1	3			2		1	2	6	3	1	2	3	1	1		2	6	2	2	3	2	2	45	Kyoto
2	Aomori	1		4				1	2	9	3	1			2	1	2	2	1	3	1	1	1	2	37	Aomori
7	Fukushima	2	3	3		2		4	1	1						1	1	1	1				1	2	23	Fukushima
20	Nagano	2						1	2	2	1						1				1			2	12	Nagano
4	Miyagi	2	4	6		5		4	3	4	7	4	3	7	3	4	4	4	1	7	5	6	3	1	87	Miyagi
25	Shiga	2	1	1		5		1	4	9	2	4	1	5		1	2	1	4		2	2		1	48	Shiga
24	Mie	4	2	1		4		3	3	1		2	1		2	1		2		1	1	1	1	1	31	Mie

3	Iwate	2	1	3		1			2	1	5			2			1	1			1			1	21	Iwate
37	Kagawa	1	1	1						1	2	2	3	1	2	1	1					1	1	1	19	Kagawa
39	Kochi			3		3								2					2		2	1		1	14	Kochi
21	Gifu	5	3	3		2		3	1	3	4	3	3		1	3	2	1	4	1	1	2	1		46	Gifu
32	Shimane	1	6	3				3	6	1	1	2	1	2	2	1	1		1	2	2	2			37	Shimane
43	Kumamoto	2	1	3		1				3		1	1	1				1	1		1		1		17	Kumamoto
42	Nagasaki	2	1					1	2		1	1		1		1			1	1		1			13	Nagasaki
41	Saga		2			1			1		1	1				1	1				2				10	Saga
6	Yamagata		4						2		1			1									1		9	Yamagata
31	Tottori	1		2				1		1			1					1	1						8	Tottori
38	Ehime		4					1										1	1		1				8	Ehime
45	Miyazaki	1	2			1				1								1		1		1			8	Miyazaki
5	Akita					1			1	1			1	1						1	1				7	Akita
19	Yamanashi	5							1								1								7	Yamanashi
46	Kagoshima																									Kagoshima
	total	320	305	337		283		283	287	316	301	199	226	227	226	202	219	173	177	207	262	178	171	248	5,147	total

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

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