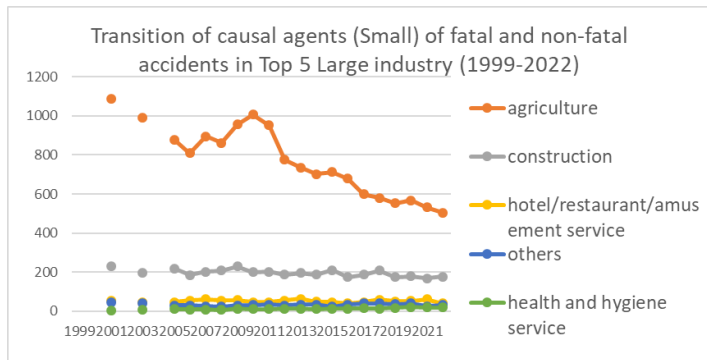
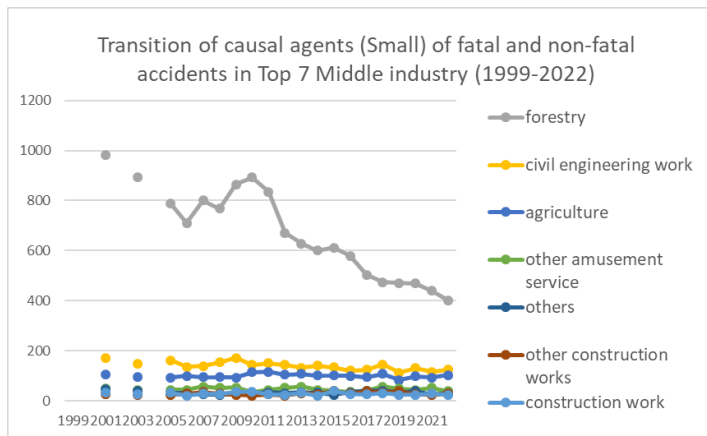


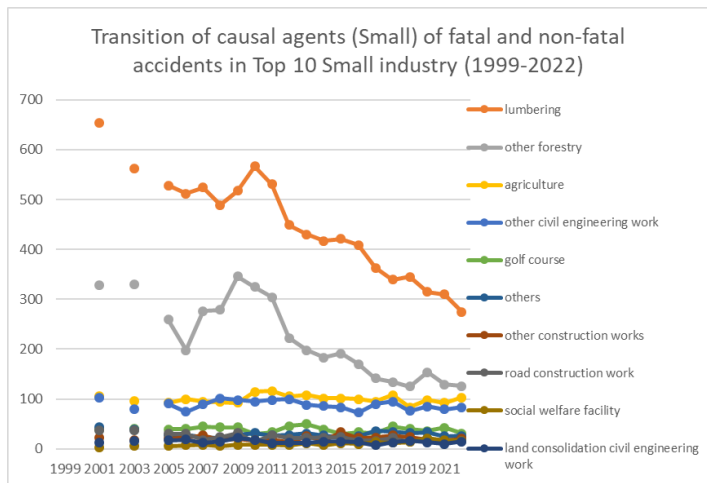
Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 712 standing tree (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 712 standing tree in Large industry (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 712 standing tree in Middle Industry (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 712 standing tree in Small Industry (1999-2022)

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 712 standing tree in Large industry (1999-2022)

code	Large industry	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total	Large industry
06	agriculture			1,088		989		879	810	895	862	956	1,006	951	776	736	701	713	679	599	581	553	567	531	504	15,376	agriculture
03	construction			230		197		218	185	201	209	229	200	201	188	195	187	211	175	188	209	174	179	168	176	3,920	construction
14	hotel/restaurant/amusement service			55		47		46	55	61	55	57	46	46	56	64	48	47	41	46	59	51	53	61	41	1,035	hotel/restaurant/amusement service
17	others			46		40		30	30	26	23	30	32	33	30	34	33	24	33	40	41	36	40	26	31	658	others
13	health and hygiene service			4		9		10	9	9	6	13	10	10	12	13	10	13	16	12	17	22	20	20	248	health and hygiene service	
08	commerce			12		11		8	12	12	7	11	14	16	11	6	16	20	13	9	11	9	15	12	16	241	commerce
01	manufacturing			26		27		16	23	15	17	20	22	18	18	17	22	10	11	20	22	21	16	10	14	365	manufacturing
15	commercial cleaning and livestock process			17		24		15	13	19	14	21	15	19	19	17	13	18	18	15	10	28	16	13	342	commercial cleaning and livestock process	
12	education/research service			6		6		8	13	16	8	9	7	7	10	5	7	9	7	10	10	6	11	12	10	177	education/research service
04	transportation service			13		13		7	6	12	7	15	11	22	9	8	5	9	2	8	5	9	10	14	9	194	transportation service
16	public office			4		3		5		3		4	3	1	5	1	2		3	6	6	4	2	1	4	57	public office
11	telecommunication service							3	3		3		1	1	2	4		4	5	2	3	5	3	6	1	46	telecommunication service
09	financial business/advertisement					2		1	1			2		1	1		1	2	2	1	1	1			1	17	financial business/advertisement
07	livestock/fishery			2				3		4	1	4	1	3	2	6	6	4	2		2	2	5	3		50	livestock/fishery
02	mining			2		5		1	2	3	1	2	3	2		1	2	1	2	2		1	1			33	mining
05	cargo handling service			1						1		1					1				1	1	1	1		8	cargo handling service
10	movie/play service								1					1												2	movie/play service
	total			1,506		1,373		1,250	1,163	1,277	1,213	1,374	1,371	1,332	1,141	1,106	1,053	1,086	1,005	965	980	899	953	882	840	22,769	total

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 712 standing tree in Middle industry (1999-2022)

code	Middle industry	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total	Middle industry
0602	forestry			983		893		787	710	800	768	864	892	835	671	628	600	612	579	504	473	470	469	439	401	13,378	forestry
0301	civil engineering work			172		147		162	136	138	153	171	143	151	144	132	140	134	120	124	145	113	131	116	124	2,796	civil engineering work
0601	agriculture			105		96		92	100	95	94	92	114	116	105	108	101	101	100	95	108	83	98	92	103	1,998	agriculture
1403	other amusement service			48		44		44	44	57	51	53	34	43	51	57	44	40	36	40	56	48	43	51	38	922	other amusement service
1702	others			46		40		30	30	26	23	29	32	33	30	34	32	24	33	40	40	36	38	26	30	652	others
0303	other construction works			26		23		24	29	35	29	23	20	25	21	31	27	38	28	38	33	38	25	24	28	565	other construction works
0302	construction work			32		27		32	20	28	27	35	37	25	23	32	20	39	27	26	31	23	23	28	24	559	construction work
1302	social welfare facility			3		6		6	7	8	6	8	8	8	7	11	7	11	10	14	12	14	21	17	16	200	social welfare facility
1501	commercial cleaning and livestock process			17		24		15	13	19	14	21	15	19	19	17	13	18	18	18	15	10	28	16	13	342	commercial cleaning and livestock process
1201	education/research service			6		6		8	13	16	8	9	7	7	10	5	7	9	7	10	10	6	11	12	10	177	education/research service
0802	retail			5		7		3	5	7	2	6	7	12	6	4	9	10	8	7	7	9	12	7	9	142	retail
0804	other commerce			3		2		3	4	3	3	1	4	2	2	1	5	3	3	1	2		1	2	6	51	other commerce
0403	road cargo transportation service			6		7		4	4	8	5	11	8	13	7	5	2	6	1	8	3	7	6	10	5	126	road cargo transportation service
0104	wood products			9		14		10	7	8	5	9	8	4	5	5	7	4	4	5	4	9	3	4	4	128	wood products

1601	public office			4		3		5		3		4	3	1	5	1	2		3	6	6	4	2	1	4	57	public office
1301	medical treatment service			1		3		4	1			4	2	2	4	2	2	2	3	2		2	1	3	4	42	medical treatment service
1401	hotel			7		3		2	11	4	3	2	8	3	5	7	2	4	5	4	2	2	7	8	3	92	hotel
0116	electric/gas/water service			3		2		1		2		1		1	1	3	4	2			5		1		3	29	electric/gas/water service
0402	road passenger transport service			3		2			1	1	1	3	1	7	1	2	1	1			1	2	2	3	2	34	road passenger transport service
0117	other manufacturing			2		1		2	1	1		2	3		1	3	1		1	4	5		2	1	2	32	other manufacturing
0401	railroad/water transportation/airline service			4		4		3	1	2	1	1	2	2	1	1	2	1	1		1		2	1	2	32	railroad/water transportation/airline service
0109	sand and stone products			4		4			3		1	2	2	1	2	1		1		1		1	2	1	2	28	sand and stone products
0101	food products			2		2		1	2	2	3	3	5	5	2	2	5	1	4	6	2	6	1	1	1	56	food products
1101	telecommunication service							3	3		3		1	1	2	4		4	5	2	3	5	3	6	1	46	telecommunication service
0801	wholesale			4		2		2	3	2	2	3	3	2	3	1	2	7	2	1	1		2	2	1	45	wholesale
0115	transport equipment products			2		3		1	1					1					1		1	1			1	12	transport equipment products
0902	advertisement and mediator					1		1				1		1	1		1		1	1	1	1			1	11	advertisement and mediator
0114	electrical equipment products			2					1		2			1			1								1	8	electrical equipment products
1701	dispatch service											1					1				1		2		1	6	dispatch service
0701	livestock			2				3		2	1	4	1	1	1	6	5	3	2		2	2	4	3		42	livestock
0202	quarrying			2		5		1	1	3		2	2	2	2		1	2	1	2	1		1	1		29	quarrying
0113	machine products			1						1	2			2	5		2	1		1	2	1	1	2		21	machine products
1402	restaurant										1	2	4				2	3		2	1	1	3	2		21	restaurant
0112	metal products			1		1		1	2	1	2		1		1		1	1	1	1	1		1			15	metal products
0108	chemical products							1		1	1	1	1	1	1	3			2	1	1	1				14	chemical products
0702	fishery							2					2	1		1	1						1			8	fishery
0105	furniture							1			1	2					1						1			6	furniture
0501	land cargo handling service										1						1				1	1	1	1		6	land cargo handling service
0901	financial business					1			1			1						2	1							6	financial business
1303	other health and hygiene service							1	1		1			1		1					1					6	other health and hygiene service
0102	textile products							2			1												1			4	textile products
0110	steel making							1		1										1	1					4	steel making
0203	other mining							1		1		1								1						4	other mining
0106	pulp/paper processing products												1			1						1				3	pulp/paper processing products
0803	haircut/beauty salon										1								1				1			3	haircut/beauty salon
0103	fiber products							1															1			2	fiber products
0107	printing/bookbinding												1										1			2	printing/bookbinding
0404	other transportation service								1								1									2	other transportation



140302	park and amusement park			3		1		2	2	5	4	4	3	5	3	2	4	6	1	6	9	7	3	4	3	77	park and amusement park
080205	newspaper retail			2		1		2	1	1		4	1	4	3	1	1	3	1	3	2	2	6	3	3	44	newspaper retail
130101	hospital			1		3		2	1			4	2	2	3	1	1	1	3	1		2		3	3	33	hospital
011601	electric utility service			2		1				1		1		1		3	3	2			5		1		3	23	electric utility service
030302	machinery/apparatus setting work					1				2						3	2	1		1	3	1	1	3	18	machinery/apparatus setting work	
150109	other cleaning and livestock process service			5		6		7	8	4	8	16	6	6	6	6	1	3	2	6	6	3	8	3	2	112	other cleaning and livestock process service
030110	water supply/sewage construction work							3	2	2	2	4	2	1	1		1	3			2	1	1		2	27	water supply/sewage construction work
040101	railroad service			3		4		2	1	2	1	1	2	1	1	1	1	1				2	1	2	2	27	railroad service
011709	other manufacturing			2				1				1	2		1	2	1		1	2	5		2		2	22	other manufacturing
010909	other sand and stone products			4		2			1		1	1		1	1	1			1						2	15	other sand and stone products
080401	warehousing																								2	2	warehousing
030107	river civil engineering work			9		7		9	4	4	4	4	8	1	3	2	6	5	8	1	8	4	5	4	1	97	river civil engineering work
110101	telecommunication service							3	3		3		1	1	2	4		4	5	2	3	5	3	6	1	46	telecommunication service
010409	other lumber and wood products			2		6		6	2	1	2		1	2	2	3	1	1	2	2	1	5	3	1	1	44	other lumber and wood products
080109	other wholesale			2		1			3	1	2	3	3	2	2	1	2	7	2	1	1		2	2	1	38	other wholesale
030203	building facility construction work			4		1		1	1	2		2	3	1	2	3	1	3		1	3	3	2	1	1	35	building facility construction work
040201	taxi service					1					1	3	1	3		1	1	1			1	2	1	2	1	19	taxi service
040202	bus service			3		1			1	1				4		1							1	1	1	14	bus service
080201	all kinds of retail					2							1	1	1				1	1		1	1	1	1	10	all kinds of retail
030104	railway construction work								1			1	1	1	1			1	1	1					1	9	railway construction work
090209	other advertisement and mediator					1		1						1				1	1	1	1	1			1	8	other advertisement and mediator
040309	other land cargo transportation service			1							1	1		1				1				1			1	7	other land cargo transportation service
170101	dispatch service											1					1				1		2		1	6	dispatch service
010104	bread/cake products												1							3					1	5	bread/cake products
130109	other medical treatment service							1							1			1					1		1	5	other medical treatment service
011509	other transport equipment products					1			1									1							1	4	other transport equipment products
080202	auto mobile retail																					1			1	2	auto mobile retail
011403	electronics equipment and telecommunications apparatus																								1	1	electronics equipment and telecommunications apparatus
070101	livestock			2				3		2	1	4	1	1	1	6	5	3	2		2	2	4	3		42	livestock
150102	industrial waste management service			2		1		3	1	3	1	1	2	2	3	1	3	2	2	3		1	4	4		39	industrial waste management service
010109	other foods			1		2		1	1	1		2	3		2		3	1	2	2	1	3	1			26	other foods
140201	general restaurant										1	2	3				2	3		2	1	1	3	2		20	general restaurant
011301	machine products			1							2			2	4		1	1		1	2	1	1	2		18	machine products
020201	quarrying			2		4		1		1				2	1		1	1		1						15	quarrying

011209	other metal products			1		1		1	2	1	2		1		1			1	1		1			13	other metal products	
030102	tunnel construction work			1						1	1	1					2	1		3		1	1		12	tunnel construction work
080204	fuel retail							1	1	1		1				1	1	2		1	1	2			12	fuel retail
010901	cement products				1			1			1	1		1			1					2	1		9	cement products
020202	gravel digging							1	2		2	1		1				1					1		9	gravel digging
010103	agricultural food products			1						1	1	1				1			1	1			1		8	agricultural food products
011502	auto mobile products			2		2	1						1							1	1				8	auto mobile products
030105	bridge construction work							1	1		2							2				2			8	bridge construction work
080101	all kinds of wholesale			2		1		2	1					1											7	all kinds of wholesale
030101	hydroelectric plant construction work						1				1	2							1				1		6	hydroelectric plant construction work
040302	specific truck transportation service										1		1	2						1			1		6	specific truck transportation service
050101	land cargo handling service										1						1			1	1	1	1		6	land cargo handling service
070209	other fishery							1					2	1		1						1			6	other fishery
010102	fishery products							1		1			2									1			5	fishery products
010105	alcoholic drinks							1	1						2							1			5	alcoholic drinks
011409	other electrical equipment			1					1		2						1								5	other electrical equipment
011603	city water service			1				1		1					1		1								5	city water service
011702	machine repair								1			1			1				1				1		5	machine repair
020209	other quarrying				1						1						1		1	1					5	other quarrying
080203	furniture/fittings retail						1		1			1		1		1									5	furniture/fittings retail
010106	soft drinks											1						2				1			4	soft drinks
010805	plastics products									1	1				1							1			4	plastics products
011703	cleaning				1			1			1									1					4	cleaning
040103	airline service			1			1						1			1									4	airline service
120101	auto mobile practical training					1									1		1	1							4	auto mobile practical training
130102	general clinic					1									1	1				1					4	general clinic
130301	bathroom							1			1					1						1			4	bathroom
010101	meat/dairy products												2			1									3	meat/dairy products
010501	wood furniture							1				1											1		3	wood furniture
010602	paper processing products												1			1						1			3	paper processing products
011009	other steel products							1		1												1			3	other steel products
011305	other precision machine products								1						1		1								3	other precision machine products
020309	other mining							1		1												1			3	other mining
040303	cargo/ light automobile transportation service										1		1									1			3	cargo/ light automobile transportation service
080302	beauty salon										1											1		1	3	beauty salon
090103	insurance business											1					2								3	insurance business
090109	other financial business					1			1									1							3	other financial business
090201	traveling service										1		1			1									3	traveling service
010209	other textile products							1				1													2	other textile products
010402	plywood											1										1			2	plywood
010701	printing service												1										1		2	printing service



