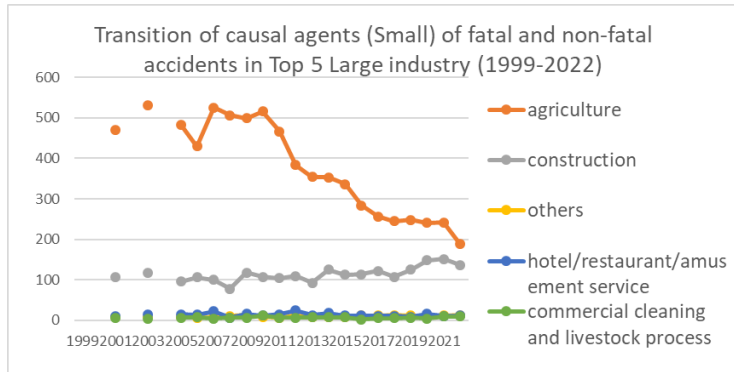
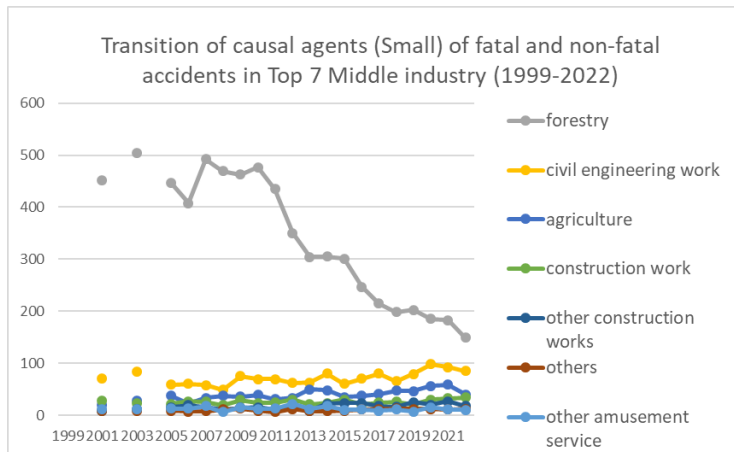


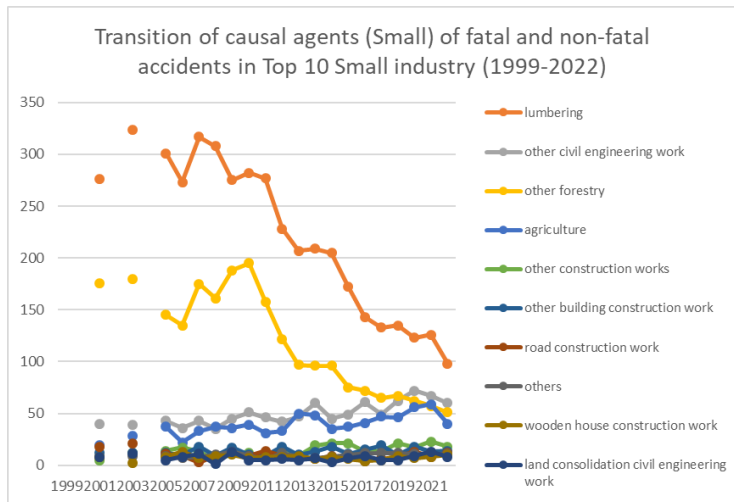
Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 136 chain saw (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 136 chain saw in Large industry (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 136 chain saw in Middle Industry (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 136 chain saw in Small Industry (1999-2022)

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 136 chain saw 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			471		532		483	430	525	506	499	516	466	383	354	353	336	284	256	245	248	241	242	189	7,559	agriculture
03	construction			107		118		96	106	100	78	118	107	104	109	93	125	113	114	122	107	125	148	151	137	2,278	construction
17	others			9		9		9	7	8	11	13	9	6	12	8	8	9	12	12	13	12	12	12	13	204	others
14	hotel/restaurant/amusement service			11		15		15	14	22	7	16	12	15	24	13	18	12	12	11	11	9	16	11	12	276	hotel/restaurant/amusement service
15	commercial cleaning and livestock process			5		3		7	8	4	6	6	12	6	7	8	8	8	2	5	5	7	4	10	10	131	commercial cleaning and livestock process
01	manufacturing			27		34		17	26	17	25	23	23	11	26	12	17	9	11	15	8	10	18	23	8	360	manufacturing
08	commerce			4		4		3	4	5	5	4	2	8	4	4	9	6	4	5	5	5	6	6	7	100	commerce
12	education/research service					1				4	2	2		3	2	2	1	3	2	1	2	1	2	2	4	34	education/research service
16	public office										1						1	1		1	2		1	3	10	public office	
13	health and hygiene service			1		1		1	2	4	3	2	2	2	1	3		1	3	2	5	5	1	3	1	43	health and hygiene service
09	financial business/advertisement			1											1	1				1			2		1	7	financial business/advertisement
04	transportation service			4		1		3	4	3	3	3	3	8	1	4	1	2	3	1	3	1	5	2		55	transportation service
05	cargo handling service			3		1		3	2	1	4	2	1	1				2			2	1	1			24	cargo handling service
07	livestock/fishery			1		2		1	1	3	1		3	1				1	1			1	4	4		24	livestock/fishery
02	mining			2				1		1					1		1									7	mining
10	movie/play service									1																1	movie/play service
11	telecommunication service																										telecommunication service
	total			646		721		639	604	698	651	689	690	631	571	502	541	503	449	431	407	427	461	467	385	11,113	total

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 136 chain saw 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			452		504		446	408	492	469	463	477	435	350	304	305	301	247	215	198	202	185	183	149	6,785	forestry
0301	civil engineering work			71		83		59	60	58	49	75	69	69	62	63	80	60	70	80	65	79	98	92	85	1,427	civil engineering work
0601	agriculture			19		28		37	22	33	37	36	39	31	33	50	48	35	37	41	47	46	56	59	40	774	agriculture
0302	construction work			28		23		22	27	26	19	29	23	24	30	21	23	30	21	24	26	21	30	32	34	513	construction work
0303	other construction works			8		12		15	19	16	10	14	15	11	17	9	22	23	23	18	16	25	20	27	18	338	other construction works
1702	others			9		9		9	7	8	11	13	9	6	12	8	8	9	11	12	13	12	12	11	12	201	others
1403	other amusement service			11		12		13	13	18	6	15	12	13	22	12	18	10	11	9	11	7	15	11	10	249	other amusement service
1501	commercial cleaning and livestock process			5		3		7	8	4	6	6	12	6	7	8	8	8	2	5	5	7	4	10	10	131	commercial cleaning and livestock process
0104	wood products			22		30		12	23	12	17	17	19	7	22	8	14	8	7	7	4	5	9	9	7	259	wood products
0802	retail			4		3				2	3	2	2	4	3	1	6	2	1	3	1	2	3	3	5	50	retail
1201	education/research service					1				4	2	2		3	2	2	1	3	2	1	2	1	2	2	4	34	education/research service

140302	park and amusement park										3			2	1	1	1	3	1	2		2	3	2	21	park and amusement park	
150102	industrial waste management service			2		2			1		1	2	1			2				3	1	1	2	2	20	industrial waste management service	
010409	other lumber and wood products			5		6			4	3	2	4	4	1	7	2	4	1	4	2	1	2	2	3	1	58	other lumber and wood products
140309	other amusement service			1		1			3	1	1	2	1		1	1		1		1		2	1	1	19	other amusement service	
150103	other waste disposal service					1			2	1	2			1	1	2		1		1		2	1	1	17	other waste disposal service	
140101	hotel					2			1	3	1	1			2			2		1		1	1		16	hotel	
140201	general restaurant					1			2						2		1			1				1	9	general restaurant	
170201	security service			1								1					1	1	1		1		1	1	1	9	security service
090209	other advertisement and mediator			1											1	1				1			2		1	7	other advertisement and mediator
130101	hospital							1	1	1					2						1				1	7	hospital
011601	electric utility service			1								1							1					1	1	6	electric utility service
030105	bridge construction work																		1	1	1				1	4	bridge construction work
170101	dispatch service																		1					1	1	3	dispatch service
030301	electricity/telecommunication work			3				1	1	2	5	3	3	3	3		1	2	2	5	3	4	3	3		47	electricity/telecommunication work
040301	general truck transportation service			3				3	4	2	2	3	1	3	1	2		1	3	1	2	1	3	1		36	general truck transportation service
030108	sand collapse prevention civil engineering work			3		8			3		2	3	1	1		1	2		2	2		2	1			31	sand collapse prevention civil engineering work
130201	social welfare facility			1		1			1	1	3	2	2		1	3			2	2	3	5	1	3		31	social welfare facility
080409	other commerce					1		1	2		1			2		1	2		1	1	3	2	3	3		23	other commerce
050202	port cargo handling service			3		1		3	2	1	4	1	1	1				2			1	1				21	port cargo handling service
070101	livestock			1		2			1	2	1		1	1				1	1			1	2	3		17	livestock
010909	other sand and stone products							1	2		2	1	2	1		2			1		1			1		14	other sand and stone products
010109	other foods									2	1					2			1		2		1	3		12	other foods
030110	water supply/sewage construction work					2						2					3			1	2		1			11	water supply/sewage construction work
011209	other metal products			1				1	1				1			1			2				2			9	other metal products
011709	other manufacturing							1			1				1			1	1				1	1		7	other manufacturing
030302	machinery/apparatus setting work							1	1						1		2							1		6	machinery/apparatus setting work
070209	other fishery							1					2										2			5	other fishery
080204	fuel retail			2						1							1							1		5	fuel retail
120101	auto mobile practical training									2		1			1		1									5	auto mobile practical training
010402	plywood							1	1										1				1			4	plywood
010901	cement products							2			1								1							4	cement products
011301	machine products										1													3		4	machine products
020202	gravel digging			1						1					1		1									4	gravel digging
040101	railroad service					1					1				1		1									4	railroad service
040302	specific truck transportation service			1									1			1					1					4	specific truck transportation service

