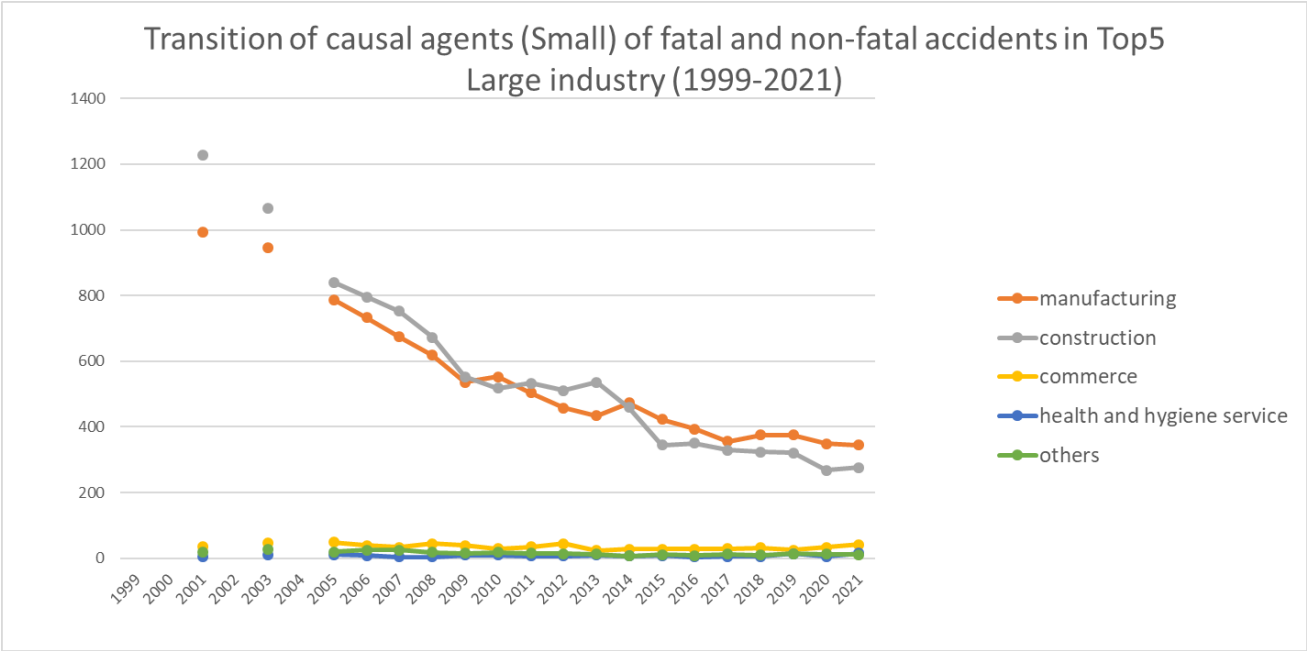
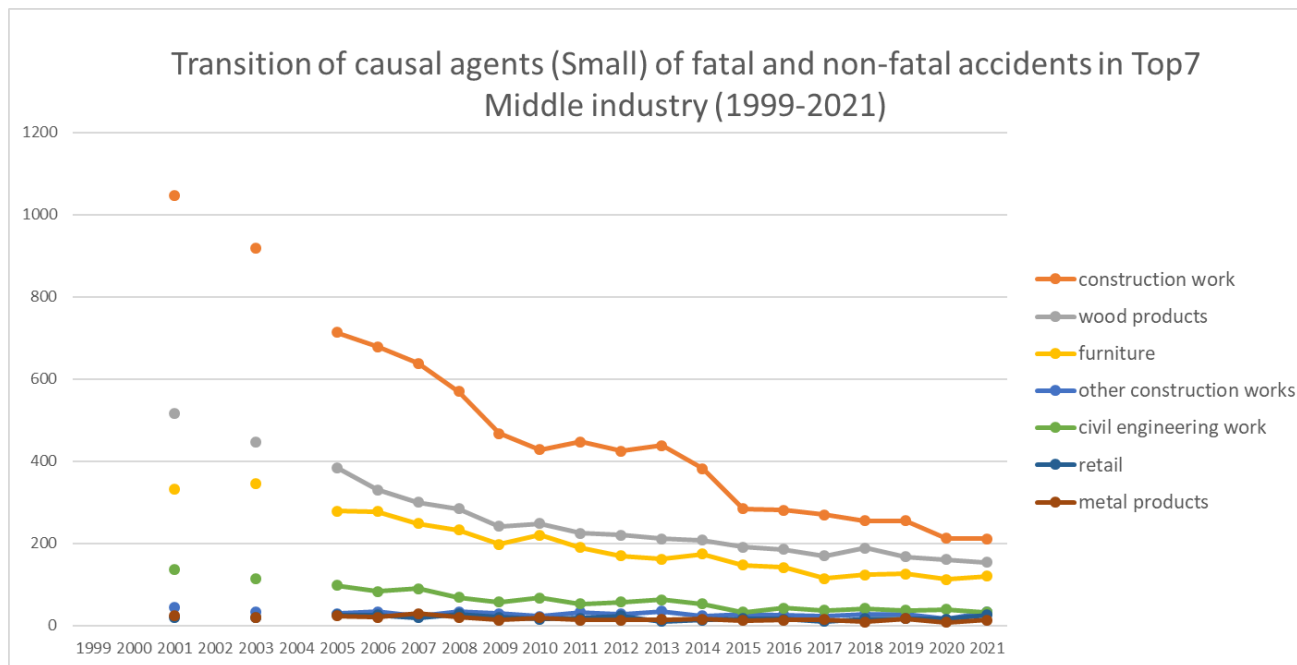


Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 131 circular sawing machine (1999-2021)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 131 circular sawing machine in Large industry (1999-2021)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 131 circular sawing machine in Middle Industry (1999-2021)

Transition of causal agents (Small) of fatal and non-fatal accidents in Top10 Small industry (1999-2021)

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 131 circular sawing machine in Small Industry (1999-2021)

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 131 circular sawing machine in Large industry (1999-2021)

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	total	Large industry
01	manufacturing			993		946		787	733	674	618	536	553	504	457	434	473	423	393	356	375	375	348	345	10,323	manufacturing
03	construction			1,228		1,065		840	795	752	672	553	517	533	510	536	459	345	350	329	324	320	267	276	10,671	construction
08	commerce			36		47		48	39	33	44	38	29	35	44	23	28	28	28	29	32	24	33	41	659	commerce
13	health and hygiene service			4		10		11	8	4	4	9	9	7	6	9	7	8	4	5	5	13	5	15	143	health and hygiene service
17	others			17		26		19	24	24	18	15	17	15	14	12	7	10	8	12	9	14	12	10	283	others
06	agriculture			24		11		12	3	10	9	4	8	13	12	10	11	6	4	7	5	8	5	9	171	agriculture
14	hotel/restaurant/amusement service			17		9		4	4	10	9	5	6	11	8	8	4	13	5	5	3	8	6	8	143	hotel/restaurant/amusement service
	commercial cleaning and																									commercial cleaning and

15	livestock process			15		21		17	9	19	8	15	15	9	13	9	10	12	16	14	11	19	18	7	257	livestock process
12	education/research service			1		2		8	2	5	4	5	5	6	6	8	3	6	8	6	3	9	5	4	96	education/research service
05	cargo handling service			8		5		9	11	4	5	4	4	6	3	3	8	4	4	1	2	5	3	3	92	cargo handling service
04	transportation service			19		18		12	6	12	20	9	12	9	9	11	7	9	9	10	2	5	9	1	189	transportation service
07	livestock/fishery			1		8		4	4	2	5	1	2	4	7		4	2	4	1	1	3	3	1	57	livestock/fishery
10	movie/play service			1				2	1	4	2	3	1		2	1	2	2	1	2	1		2	1	28	movie/play service
09	financial business/advertisement			3		2		1	1	1			3	1	2	1	3		3				1		22	financial business/advertisement
16	public office			2				1	1		1	1	1		1		1	1	1			1	4		16	public office
02	mining			1		2		1				1					1	1	1		1	1			10	mining
11	telecommunication service									1															1	telecommunication service
	total			2,370		2,172		1,776	1,641	1,555	1,419	1,199	1,182	1,153	1,094	1,065	1,028	870	839	777	774	805	721	721	23,161	total

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 131 circular sawing machine in Middle industry (1999-2021)

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	total	Middle industry
0302	construction work			1,046		919		713	678	638	569	467	428	447	425	438	382	284	281	270	255	255	212	211	8,918	construction work
0104	wood products			517		446		384	330	300	284	241	248	225	220	211	208	191	185	170	189	167	161	154	4,831	wood products
0105	furniture			331		345		279	277	248	233	198	220	190	170	162	174	147	141	114	123	126	112	120	3,710	furniture
0303	other construction works			45		32		29	34	24	34	29	22	33	28	35	24	28	26	22	28	28	16	33	550	other construction works
0301	civil engineering work			137		114		98	83	90	69	57	67	53	57	63	53	33	43	37	41	37	39	32	1,203	civil engineering work
0802	retail			20		19		26	26	19	28	20	16	18	23	10	14	17	16	10	17	17	16	26	358	retail
0112	metal products			25		19		23	20	29	20	14	19	14	13	15	16	12	14	15	9	17	8	14	316	metal products
0108	chemical products			19		23		29	28	18	12	14	14	22	12	12	11	20	13	14	15	12	10	13	311	chemical products
0115	transport equipment products			10		13		14	14	7	7	8	4	2	3	2	8	5	5	5	7	13	10	12	149	transport equipment products
1302	social welfare facility			2		10		8	8	3	4	5	7	7	6	7	6	7	4	4	4	12	4	12	120	social welfare facility

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0803	haircut/beauty salon									1															1	haircut/beauty salon
0901	financial business														1										1	financial business
1101	telecommunication service								1																1	telecommunication service
0201	coal mining																									coal mining
	total			2,370		2,172		1,776	1,641	1,555	1,419	1,199	1,182	1,153	1,094	1,065	1,028	870	839	777	774	805	721	721	23,161	total

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 131 circular sawing machine in Small industry (1999-2021)

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030302	machinery/apparatus setting work			7		4		3	5	4	4	4	3	3	1	8	1	2	2	3	1	4	3	2	64	machinery/apparatus setting work
080201	all kinds of retail			2		5		4	5	2	5	4	2	1	1	2	1	2	1		2		1	2	42	all kinds of retail
010109	other foods			1		1		1	1		4	3	1		3	1	1			2	2	4	5	2	32	other foods
060201	lumbering			6		2		1	1		2	2	1	4	1	4	1			1	1	1		2	30	lumbering
011002	casting products							1	1	2	2	4	1	2	2		2	2		1			1	2	23	casting products
050202	port cargo handling service			3		3		2	2		2	1		2			1		1	1		2		2	22	port cargo handling service
130101	hospital			2				3				1				1		1			1			2	11	hospital
010902	glass products			1									1				2							2	6	glass products
040301	general truck transportation service			17		16		10	6	7	19	7	11	7	9	9	6	6	8	8	1	4	7	1	159	general truck transportation service
010909	other sand and stone products			6		15		3	3	13	5	3	3	6	2	1	1	6	5	1	1	4	3	1	82	other sand and stone products
030110	water supply/sewage construction work			11		5		6	5	7	10	4	3	2	8	2	1	3	3	1	1			1	73	water supply/sewage construction work
050101	land cargo handling service			5		2		7	8	4	2	3	4	2	3	3	6	4	3		2	1	3	1	63	land cargo handling service
060209	other forestry			14		6		3		5	3	1	3	2	3					3	2	2		1	48	other forestry
150101	building maintenance service			4		2		3		1	1	2	1		1	3	2	4	3	3	3	6	6	1	46	building maintenance service
030105	bridge construction work			3		7		6		2	2	1	5	1	3		5		1		3	1	1	1	42	bridge construction work
150103	other waste disposal service			2		5		6	1	2	1	2	4		4			2	3	2	1	4	2	1	42	other waste disposal service
011701	auto mobile servicing			4		4		4	3	2	3	2	1	4		2	4	1	1	2	1	2		1	41	auto mobile servicing
070101	livestock			1		6		3	4	1	3	1	1	4	5		3	1	3	1	1	1	1	1	41	livestock
140309	other amusement service			4		2				2	1	2	3		4		1	3	2	3		2	2	1	32	other amusement service
011409	other electrical equipment			1				4	3	1	2	2	1		1	2	1	2	3	2		2	1	1	29	other electrical equipment
140301	golf course			6		5			2	2	3	1			2	1	2	3						1	28	golf course
010899	other chemical products			2		3		4	2	2	1	1	1				3			1	1	1		1	23	other chemical products
011203	metal press products			3		1		1		2	1	1	2		1		1		1	1		3	1	1	20	metal press products
080102	furniture/fittings wholesale					1			1	1	1	1				1		4		2	2		3	1	18	furniture/fittings wholesale

010102	fishery products			1		1		2	3	2	1	1	1	1			1	1			1		1	17	fishery products	
011702	machine repair			1		1		3		1	2	1	1	1		1	1			2			1	1	17	machine repair
011305	other precision machine products					3		1	2	2			1	1	1				1	1			2	1	16	other precision machine products
010701	printing service			4		2		1				3			1				1			2		1	15	printing service
010801	non organic or organic chemical products					1		2	2	1	1	1	3	1					1	1				1	15	non organic or organic chemical products
011403	electronics equipment and telecommunications apparatus			1		3			1	1	1		1	1		2				1			1	1	14	electronics equipment and telecommunications apparatus
080204	fuel retail			1		1		1		2	1	1		1	2	1						1		1	13	fuel retail
030111	port/seaside construction work			1		1		1								1	1				1	1	2	1	10	port/seaside construction work
100101	movie production and delivery service			1						2	1	1	1				1			1	1			1	10	movie production and delivery service
170101	dispatch service					1		1	1	1				1	2				1	1				1	10	dispatch service
011401	heavy electrical equipment					1				1	1				1	1						1		1	7	heavy electrical equipment
130301	bathhouse											1	1				1			1			1	1	6	bathhouse
010103	agricultural food products					1																	1	1	3	agricultural food products
010203	weaving			2																				1	3	weaving
010802	chemical fiber			1																				1	2	chemical fiber
030107	river civil engineering work			7		8		5	7	3	5	4	5	2	1	6	1	3	2	1	2	2	9		73	river civil engineering work
150109	other cleaning and livestock process service			3		5		1	4	4	1	4	3		2	3	2	1	3	1	1	2	3		43	other cleaning and livestock process service
010602	paper processing products			3		2		2	4	3		1	3	2	3	1	1	1	2		2	1	3		34	paper processing products
080203	furniture/fittings retail							3	3	1	3	2	1	1	1	2	2	1	2	1	1	1			25	furniture/fittings retail
090209	other advertisement and mediator			3		2		1	1	1			3	1	2	1	2		3				1		21	other advertisement and mediator

030108	sand collapse prevention civil engineering work			3		3		2		3	1	1		2	1		2			1		1			20	sand collapse prevention civil engineering work
100109	other movie/play service						2	1	2	1	2			2	1	1	2	1	1			2			18	other movie/play service
160101	public office			2			1	1		1	1	1		1		1	1	1			1	4			16	public office
080401	warehousing			1		3				1	1	1		4		2				1		1			15	warehousing
140302	park and amusement park			2			1	1		2	1			2	3		1		1		1				15	park and amusement park
011109	other nonferrous metal products			1		2		2	2		1		1	2	1		1	1							14	other nonferrous metal products
030102	tunnel construction work			1		2		2	1	1	1				1			2	2						13	tunnel construction work
080101	all kinds of wholesale			1		1		1	1		2			1	2				2		1	1			13	all kinds of wholesale
030104	railway construction work			1			1		1	4		2				1			1			1			12	railway construction work
010101	meat/dairy products			1		3		2	1	1				1				1			1				11	meat/dairy products
011009	other steel products			1		2		2			1	1	1	2					1						11	other steel products
070209	other fishery					1		1		1	1		1				1	1	1			2	1		11	other fishery
010806	rubber products					1			2		1	3	1					1				1			10	rubber products
010502	metal furniture			1				2	2	1		1								1		1			9	metal furniture
010601	pulp/paper			1		1			1	1	1				1				1			2			9	pulp/paper
170201	security service			1				1			1	1	1				1	1				1	1		9	security service
010903	pottery products			1		1		1						1			1	1	1			1			8	pottery products
010104	bread/cake products			1						1	1				1				2	1					7	bread/cake products
010809	chemical fertilizer products					1		2	1	1				1							1				7	chemical fertilizer products
011001	steel/iron/rolling products			1							1					1	1	1			1		1		7	steel/iron/rolling products
011302	measuring instruments			1		1					2	1	1					1							7	measuring instruments
030101	hydroelectric plant construction work			3								1	1										2		7	hydroelectric plant construction work
080202	auto mobile retail			1		1						1		1							1	1	1		7	auto mobile retail
010209	other textile products			1					1	1	1										2				6	other textile products
	nonferrous metals/rolling																									nonferrous metals/rolling

011101	products			1				1				1			1	1					1		6	products
011102	nonferrous metals casting products			2													1			1	2		6	nonferrous metals casting products
040101	railroad service			1		1					1				1	1				1			6	railroad service
040302	specific truck transportation service			1					1		1					1		1			1		6	specific truck transportation service
010309	other fiber products			2				1	1						1								5	other fiber products
010808	painting products			2					1					1							1		5	painting products
010905	other ceramic products													1				1			1	2	5	other ceramic products
011201	western tableware/cutting tool products			2					1		1				1								5	western tableware/cutting tool products
011204	metal plating products							1					1				1				1		5	metal plating products
011503	railway vehicle products							1		1	1					1					1		5	railway vehicle products
020201	quarrying					1		1				1				1		1					5	quarrying
040202	bus service							1		1		1				1					1		5	bus service
070201	fishery					1				1					2							1	5	fishery
120101	auto mobile practical training							1				1				1	1		1				5	auto mobile practical training
010105	alcoholic drinks					1									1			1			1		4	alcoholic drinks
010709	other printing and bookbinding									1					1		1				1		4	other printing and bookbinding
010807	leather products								2			2											4	leather products
010904	fire resisting products					1				1							1					1	4	fire resisting products
011402	electrical appliance								1	1							1					1	4	electrical appliance
040309	other land cargo transportation service									1				1		1			1				4	other land cargo transportation service
050209	other harbor transportation service													1			1					2	4	other harbor transportation service
010803	pharmaceuticals										1							1				1	3	pharmaceuticals

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040209	other passenger transport service										1													1	other passenger transport service
080205	newspaper retail										1													1	newspaper retail
080302	beauty salon										1													1	beauty salon
090109	other financial business															1								1	other financial business
110101	telecommunication service										1													1	telecommunication service
130102	general clinic												1											1	general clinic
140209	other restaurants															1								1	other restaurants
010201	silk-reeling																								silk-reeling
011303	optical instruments																								optical instruments
011304	watch products																								watch products
011601	electric utility service																								electric utility service
011609	other electric/gas/water service																								other electric/gas/water service
020101	general coal mining																								general coal mining
020109	other coal mining																								other coal mining
020301	metal mining																								metal mining
020302	petroleum mining																								petroleum mining
040103	airline service																								airline service
080301	haircut																								haircut
090101	banking/trust business																								banking/trust business
090102	stock/commodity trade business																								stock/commodity trade business
090103	insurance business																								insurance business
090201	traveling service																								traveling service
100102	movie theatre																								movie theatre
150104	cremation service																								cremation service
150105	livestock process service																								livestock process service

