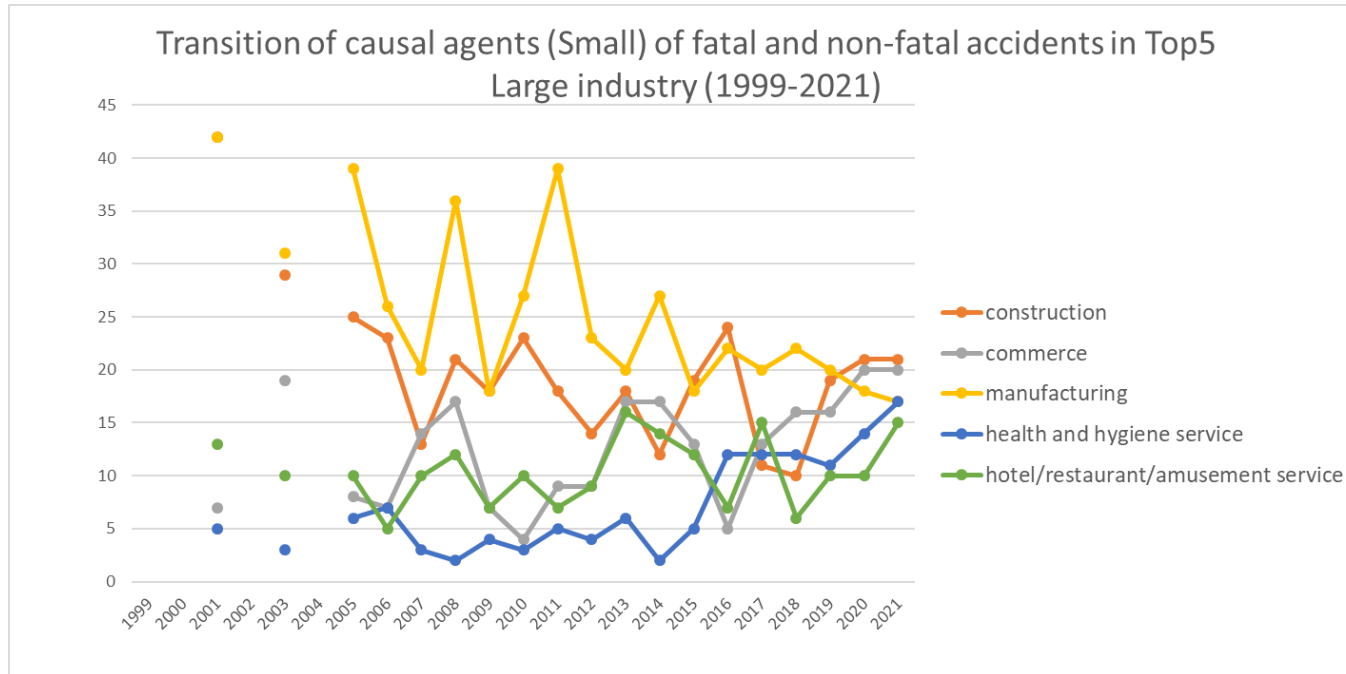
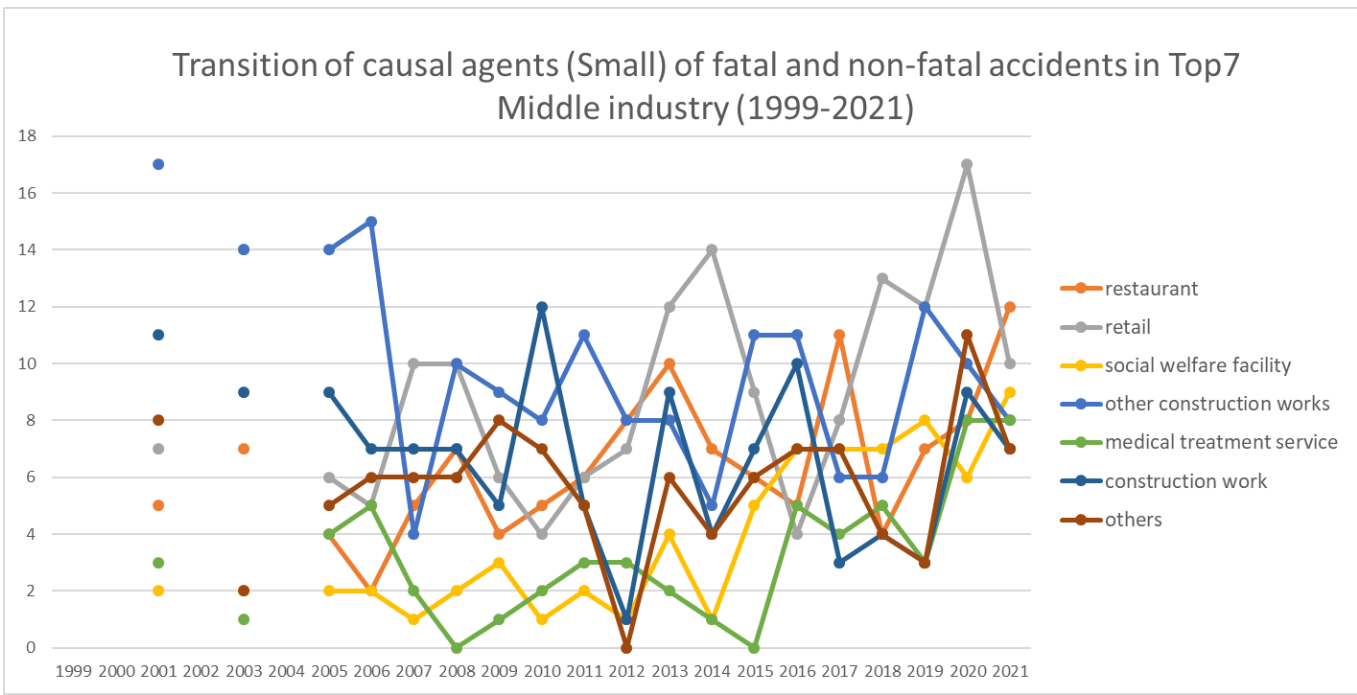


Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 359 other electrical equipment (1999-2021)

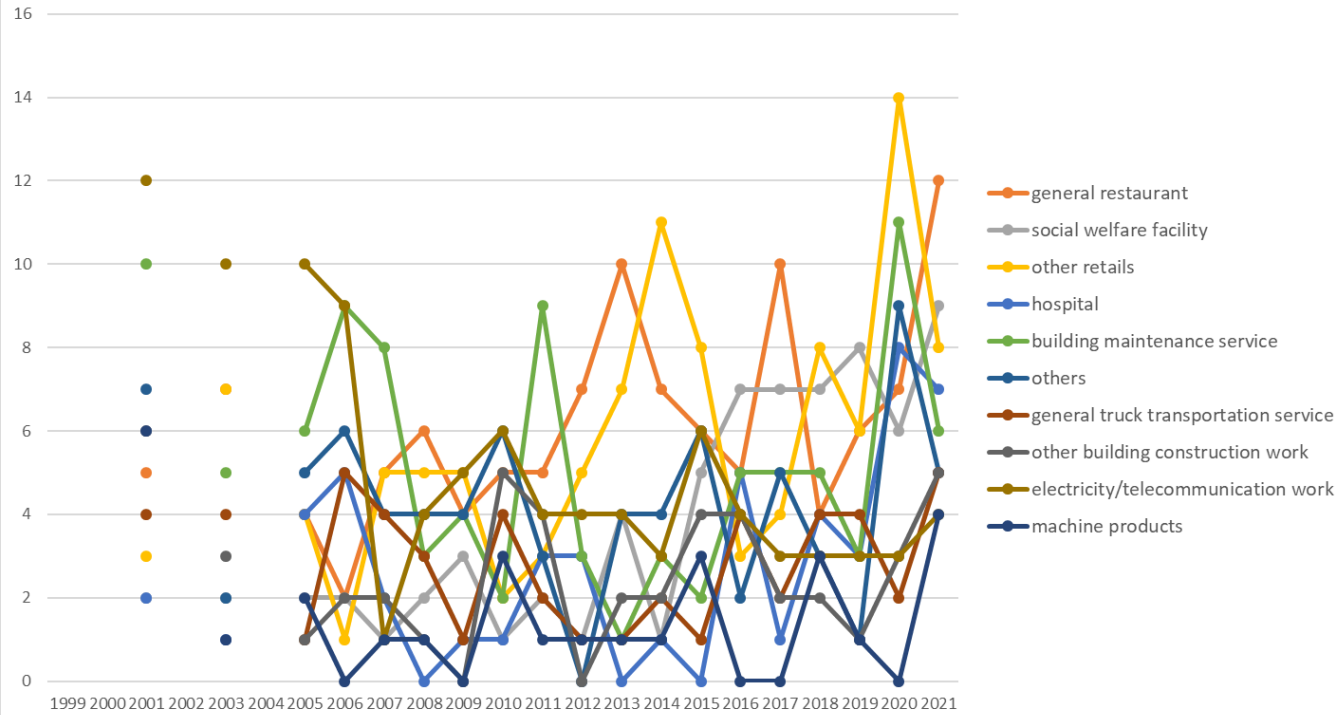


Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 359 other electrical equipment in Large industry (1999-2021)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 359 other electrical equipment 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. 359 other electrical equipment in Small Industry (1999-2021)

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 359 other electrical equipment 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
03	construction			42		29		25	23	13	21	18	23	18	14	18	12	19	24	11	10	19	21	21	381	construction
08	commerce			7		19		8	7	14	17	7	4	9	9	17	17	13	5	13	16	16	20	20	238	commerce
01	manufacturing			42		31		39	26	20	36	18	27	39	23	20	27	18	22	20	22	20	18	17	485	manufacturing
13	health and hygiene service			5		3		6	7	3	2	4	3	5	4	6	2	5	12	12	12	11	14	17	133	health and hygiene service
14	hotel/restaurant/amusement service			13		10		10	5	10	12	7	10	7	9	16	14	12	7	15	6	10	10	15	198	hotel/restaurant/amusement service
17	others			9		2		6	6	6	6	9	7	5		7	4	6	7	7	5	3	11	7	113	others
	commercial cleaning and																									commercial cleaning and

15	livestock process			13	5	6	11	10	3	5	3	11	3	3	4	2	8	6	8	4	13	6	124	livestock process
04	transportation service			5	5	3	5	4	6	1	5	2	1	2	4	1	5	2	6	5	4	6	72	transportation service
12	education/research service			1				2				1		1	1				2	1	3	2	14	education/research service
07	livestock/fishery				2		1	1		1	2		2	1	1			1	1	1		1	15	livestock/fishery
11	telecommunication service										1	1			1		1		1		1	1	7	telecommunication service
10	movie/play service						1	1											1			1	4	movie/play service
09	financial business/advertisement			1	1	1	2			2	1				1			1					10	financial business/advertisement
05	cargo handling service					1	1	1	1								1		1				6	cargo handling service
06	agriculture				1		1					1											3	agriculture
16	public office					1			1												1		3	public office
02	mining														1								1	mining
	total			138	108	106	96	85	105	72	86	99	65	91	89	76	92	88	91	90	116	114	1,807	total

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 359 other electrical equipment 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
1402	restaurant			5	7	4	2	5	7	4	5	6	8	10	7	6	5	11	4	7	8	12	123	restaurant		
0802	retail			7	14	6	5	10	10	6	4	6	7	12	14	9	4	8	13	12	17	10	174	retail		
1302	social welfare facility			2	2	2	2	1	2	3	1	2	1	4	1	5	7	7	7	8	6	9	72	social welfare facility		
0303	other construction works			17	14	14	15	4	10	9	8	11	8	8	5	11	11	6	6	12	10	8	187	other construction works		
1301	medical treatment service			3	1	4	5	2		1	2	3	3	2	1		5	4	5	3	8	8	60	medical treatment service		
0302	construction work			11	9	9	7	7	7	5	12	5	1	9	4	7	10	3	4	3	9	7	129	construction work		
1702	others			8	2	5	6	6	6	8	7	5		6	4	6	7	7	4	3	11	7	108	others		
	commercial cleaning and livestock																									commercial cleaning

1501	process			13		5		6	11	10	3	5	3	11	3	3	4	2	8	6	8	4	13	6	124	and livestock process	
0301	civil engineering work			14		6		2	1	2	4	4	3	2	5	1	3	1	3	2		4	2	6	65	civil engineering work	
0101	food products			7		4		6	7	3	4	4	5	12	6	5	7	4	11	4	3	4	3	5	104	food products	
0403	road cargo transportation service			5		5		1	5	4	3	1	4	2	1	1	2	1	5	2	4	4	2	5	57	road cargo transportation service	
0803	haircut/beauty salon					1		2			1			1			1	1	1	2	1		1	5	17	haircut/beauty salon	
0113	machine products			7		4		2	2	1	4		3	1	2	1	2	3		1	4	2		4	43	machine products	
1401	hotel			5		2		3	2	2	3	1	3			2	5	4		2	1	1	2	3	41	hotel	
0804	other commerce					3			2	1	3	1		1	2	4	2	1		2			1	3	26	other commerce	
0114	electrical equipment products			2		8		6	5	4	6	3	1	5	2	3	3	4	4	6	3	5	3	2	75	electrical equipment products	
0112	metal products			3		4		2	4	2	5	2	3	4		3	2	1		5	1		1	2	44	metal products	
0108	chemical products			2		1		1		1	2	2	2	1	2	2	1	1		2	2	2	4	2	30	chemical products	
0801	wholesale					1					3	3			1		1		2		1	2	4	1	2	21	wholesale
1201	education/research service			1						2				1		1	1				2	1	3	2	14	education/research service	
0115	transport equipment products			7		2		4	2	1	4	1	2	4	2	1	4	2	2	1	1	3	1	1	45	transport equipment products	
0701	livestock					1				1	1		1	2		1	1	1			1			1	11	livestock	
0401	railroad/water transportation/airline service							1			1		1			1	1				2	1	1	1	10	railroad/water transportation/airline service	
0104	wood products							2		2	1							1			1		1	8	wood products		
1101	telecommunication service												1	1			1		1		1		1	1	7	telecommunication service	
1001	movie/play service								1	1										1			1	4	movie/play service		
0117	other manufacturing			3		3		4	2	4	7	2	3	5	5		3		2		2	2	4		51	other manufacturing	

1403	other amusement service			3		1		3	1	3	2	2	2	1	1	4	2	2	2	2	1	2			34	other amusement service
0110	steel making			2		2		2			1	2	3		1	3	1	2		1					20	steel making
0109	sand and stone products					2		4	1		1	2	2	3	2	1				1					19	sand and stone products
0103	fiber products			2		1		2		1	2		1	1		1				1	1	1			14	fiber products
0901	financial business			1		1			2		2	1			1			1							9	financial business
0102	textile products			1				2	1	1		1	1							1					8	textile products
0106	pulp/paper processing products			1				1					1	1		2		1			1				8	pulp/paper processing products
0111	nonferrous metal making			2				1			1						1					1			6	nonferrous metal making
0501	land cargo handling service							1	1	1	1							1		1					6	land cargo handling service
0116	electric/gas/water service			2					1		1									1					5	electric/gas/water service
0402	road passenger transport service							1			2					1						1			5	road passenger transport service
1701	dispatch service			1				1				1			1					1					5	dispatch service
0702	fishery					1								1					1		1				4	fishery
0107	printing/bookbinding			1								1							1						3	printing/bookbinding
0601	agriculture					1			1					1											3	agriculture
1601	public office							1			1											1			3	public office
0105	furniture								1						1										2	furniture
0202	quarrying															1									1	quarrying
0902	advertisement and mediator							1																	1	advertisement and mediator



030199	other civil engineering work			8		1			1	1	1	1	2		1		1			1			2	4	24	other civil engineering work	
010109	other foods			4		4		2	2		2	3	4	9	3	2	4	2	8	1	2	3	1	3	59	other foods	
140101	hotel			5		2		3	2	2	3	1	3			2	5	4		2	1	1	2	3	41	hotel	
080409	other commerce					3			1	1	2	1			1	2	4	2	1		1			1	3	23	other commerce
080302	beauty salon							2			1				1			1		1				3	10	beauty salon	
030309	other construction works			2				2	4	1	3				4	2	2		4	4	3	1	8	3	2	45	other construction works
030302	machinery/apparatus setting work			3		4		2	2	2	3	4	2	3	2	2	2	1	3		2	1	4	2	44	machinery/apparatus setting work	
011209	other metal products			2		3		2	3	2	4	1	3	4		3	2	1		5	1		1	2	39	other metal products	
170201	security service			1						2	2	4	1	2		2			5	2	1	2	2	2	28	security service	
080109	other wholesale					1				3	3			1		1		2		1	2	4	1	2	21	other wholesale	
010104	bread/cake products			1				1	3	1	2				1	1	1	1	1		1	1		2	18	bread/cake products	
120109	other education/research service			1						1					1		1	1			2	1	3	2	13	other education/research service	
080301	haircut					1												1		2			1	2	7	haircut	
080201	all kinds of retail			1		6		2	4	3	4		2	3	2	4	1	1		3	3	5	1	1	46	all kinds of retail	
011409	other electrical equipment			1		5		3	2	3	4		1	3	1	1	2	3		4		3		1	37	other electrical equipment	
030201	steel frame/reinforced concrete house construction work			2		3		6	1	2	2	3	2	1		2	2	2	1		1	1	2	1	34	steel frame/reinforced concrete house construction work	
030203	building facility construction work			2		3		1	3	1	2	1	2		1	3			2	1	1	1	3	1	28	building facility construction work	
011502	auto mobile products			2		2		2			3	1	1		1		2	1	1			1	1	1	19	auto mobile products	
030106	road construction work			3		1				1		2			3		2		1			1		1	15	road construction work	
011403	electronics equipment and telecommunications apparatus					1				3		1			1	1			2	1	1	1	1	1	14	electronics equipment and telecommunications apparatus	



070101	livestock					1			1	1		1	2		1	1	1			1			1	11	livestock		
080204	fuel retail					1			1	1	1					2				2	1		1	10	fuel retail		
040101	railroad service						1			1					1	1				1	1		1	8	railroad service		
110101	telecommunication service										1	1			1		1			1		1	1	7	telecommunication service		
130109	other medical treatment service				1										1				1	1			1	6	other medical treatment service		
010899	other chemical products						1								1		1				1		1	5	other chemical products		
010402	plywood																				1		1	2	plywood		
100101	movie production and delivery service								1														1	2	movie production and delivery service		
010807	leather products																						1	1	leather products		
030102	tunnel construction work																						1	1	tunnel construction work		
011501	ship building			4			2	2	1	1		1	4	1	1	1		1	1					20	ship building		
011703	cleaning					2		2		1	2	2	3	1			2				1	1	3		20	cleaning	
140309	other amusement service				2			2	1	3		1	1	1		3		2	2	1					19	other amusement service	
030202	wooden house construction work				1			1	1	2	2	1	3			2		1	3				1		18	wooden house construction work	
011401	heavy electrical equipment					1		3		1	1	1		2		1	1	1		1			1		14	heavy electrical equipment	
011709	other manufacturing				1			1	1	1	3			3	3		1								14	other manufacturing	
010101	meat/dairy products				1			2	2				1		1	1				1	1				11	meat/dairy products	
010805	plastics products					1				1	1	2	1	1						1	1	1	1		11	plastics products	
011701	auto mobile servicing				1		1		1	1				1	1				2		1	1			11	auto mobile servicing	
150109	other cleaning and livestock process service				1					1	1				1		1			2		2	1	1		11	other cleaning and livestock process service
010102	fishery products				1			1		1				1		1			2				2		10	fishery products	
011002	casting products				1		1		1				1	1		2	1	1		1					10	casting products	
011402	electrical appliance				1		1					1	1						2		2	1	1		10	electrical appliance	

140301	golf course			1		1		1		1	1		1	1					1	1			10	golf course		
010309	other fiber products			2		1		2		1					1					1	1			9	other fiber products	
011001	steel/iron/rolling products					1		1				1	3		1	1		1						9	steel/iron/rolling products	
010901	cement products					1		3						2		1	1							8	cement products	
010909	other sand and stone products					1		1	1					1		1	1							7	other sand and stone products	
011305	other precision machine products			1		2									1				1	1				7	other precision machine products	
080202	auto mobile retail			3											1			1	1				1	7	auto mobile retail	
010806	rubber products			1						1					1								3	6	rubber products	
011702	machine repair			1					1	1	1					1							1	6	machine repair	
030110	water supply/sewage construction work			1												1				1			1	6	water supply/sewage construction work	
050101	land cargo handling service							1	1	1	1							1					1	6	land cargo handling service	
090103	insurance business			1						2			1	1						1				6	insurance business	
140209	other restaurants										1				1	1							1	1	6	other restaurants
150102	industrial waste management service									1	1				1								1	1	6	industrial waste management service
010301	over/under wear										2			1	1								1		5	over/under wear
010801	non organic or organic chemical products			1											1								1		5	non organic or organic chemical products
011302	measuring instruments								1			3											1		5	measuring instruments
030104	railway construction work			1		1									1	1									5	railway construction work
030109	land consolidation civil engineering work														1								1		5	land consolidation civil engineering work
140302	park and amusement park														1								2		5	park and amusement park
150103	other waste disposal service			2																			1		5	other waste disposal service

170101	dispatch service			1			1			1			1				1				5	dispatch service
010103	agricultural food products											1	1	1			1				4	agricultural food products
010203	weaving			1				1		1								1			4	weaving
010409	other lumber and wood products						1		2	1											4	other lumber and wood products
010602	paper processing products			1			1									1					4	paper processing products
011509	other transport equipment products			1											1	1			1		4	other transport equipment products
030105	bridge construction work					2								1			1				4	bridge construction work
040202	bus service						1			1					1					1	4	bus service
010902	glass products											1	1						1		3	glass products
011204	metal plating products			1		1					1										3	metal plating products
011601	electric utility service							1		1									1		3	electric utility service
060101	agriculture					1		1				1									3	agriculture
070201	fishery					1												1		1	3	fishery
080401	warehousing							1		1								1			3	warehousing
090101	banking/trust business					1					1				1						3	banking/trust business
130102	general clinic													1				2			3	general clinic
160101	public office							1		1										1	3	public office
010202	cotton-spinning							1				1									2	cotton-spinning
010401	lumbering						1										1				2	lumbering
010601	pulp/paper													1				1			2	pulp/paper
010609	other pulp/paper processing products												1		1						2	other pulp/paper processing products
010701	printing service			1								1									2	printing service
011101	nonferrous metals/rolling products							1				1									2	nonferrous metals/rolling products

011102	nonferrous metals casting products			1																1	2	nonferrous metals casting products		
011109	other nonferrous metal products			1										1								2	other nonferrous metal products	
011203	metal press products						1	1														2	metal press products	
011303	optical instruments				1									1									2	optical instruments
011503	railway vehicle products																			2		2	railway vehicle products	
011603	city water service			2																			2	city water service
030107	river civil engineering work								1											1			2	river civil engineering work
040103	airline service																			1	1		2	airline service
040302	specific truck transportation service			1											1								2	specific truck transportation service
080205	newspaper retail							1													1		2	newspaper retail
100109	other movie/play service						1													1			2	other movie/play service
010105	alcoholic drinks															1							1	alcoholic drinks
010106	soft drinks							1															1	soft drinks
010204	dyeing					1																	1	dyeing
010209	other textile products						1																1	other textile products
010501	wood furniture												1										1	wood furniture
010503	fittings						1																1	fittings
010709	other printing and bookbinding																				1		1	other printing and bookbinding
010803	pharmaceuticals																				1		1	pharmaceuticals
010809	chemical fertilizer products													1									1	chemical fertilizer products
010903	pottery products												1										1	pottery products
011009	other steel products			1																			1	other steel products





