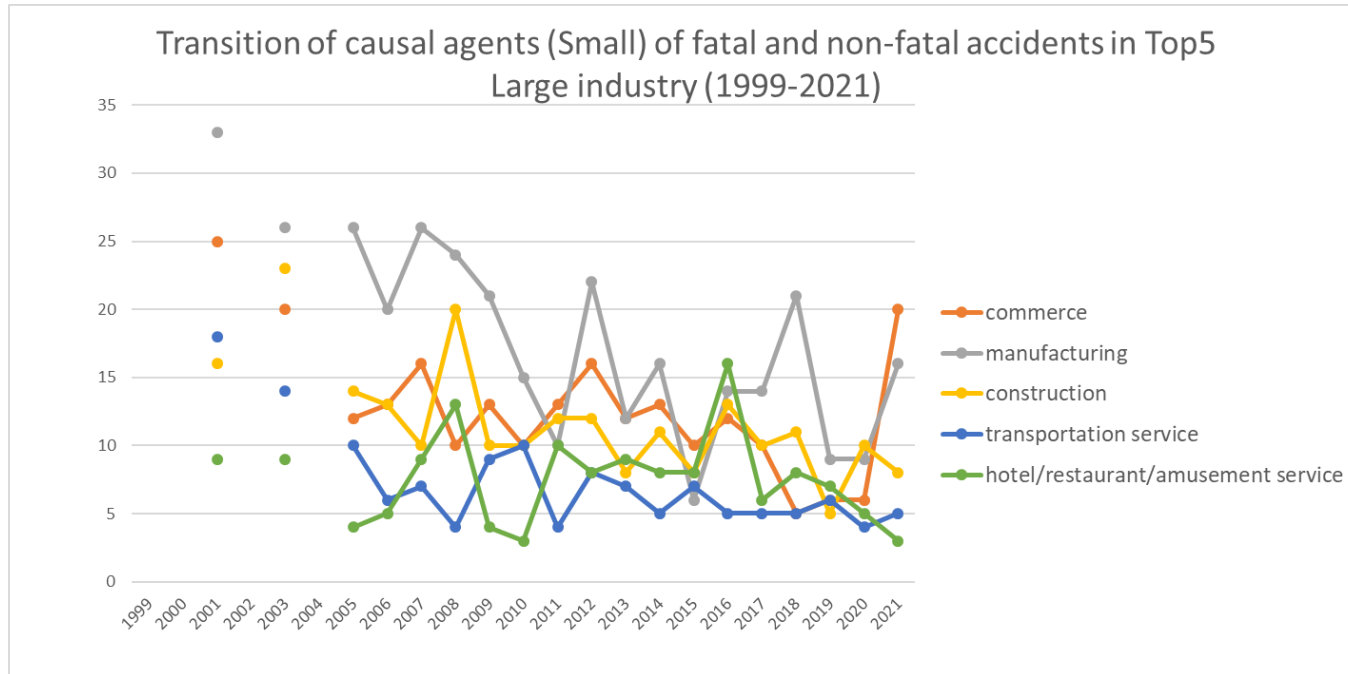
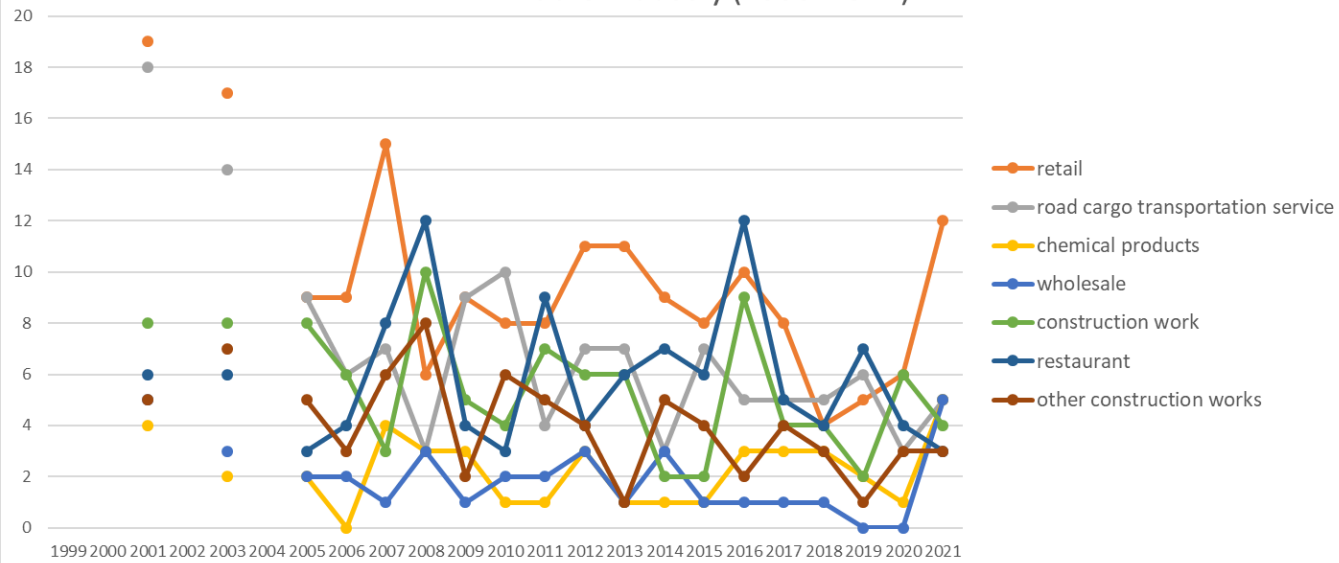


Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 319 other pressure vessels (1999-2021)



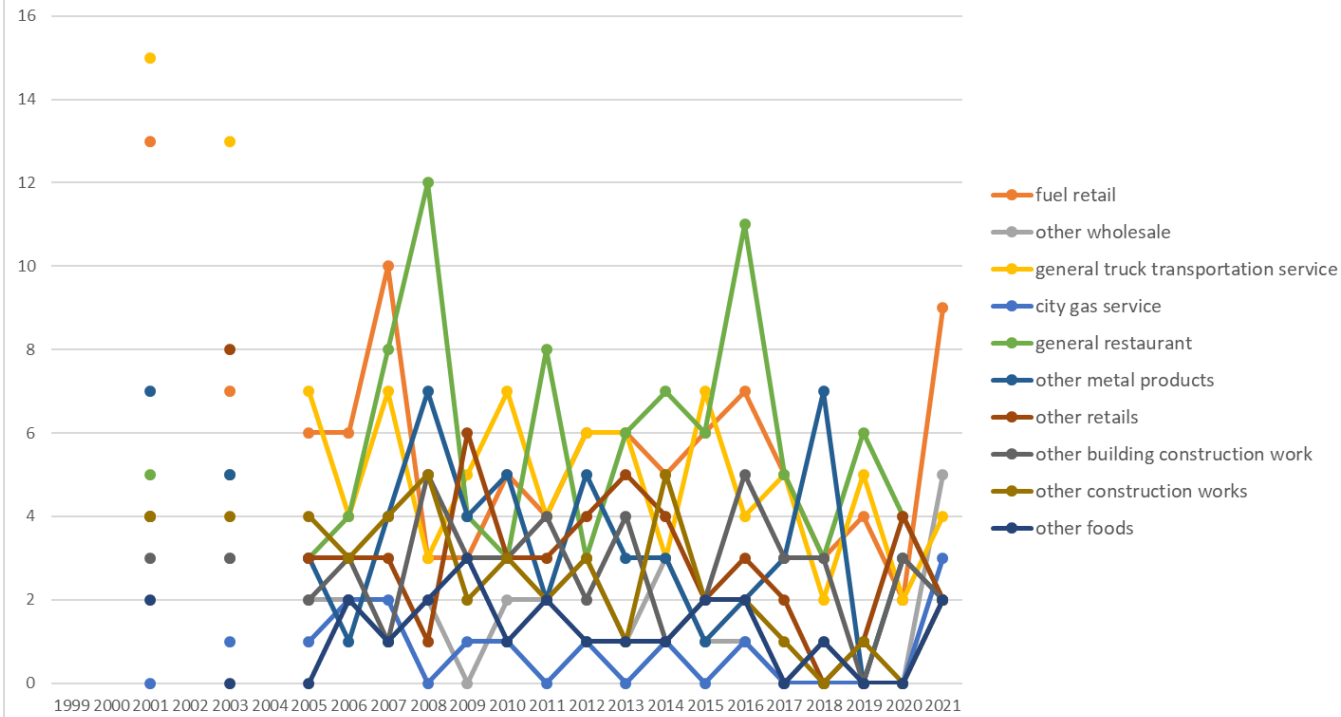
Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 319 other pressure vessels in Large industry (1999-2021)

Transition of causal agents (Small) of fatal and non-fatal accidents in Top7 Middle industry (1999-2021)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 319 other pressure vessels 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. 319 other pressure vessels in Small Industry (1999-2021)

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 319 other pressure vessels 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
08	commerce			25		20		12	13	16	10	13	10	13	16	12	13	10	12	10	5	6	6	20	242	commerce
01	manufacturing			33		26		26	20	26	24	21	15	10	22	12	16	6	14	14	21	9	9	16	340	manufacturing
03	construction			16		23		14	13	10	20	10	10	12	12	8	11	8	13	10	11	5	10	8	224	construction
04	transportation service			18		14		10	6	7	4	9	10	4	8	7	5	7	5	5	5	6	4	5	139	transportation service
14	hotel/restaurant/amusement service			9		9		4	5	9	13	4	3	10	8	9	8	8	16	6	8	7	5	3	144	hotel/restaurant/amusement service
13	health and hygiene service			1		2		4	2	2	3	5	2	3	5	1	3	5	3	3		3	3	2	52	health and hygiene service
17	others			4		8		3	3	2	3	3	1	3	2	4	1	1	1		4	1	3	1	48	others

05	cargo handling service			3		1			1	1		2						1				1			1	11	cargo handling service
10	movie/play service											1						1	1						1	4	movie/play service
15	commercial cleaning and livestock process			7		1		2		3	4	3	1	5	2	5	1	1	1				1			37	commercial cleaning and livestock process
07	livestock/fishery									1				1		1	1									5	livestock/fishery
12	education/research service			1		1		1																		3	education/research service
06	agriculture																1								1	2	agriculture
09	financial business/advertisement											1														2	financial business/advertisement
02	mining												1													1	mining
11	telecommunication service																										telecommunication service
16	public office																										public office
	total			117		105		76	63	76	82	71	54	61	75	59	63	47	65	49	55	38	41	57	1,254	total	

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 319 other pressure vessels 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	
0802	retail			19		17		9	9	15	6	9	8	8	11	11	9	8	10	8	4	5	6	12	184	retail	
0403	road cargo transportation service			18		14		9	6	7	3	9	10	4	7	7	3	7	5	5	5	6	3	5	133	road cargo transportation service	
0108	chemical products			4		2		2		4	3	3	1	1	3	1	1	1	3	3	3	2	1	5	43	chemical products	
0801	wholesale			5		3		2	2	1	3	1	2	2	3	1	3	1	1	1	1			5	37	wholesale	
0302	construction work			8		8		8	6	3	10	5	4	7	6	6	2	2	9	4	4	2	6	4	104	construction work	
1402	restaurant			6		6		3	4	8	12	4	3	9	4	6	7	6	12	5	4	7	4	3	113	restaurant	
0303	other construction works			5		7		5	3	6	8	2	6	5	4	1	5	4	2	4	3	1	3	3	77	other construction works	
																											electric/gas/water

0116	electric/gas/water service					1		1	2	2		2	1		1		1		1		1	3	17	service			
0112	metal products			7		6		4	1	4	8	4	5	2	5	3	4	1	3	3	7		3	2	72	metal products	
0101	food products			4		4		4	6	6	4	6	3	3	1	3	3	2	4		2	1	2	2	60	food products	
0115	transport equipment products			4		3		2		1	2	2	1	1	2	1					4	1	1		2	27	transport equipment products
0804	other commerce			1				1	2			3		3	2		1	1	1	1		1		2	19	other commerce	
1702	others			4		8		3	3	2	3	2	1	3	2	4	1	1	1		4	1	3	1	47	others	
0301	civil engineering work			3		8		1	4	1	2	3			2	1	4	2	2	2	4	2	1	1	43	civil engineering work	
1301	medical treatment service			1		2		4	1	1	1	1	2	3	5	1	2	2	2	3		2	3	1	37	medical treatment service	
0113	machine products			5		1		2	3	1	1	1	1	1	1	1	1	1	1	1	4	1	1	1	28	machine products	
0501	land cargo handling service			3		1			1	1		2				1							1		11	land cargo handling service	
1303	other health and hygiene service										1	4					1	1						1	8	other health and hygiene service	
0106	pulp/paper processing products					1				1				1	1									1	5	pulp/paper processing products	
1001	movie/play service											1				1	1						1		4	movie/play service	
0803	haircut/beauty salon									1													1		2	haircut/beauty salon	
0117	other manufacturing			6		6		5	3	2	3	2			4	2	4		2	2	3	1	1		46	other manufacturing	
1501	commercial cleaning and livestock process			7		1		2		3	4	3	1	5	2	5	1	1	1			1			37	commercial cleaning and livestock process	
1403	other amusement service					1		1	1		1			1	4	3		1	1		3		1		18	other amusement service	
1401	hotel			3		2			1							1	1	3	1	1					13	hotel	
0114	electrical equipment products								1		1	1	3		3			1							10	electrical equipment products	









100109	other movie/play service																				1	1	other movie/play service		
030199	other civil engineering work			3		7		1	2	1		1			1	2			1	2		1	22	other civil engineering work	
011701	auto mobile servicing			5		3		1	1	2		2			2		1	2	1				20	auto mobile servicing	
150102	industrial waste management service			1		1		2			2		1	4	1	1		1	1				15	industrial waste management service	
010104	bread/cake products			1		2		1	1	1		2	1			1		2		1		1	14	bread/cake products	
140309	other amusement service					1		1	1		1			4	2		1	1		2			14	other amusement service	
011709	other manufacturing							3	1						2	2	2				1	1	1	13	other manufacturing
040302	specific truck transportation service			1		1		1	2			3	2		1					1	1		13	specific truck transportation service	
140101	hotel			3		2				1					1	1	3	1	1				13	hotel	
150101	building maintenance service			4								2		1		3	1						11	building maintenance service	
011702	machine repair					3		1			3			2						1			10	machine repair	
030106	road construction work					1			1		2					1	1			2	2		10	road construction work	
010102	fishery products					1			1	3	1		1		1							1	9	fishery products	
030202	wooden house construction work					2		2	1				1	1	1			1					9	wooden house construction work	
080201	all kinds of retail			2		1				2	2			1				1					9	all kinds of retail	
010901	cement products					1		1	1	1				1		1				1			7	cement products	
130109	other medical treatment service							2					1	1	1						1	1	7	other medical treatment service	
130201	social welfare facility								1	1	1					1	2				1		7	social welfare facility	
011305	other precision machine products					1							1						1	1	2		6	other precision machine products	
030110	water supply/sewage construction work								1			1			1		1		2				6	water supply/sewage construction work	
150103	other waste disposal service			1							2	1			1	1							6	other waste disposal service	

010106	soft drinks						1		1		1											5	soft drinks		
010899	other chemical products									1	1					1		1		1			5	other chemical products	
011009	other steel products			1					1	1			1										5	other steel products	
011403	electronics equipment and telecommunications apparatus												3										4	electronics equipment and telecommunications apparatus	
011509	other transport equipment products			2					1														4	other transport equipment products	
070101	livestock												1		1	1							4	livestock	
080101	all kinds of wholesale			1						1	1												4	all kinds of wholesale	
080401	warehousing										1						1					1	4	warehousing	
140301	golf course												1		1							1	1	4	golf course
150109	other cleaning and livestock process service																					1	4	other cleaning and livestock process service	
010101	meat/dairy products							1	1			1											3	meat/dairy products	
010103	agricultural food products					1										1							1	3	agricultural food products
010105	alcoholic drinks			1				1	1															3	alcoholic drinks
010806	rubber products							2			1													3	rubber products
011109	other nonferrous metal products																							3	other nonferrous metal products
011409	other electrical equipment																							3	other electrical equipment
100102	movie theatre																							3	movie theatre
120109	other education/research service																							3	other education/research service
010409	other lumber and wood products																							2	other lumber and wood products
010602	paper processing products																							2	paper processing products

010808	painting products			2																		2	painting products		
010909	other sand and stone products			1					1														2	other sand and stone products	
011001	steel/iron/rolling products							1	1														2	steel/iron/rolling products	
011002	casting products																				2		2	casting products	
011201	western tableware/cutting tool products							1																2	western tableware/cutting tool products
011204	metal plating products							1																2	metal plating products
011402	electrical appliance								1															2	electrical appliance
011601	electric utility service																							2	electric utility service
011703	cleaning								1															2	cleaning
040202	bus service							1																2	bus service
060101	agriculture																							2	agriculture
130102	general clinic																							2	general clinic
170201	security service																							2	security service
010202	cotton-spinning																							1	cotton-spinning
010203	weaving																							1	weaving
010209	other textile products																							1	other textile products
010301	over/under wear																							1	over/under wear
010501	wood furniture																							1	wood furniture
010502	metal furniture																							1	metal furniture
010509	other furniture																							1	other furniture
010701	printing service																							1	printing service
010802	chemical fiber																							1	chemical fiber
010807	leather products																							1	leather products
011101	nonferrous metals/rolling products																							1	nonferrous metals/rolling products

011203	metal press products									1											1	metal press products					
011401	heavy electrical equipment																					1	heavy electrical equipment				
011503	railway vehicle products				1																		1	railway vehicle products			
011609	other electric/gas/water service																						1	other electric/gas/water service			
011704	tobacco products				1																			1	tobacco products		
020202	gravel digging											1												1	gravel digging		
030104	railway construction work																							1	railway construction work		
030109	land consolidation civil engineering work																							1	land consolidation civil engineering work		
030301	electricity/telecommunication work																							1	electricity/telecommunication work		
040101	railroad service														1										1	railroad service	
040102	water transportation service														1										1	water transportation service	
040201	taxi service																								1	taxi service	
040409	other transportation service																								1	other transportation service	
070209	other fishery									1															1	other fishery	
090101	banking/trust business														1										1	banking/trust business	
090103	insurance business																								1	insurance business	
130309	other health and hygiene service																								1	other health and hygiene service	
150105	livestock process service				1																				1	livestock process service	
170101	dispatch service																								1	dispatch service	
010201	silk-reeling																										silk-reeling
010204	dyeing																										dyeing
010309	other fiber products																										other fiber products



030101	hydroelectric plant construction work																					hydroelectric plant construction work
030102	tunnel construction work																					tunnel construction work
030103	subway construction work																					subway construction work
030105	bridge construction work																					bridge construction work
030107	river civil engineering work																					river civil engineering work
030108	sand collapse prevention civil engineering work																					sand collapse prevention civil engineering work
040103	airline service																					airline service
040209	other passenger transport service																					other passenger transport service
040303	cargo/ light automobile transportation service																					cargo/ light automobile transportation service
050201	general harbor transportation service																					general harbor transportation service
050202	port cargo handling service																					port cargo handling service
050209	other harbor transportation service																					other harbor transportation service
060201	lumbering																					lumbering
060209	other forestry																					other forestry
070201	fishery																					fishery
080102	furniture/fittings wholesale																					furniture/fittings wholesale
080203	furniture/fittings retail																					furniture/fittings retail
080205	newspaper retail																					newspaper retail
080301	haircut																					haircut
090102	stock/commodity trade business																					stock/commodity trade business

