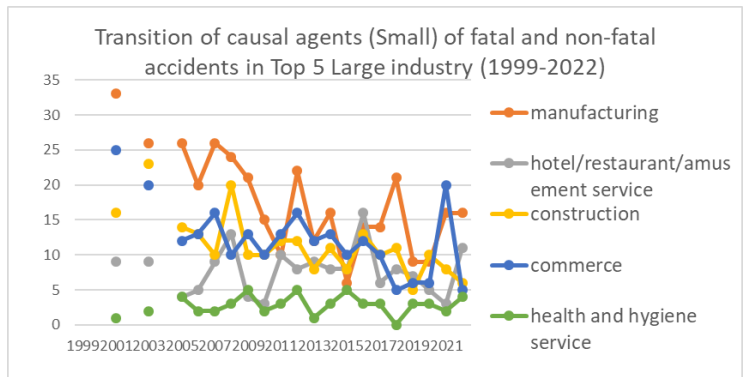
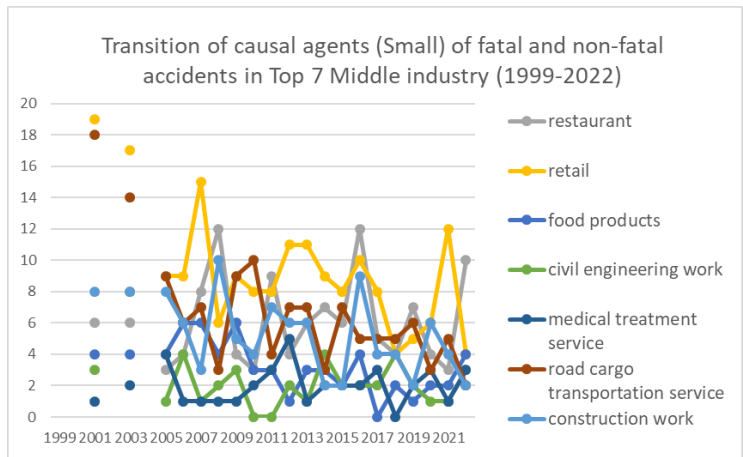


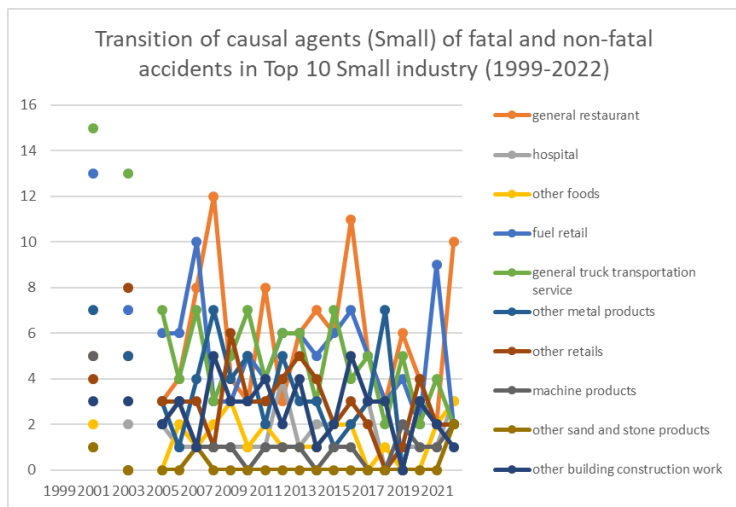
Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 319 other pressure vessels (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 319 other pressure vessels in Large industry (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 319 other pressure vessels in Middle Industry (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 319 other pressure vessels in Small Industry (1999-2022)

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 319 other pressure vessels 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	
01	manufacturing			33		26		26	20	26	24	21	15	10	22	12	16	6	14	14	21	9	9	16	16	356	manufacturing	
14	hotel/restaurant/amusement service			9		9		4	5	9	13	4	3	10	8	9	8	8	16	6	8	7	5	3	11	155	hotel/restaurant/amusement service	
03	construction			16		23		14	13	10	20	10	10	12	12	8	11	8	13	10	11	5	10	8	6	230	construction	
08	commerce			25		20		12	13	16	10	13	10	13	16	12	13	10	12	10	5	6	6	20	5	247	commerce	
13	health and hygiene service			1		2		4	2	2	3	5	2	3	5	1	3	5	3	3		3	3	2	4	56	health and hygiene service	
04	transportation service			18		14		10	6	7	4	9	10	4	8	7	5	7	5	5	5	6	4	5	3	142	transportation service	
17	others			4		8		3	3	2	3	3	1	3	2	4	1	1	1		4	1	3	1	1	49	others	
15	commercial cleaning and livestock process			7		1		2		3	4	3	1	5	2	5	1	1	1			1			1	38	commercial cleaning and livestock process	
10	movie/play service												1				1	1						1	1	5	movie/play service	
05	cargo handling service			3		1			1	1		2					1				1			1		11	cargo handling service	
07	livestock/fishery										1			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					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	48	1,302	total	

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 319 other pressure vessels 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
1402	restaurant			6		6		3	4	8	12	4	3	9	4	6	7	6	12	5	4	7	4	3	10	123	restaurant

0802	retail			19		17		9	9	15	6	9	8	8	11	11	9	8	10	8	4	5	6	12	4	188	retail
0101	food products			4		4		4	6	6	4	6	3	3	1	3	3	2	4		2	1	2	2	4	64	food products
0301	civil engineering work			3		8		1	4	1	2	3			2	1	4	2	2	2	4	2	1	1	3	46	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	3	40	medical treatment service
0403	road cargo transportation service			18		14		9	6	7	3	9	10	4	7	7	3	7	5	5	5	6	3	5	2	135	road cargo transportation service
0302	construction work			8		8		8	6	3	10	5	4	7	6	6	2	2	9	4	4	2	6	4	2	106	construction work
0112	metal products			7		6		4	1	4	8	4	5	2	5	3	4	1	3	3	7		3	2	2	74	metal products
0108	chemical products			4		2		2		4	3	3	1	1	3	1	1	1	3	3	3	2	1	5	2	45	chemical products
0113	machine products			5		1		2	3	1	1	1	1	1	1	1	1	1	1	1	1	4	1	1	2	30	machine products
0109	sand and stone products			1		1		1	1	2					1		1				1				2	11	sand and stone products
0303	other construction works			5		7		5	3	6	8	2	6	5	4	1	5	4	2	4	3	1	3	3	1	78	other construction works
1702	others			4		8		3	3	2	3	2	1	3	2	4	1	1	1		4	1	3	1	1	48	others
0117	other manufacturing			6		6		5	3	2	3	2			4	2	4		2	2	3	1	1		1	47	other manufacturing
0801	wholesale			5		3		2	2	1	3	1	2	2	3	1	3	1	1	1				5	1	38	wholesale
1501	commercial cleaning and livestock process			7		1		2		3	4	3	1	5	2	5	1	1	1			1			1	38	commercial cleaning and livestock process
0115	transport equipment products			4		3		2		1	2	2	1	1	2	1				4	1	1		2	1	28	transport equipment products
1403	other amusement service					1		1	1		1			1	4	3		1	1		3		1		1	19	other amusement service
1302	social welfare facility							1	1	1						1	2				1			1	8	social welfare facility	
1001	movie/play service											1				1	1						1	1	5	movie/play service	
0105	furniture							1		1						1									1	4	furniture
0402	road passenger transport service							1			1				1										1	4	road passenger transport service
0103	fiber products								1																1	2	fiber products
0804	other commerce			1				1	2			3		3	2		1	1	1	1		1		2		19	other commerce
0116	electric/gas/water service					1		1	2	2		2	1		1		1		1		1		1	3		17	electric/gas/water service
1401	hotel			3		2				1						1	1	3	1	1						13	hotel
0501	land cargo handling service			3		1			1	1		2				1				1				1		11	land cargo handling service
0114	electrical equipment products								1		1	1	3		3			1								10	electrical equipment products
0110	steel making			1				1	1	1	1				1				1	2						9	steel making
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
0111	nonferrous metal making			1				1		1	1															4	nonferrous metal making

030309	other construction works			4		4		4	3	4	5	2	3	2	3	1	5	2	2	1		1		2	1	49	other construction works
170209	others			4		8		3	3	2	3	1	1	2	2	4	1	1	1		4	1	3	1	1	46	others
080109	other wholesale			4		3		2	2	1	2		2	2	3	1	3	1	1		1			5	1	34	other wholesale
030201	steel frame/reinforced concrete house construction work			2		2		1		2	4	2		2	3	2			2	1			2	1	1	27	steel frame/reinforced concrete house construction work
030199	other civil engineering work			3		7		1	2	1		1			1		2			1	2		1		1	23	other civil engineering work
011701	auto mobile servicing			5		3		1	1	2		2				2		1	2	1					1	21	auto mobile servicing
150102	industrial waste management service			1		1		2			2		1	4	1	1		1	1						1	16	industrial waste management service
010801	non organic or organic chemical products					1				2	2	1	1	1	1		1		1		1	1		1	1	15	non organic or organic chemical products
011502	auto mobile products					2		1		1	1	2		1	1	1				1				1	1	13	auto mobile products
030106	road construction work					1			1		2					1	1			2	2			1		11	road construction work
130201	social welfare facility							1	1	1						1	2				1			1		8	social welfare facility
140301	golf course													1		1				1		1		1		5	golf course
010101	meat/dairy products							1	1		1														1	4	meat/dairy products
030111	port/seaside construction work											1				1								1	1	4	port/seaside construction work
100102	movie theatre												1			1	1							1		4	movie theatre
040202	bus service							1			1													1		3	bus service
010501	wood furniture									1														1		2	wood furniture
010309	other fiber products																							1		1	other fiber products
010804	petroleum/coal products																							1		1	petroleum/coal products
030302	machinery/apparatus setting work			1		3		1		2	3		3	3	1			2		2	3		3	1		28	machinery/apparatus setting work
030203	building facility construction work			3		1		3	2		1					1		1		1	2	1	1			17	building facility construction work
080409	other commerce			1				1	2			2		3	1		1	1		1			2			15	other commerce
010104	bread/cake products			1		2		1	1	1		2	1			1		2		1		1				14	bread/cake products
011602	city gas service					1		1	2	2		1	1		1		1						3			14	city gas service
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
040309	other land cargo transportation service			2				1				1	1		1			1		2		1	1			11	other land cargo transportation service
050101	land cargo handling service			3		1			1	1		2				1				1			1			11	land cargo handling service
150101	building maintenance service			4								2		1		3	1									11	building maintenance service
011501	ship building			1		1					1		1						3	1	1		1			10	ship building
011702	machine repair					3		1				3				2				1						10	machine repair
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					9	all kinds of retail		
010803	pharmaceuticals			1		1										2	1		1	1		8	pharmaceuticals	
140209	other restaurants			1		1						1	1			1		1		1		8	other restaurants	
010901	cement products					1		1	1								1					7	cement products	
130109	other medical treatment service							2				1	1	1						1	1		7	other medical treatment service
130301	bathroom											4					1	1				1	7	bathroom
010805	plastics products			1												1						2	6	plastics products
011305	other precision machine products					1											1	1	2				6	other precision machine products
030110	water supply/sewage construction work							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				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								1							4	other transport equipment products
070101	livestock												1		1	1							4	livestock
080101	all kinds of wholesale			1						1	1						1						4	all kinds of wholesale
080202	auto mobile retail					1												1				1	4	auto mobile retail
080401	warehousing										1						1		1				4	warehousing
150109	other cleaning and livestock process service									3									1				4	other cleaning and livestock process service
010103	agricultural food products					1															1		3	agricultural food products
010105	alcoholic drinks			1				1	1														3	alcoholic drinks
010601	pulp/paper																					1	3	pulp/paper
010806	rubber products							2		1													3	rubber products
010809	chemical fertilizer products																1						3	chemical fertilizer products
011109	other nonferrous metal products																						3	other nonferrous metal products
011409	other electrical equipment										1	1									1		3	other electrical equipment
120109	other education/research service					1		1		1													3	other education/research service
010409	other lumber and wood products																					2	2	other lumber and wood products
010602	paper processing products															1							2	paper processing products
010808	painting products					2																	2	painting products
011001	steel/iron/rolling products																						2	steel/iron/rolling products
011002	casting products																						2	casting products
011201	western tableware/cutting tool products																						2	western tableware/cutting tool products

011204	metal plating products						1								1									2	metal plating products					
011402	electrical appliance						1							1											2	electrical appliance				
011601	electric utility service									1										1					2	electric utility service				
011703	cleaning						1										1								2	cleaning				
060101	agriculture														1									1		2	agriculture			
080302	beauty salon									1															1		2	beauty salon		
130102	general clinic												1												1		2	general clinic		
170201	security service									1				1													2	security service		
010202	cotton-spinning					1																					1	cotton-spinning		
010203	weaving									1																		1	weaving	
010209	other textile products						1																					1	other textile products	
010301	over/under wear									1																		1	over/under wear	
010502	metal furniture						1																					1	metal furniture	
010509	other furniture														1													1	other furniture	
010701	printing service						1																					1	printing service	
010802	chemical fiber																											1	chemical fiber	
010807	leather products									1																			1	leather products
011101	nonferrous metals/rolling products									1																			1	nonferrous metals/rolling products
011203	metal press products																												1	metal press products
011401	heavy electrical equipment														1														1	heavy electrical equipment
011503	railway vehicle products																												1	railway vehicle products
011609	other electric/gas/water service																												1	other electric/gas/water service
011704	tobacco products																												1	tobacco products
020202	gravel digging																												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	railroad service
040102	water transportation service																												1	water transportation service
040201	taxi service																												1	taxi service
040409	other transportation service																												1	other transportation service
070209	other fishery																												1	other fishery
090101	banking/trust business																												1	banking/trust business
090103	insurance business																												1	insurance business
100109	other movie/play service																												1	other movie/play service
130309	other health and hygiene service																												1	other health and hygiene service
150105	livestock process service																												1	livestock process service
170101	dispatch service																												1	dispatch service

