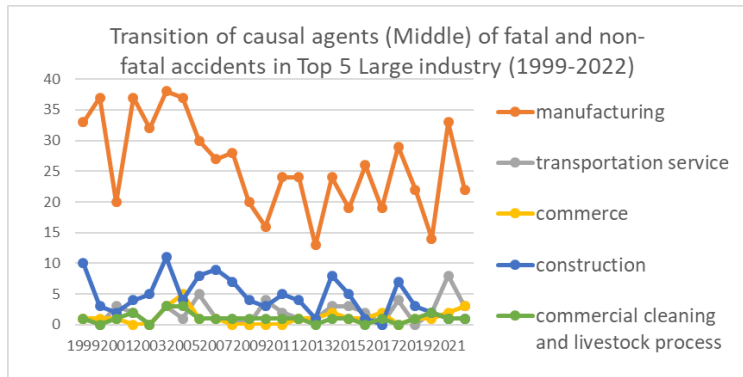
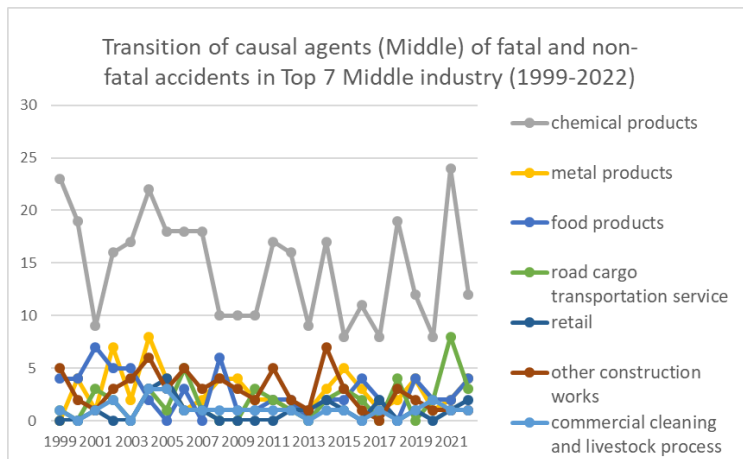


Transition of causal agents (Middle) of fatal and non-fatal accidents as code no. 32 chemical facilities (1999-2022)



Transition of causal agents (Middle) of fatal and non-fatal accidents as code no. 32 chemical facilities in Large industry (1999-2022)



Transition of causal agents (Middle) of fatal and non-fatal accidents as code no. 32 chemical facilities in Middle Industry (1999-2022)

0108	chemical products	23	19	9	16	17	22	18	18	18	10	10	10	17	16	9	17	8	11	8	19	12	8	24	12	351	chemical products
0112	metal products		4	1	7	2	8	4	1	2	4	4	2	2	1	1	3	5	3	1	2	4	1	2	4	68	metal products
0101	food products	4	4	7	5	5	2		3		6	1	1	2	2		2	2	4	2		4	2	2	4	64	food products
0403	road cargo transportation service	1		3	2		3	1	5	1			3	2	1		2	3	2		4		2	8	3	46	road cargo transportation service
0802	retail			1			3	4	1	1					1	1	2	1		2		1		1	2	21	retail
0303	other construction works	5	2	1	3	4	6	3	5	3	4	3	2	5	2	1	7	3	1		3	2	1	1	1	68	other construction works
1501	commercial cleaning and livestock process	1		1	2		3	3	1	1	1	1	1	1	1		1	1		1		1	2	1	1	25	commercial cleaning and livestock process
0113	machine products	1		2	2	1		1		2	1		1	2			1	2			1				1	18	machine products
1702	others		1		1	2		3			2			1	1	1				1	1	2			1	17	others
0115	transport equipment products		1				3		2	1	1	1							1	1			1	3	1	16	transport equipment products
0801	wholesale	1	1					1											1				1	1	1	7	wholesale
0302	construction work	5	1		1	1	5	1	3	6	3	1	1		2		1	2			4	1	1			39	construction work
0114	electrical equipment products	1		1	1	1	1	2	4		4	1	1	1	1	2	1	2	2		1			1		28	electrical equipment products
0111	nonferrous metal making	1	2		2	1		3	2	2	1					1			4	2	3			1		25	nonferrous metal making
0117	other manufacturing	1	3			2	1	2		1					1				1	2	2	1				17	other manufacturing
0106	pulp/paper processing products	2	1		1		1	1							1						3	1		1		12	pulp/paper processing products
0109	sand and stone products				2			5		1	1															9	sand and stone products
1201	education/research service	1						2		1		1									1			2		8	education/research service
0102	textile products		2		1	1							2													6	textile products
0110	steel making				2		1								2								1			6	steel making
1402	restaurant																		1	1	1	1				4	restaurant
0402	road passenger transport service												1			1	1									3	road passenger transport service
0501	land cargo handling service					1		1			1															3	land cargo handling service
1302	social welfare facility		1			1							1													3	social welfare facility
0104	wood products											1	1													2	wood products
0701	livestock					1	1																			2	livestock
0103	fiber products		1																							1	fiber products
0105	furniture																					1				1	furniture
0202	quarrying							1																		1	quarrying
0301	civil engineering work			1																						1	civil engineering work
0404	other transportation service										1															1	other transportation service
0502	harbor transportation service					1																				1	harbor transportation service

	service																								service		
170209	others		1			2		2			1			1	1	1			1	1	1			1	13	others	
010105	alcoholic drinks	1		2		1			1		2									1		1	1	1	10	alcoholic drinks	
010809	chemical fertilizer products	1	1			1				1	1						3		1				1		10	chemical fertilizer products	
010808	painting products		2					1	1	1								1					2	1	9	painting products	
010802	chemical fiber	2	1		1		1														1		1		7	chemical fiber	
080109	other wholesale	1	1					1									1				1	1	1	1	7	other wholesale	
080209	other retails							1		1											1		1	1	5	other retails	
010103	agricultural food products		2																					1	3	agricultural food products	
011501	ship building										1													1	2	ship building	
030302	machinery/apparatus setting work	5	2		2	2	4	1	1	1	2	1		4	2	1	3	2	1		2	2	1	1		40	machinery/apparatus setting work
010803	pharmaceuticals	4	1		2	2	6		1	3		2		1		1	3		1		2	2	2	1		34	pharmaceuticals
010804	petroleum/coal products	2	2	1	3				1		3		3	3	2		1	1	1		1	1		1		26	petroleum/coal products
010109	other foods	2	2	1	1	2			2		2	1		1	2		1	1	2	1		2	1	1		25	other foods
011109	other nonferrous metal products		1		2			3	2		1								4	1	2			1		17	other nonferrous metal products
010805	plastics products		1		2		1	2	3	2										1	1	1	1	1		16	plastics products
011403	electronics equipment and telecommunications apparatus				1	1		1			2	1		1	1	1	1	1	2		1			1		15	electronics equipment and telecommunications apparatus
011502	auto mobile products		1				3		2	1		1						1	1			1	2			13	auto mobile products
011709	other manufacturing	1	3			1	1	2		1					1				1	1	1					13	other manufacturing
030201	steel frame/reinforced concrete house construction work	1			1			1	1	3		1			2		1	1			1					13	steel frame/reinforced concrete house construction work
030209	other building construction work	2	1			1	3		1		1						1				1	1	1			13	other building construction work
030203	building facility construction work	2					2		1	2	2		1								2					12	building facility construction work
010106	soft drinks			1	2	1	1				1						1			1		1	1			10	soft drinks
010806	rubber products	3	1		1	1								1	1					1	1					10	rubber products
011409	other electrical equipment	1		1			1		3		2		1					1								10	other electrical equipment
010601	pulp/paper	2			1		1	1							1						1			1		8	pulp/paper
011101	nonferrous metals/rolling products	1	1			1				2						1					1	1				8	nonferrous metals/rolling products
150109	other cleaning and livestock process service	1					2		1														1	2	1	8	other cleaning and livestock process service
120109	other education/research service	1						1		1		1									1			2		7	other education/research service
010901	cement products						5				1															6	cement products
011001	steel/iron/rolling products					2									2									1		5	steel/iron/rolling products
010102	fishery products			1	1	1													1							4	fishery products
010204	dyeing		2									2														4	dyeing
140201	general restaurant																	1	1	1	1					4	general restaurant

170201	security service				1			1			1								1				4	security service		
010104	bread/cake products	1											1					1						3	bread/cake products	
010602	paper processing products		1																2					3	paper processing products	
011401	heavy electrical equipment						1	1								1								3	heavy electrical equipment	
040202	bus service										1				1	1									3	bus service
040302	specific truck transportation service						2		1																3	specific truck transportation service
050101	land cargo handling service					1		1			1														3	land cargo handling service
080201	all kinds of retail							1						1						1					3	all kinds of retail
130201	social welfare facility		1			1					1														3	social welfare facility
150103	other waste disposal service			1				1						1											3	other waste disposal service
010209	other textile products				1	1																			2	other textile products
010402	plywood										1	1													2	plywood
010909	other sand and stone products				1					1															2	other sand and stone products
011202	screw products												1										1		2	screw products
011303	optical instruments				1						1														2	optical instruments
011305	other precision machine products												2												2	other precision machine products
011702	machine repair					1														1					2	machine repair
011703	cleaning																				1	1			2	cleaning
040309	other land cargo transportation service				1																		1		2	other land cargo transportation service
070101	livestock					1	1																		2	livestock
010309	other fiber products		1																						1	other fiber products
010502	metal furniture																						1		1	metal furniture
010609	other pulp/paper processing products																						1		1	other pulp/paper processing products
010807	leather products	1																							1	leather products
010902	glass products				1																				1	glass products
011009	other steel products							1																	1	other steel products
011203	metal press products											1													1	metal press products
011302	measuring instruments							1																	1	measuring instruments
011509	other transport equipment products																							1	1	other transport equipment products
020201	quarrying							1																	1	quarrying
030110	water supply/sewage construction work				1																				1	water supply/sewage construction work
030202	wooden house construction work											1													1	wooden house construction work
030301	electricity/telecommunication work											1													1	electricity/telecommunication work
040409	other transportation service										1														1	other transportation service
050201	general harbor transportation						1																		1	general harbor transportation

