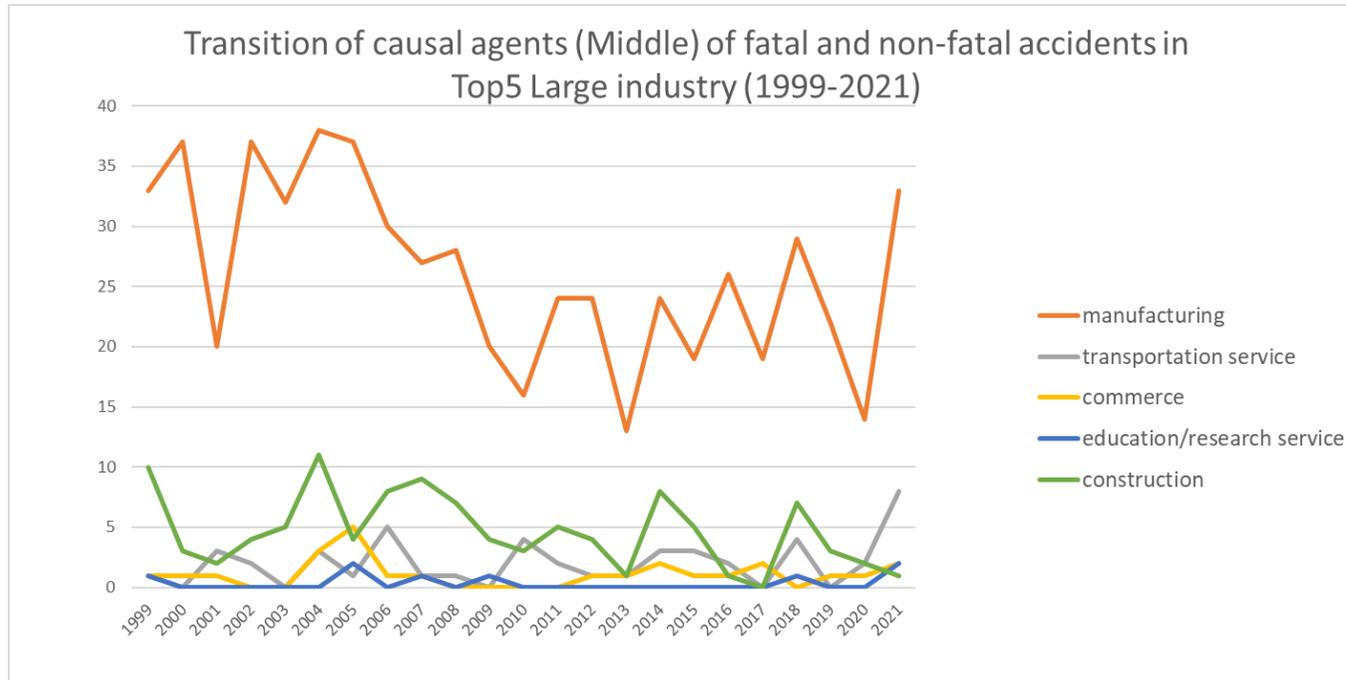
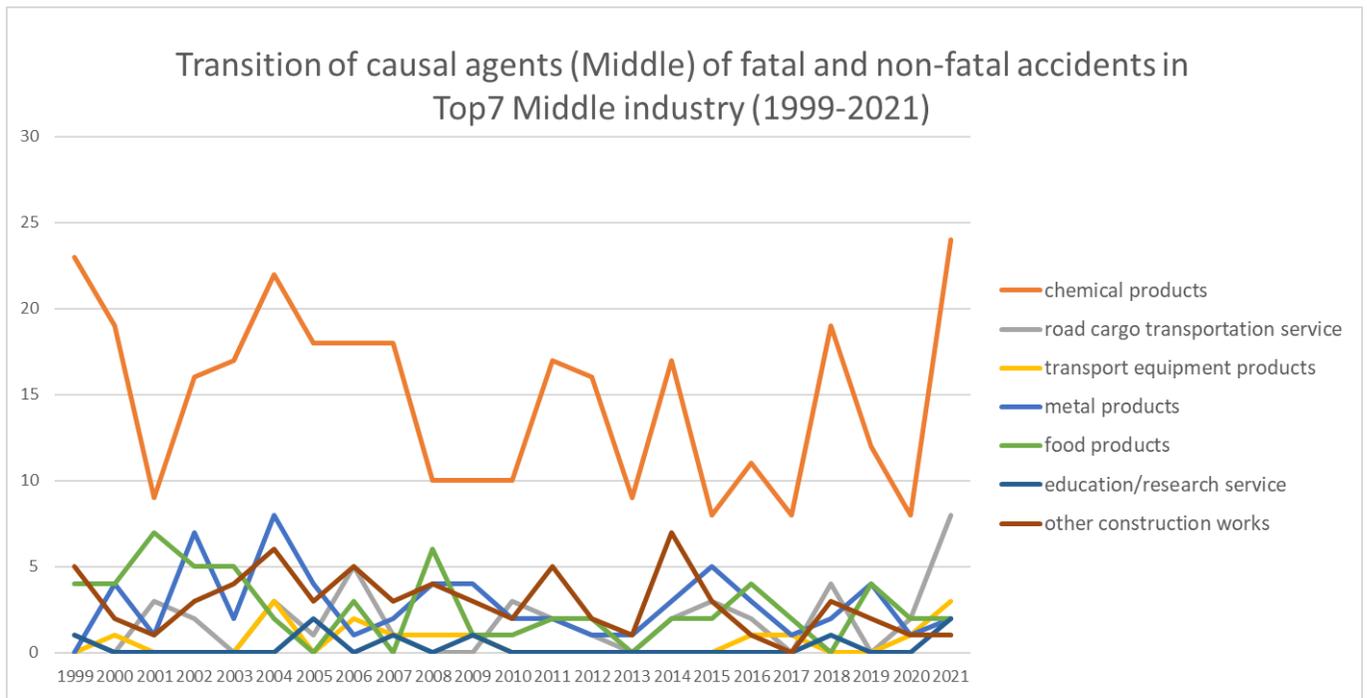


Transition of causal agents (Middle) of fatal and non-fatal accidents as code no. 32 chemical facilities (1999-2021)

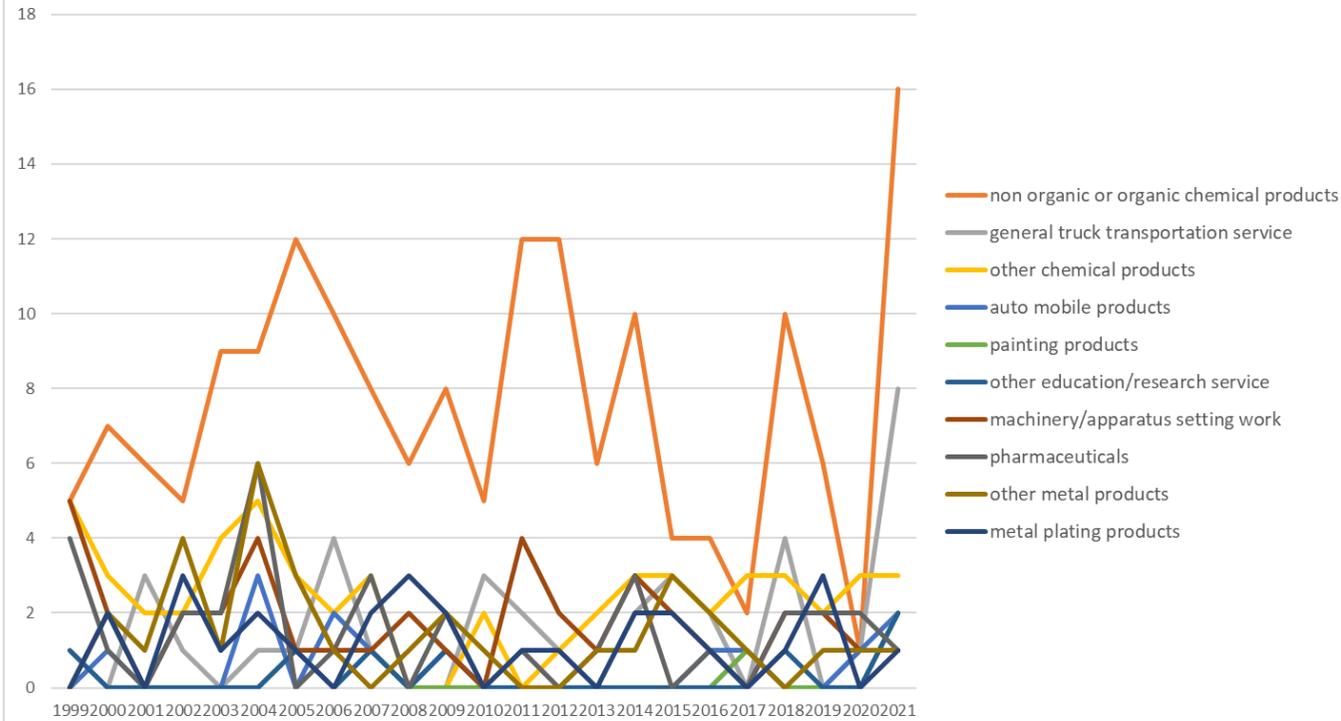


Transition of causal agents (Middle) of fatal and non-fatal accidents as code no. 32 chemical facilities in Large industry (1999-2021)



Transition of causal agents (Middle) of fatal and non-fatal accidents as code no. 32 chemical facilities in Middle Industry (1999-2021)

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



Transition of causal agents (Middle) of fatal and non-fatal accidents as code no. 32 chemical facilities in Small Industry (1999-2021)

Transition of causal agents (Middle) of fatal and non-fatal accidents as code no. 32 chemical facilities 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	33	37	20	37	32	38	37	30	27	28	20	16	24	24	13	24	19	26	19	29	22	14	33	602	manufacturing
04	transportation service	1		3	2		3	1	5	1	1		4	2	1	1	3	3	2		4		2	8	47	transportation service
08	commerce	1	1	1			3	5	1	1					1	1	2	1	1	2		1	1	2	25	commerce
12	education/research service	1						2		1		1									1			2	8	education/research service
03	construction	10	3	2	4	5	11	4	8	9	7	4	3	5	4	1	8	5	1		7	3	2	1	107	construction
15	commercial cleaning and livestock process	1		1	2		3	3	1	1	1	1	1	1	1		1	1		1		1	2	1	24	commercial cleaning and livestock process
17	others		1		1	3		3			2			1	1	1				1	1	2			17	others

150102	industrial waste management service				1		1	2		1	1	1	1	1			1	1		1			12	industrial waste management service	
170209	others		1			2		2			1			1	1	1			1	1	1			12	others
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
010809	chemical fertilizer products	1	1			1				1	1							3		1				9	chemical fertilizer products
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
010101	meat/dairy products			2	1		1				1		1					1						7	meat/dairy products
010802	chemical fiber	2	1		1		1															1		6	chemical fiber
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

