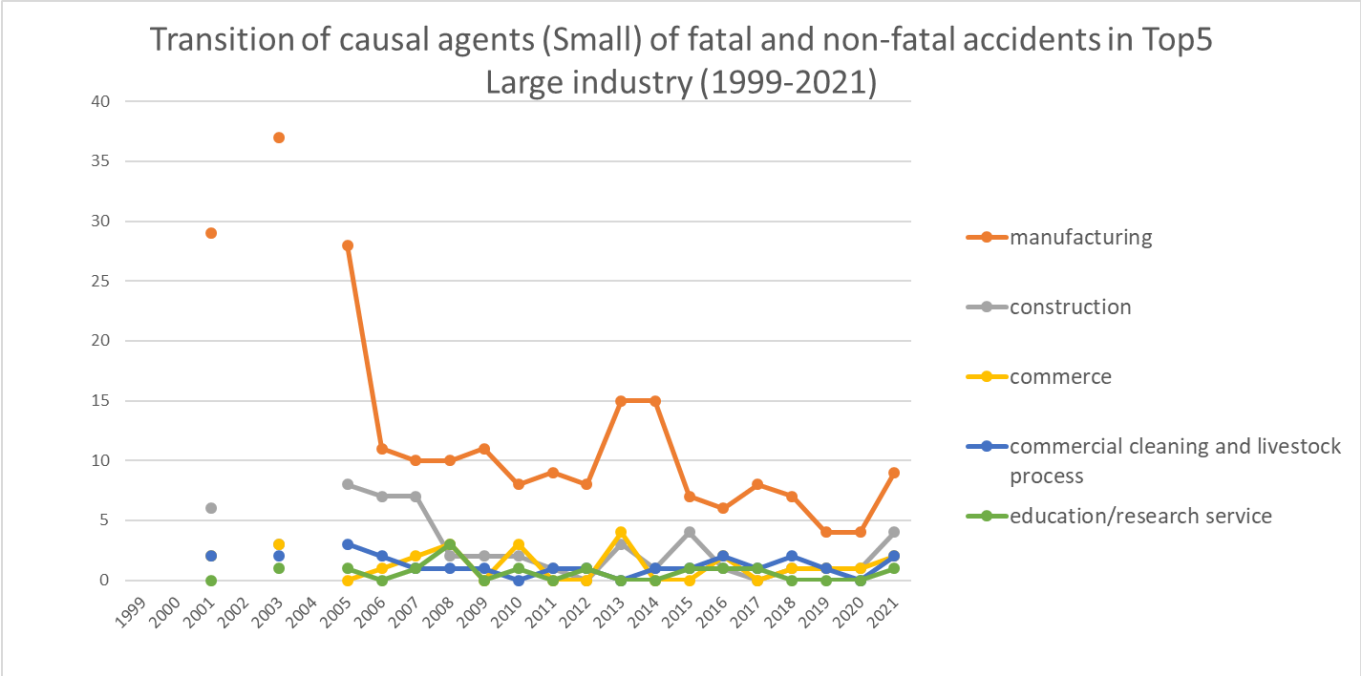
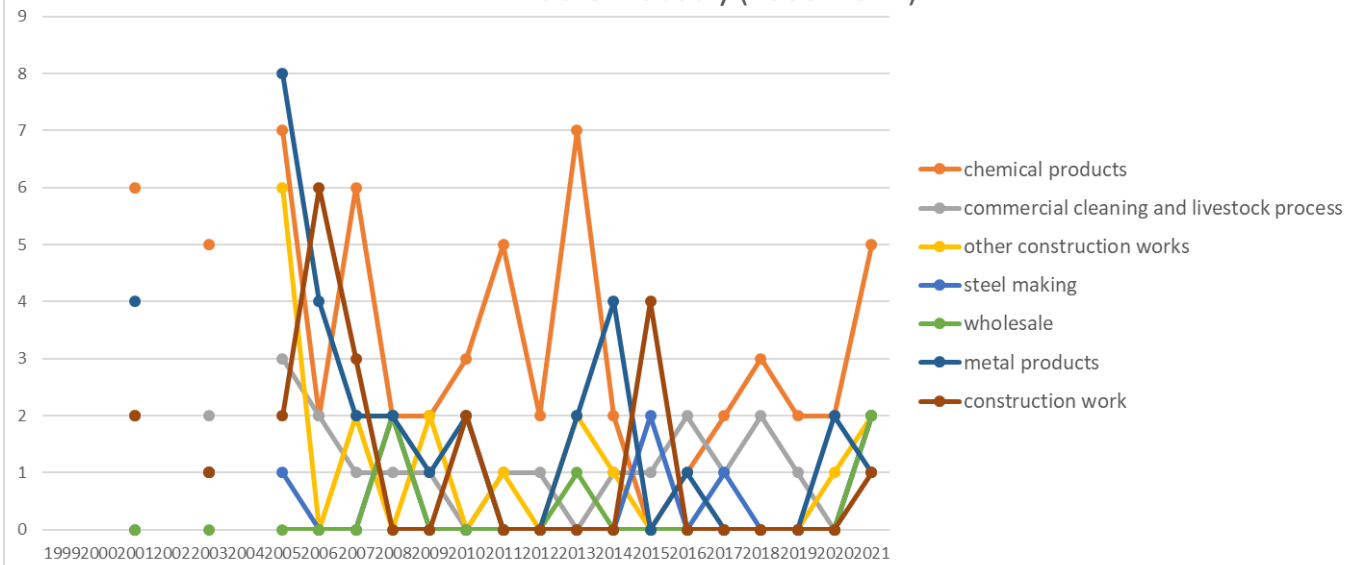


Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 511 explosive substance (1999-2021)



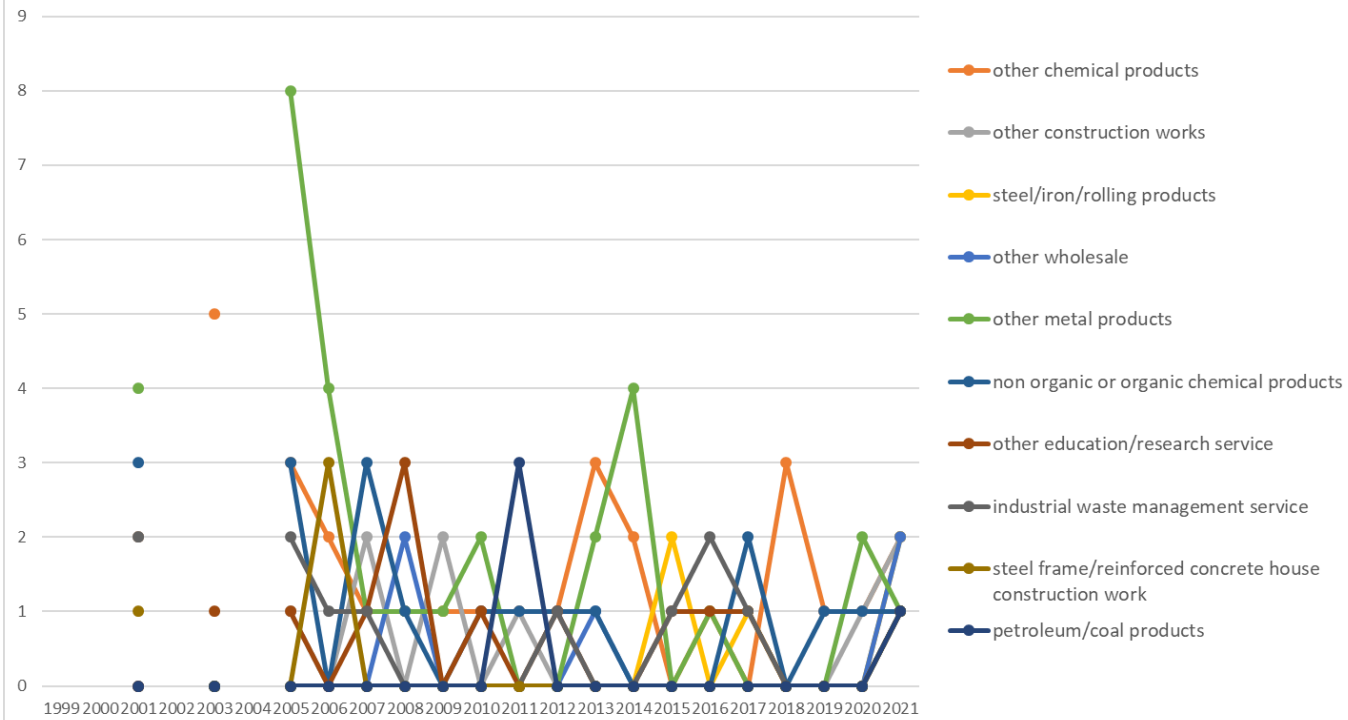
Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 511 explosive substance in Large industry (1999-2021)

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. 511 explosive substance 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. 511 explosive substance in Small Industry (1999-2021)

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 511 explosive substance 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			29		37		28	11	10	10	11	8	9	8	15	15	7	6	8	7	4	4	9	236	manufacturing
03	construction			6		3		8	7	7	2	2	2	1		3	1	4	1		1	1	1	4	54	construction
08	commerce			2		3			1	2	3		3			4			2		1	1	1	2	25	commerce
15	commercial cleaning and livestock process			2		2		3	2	1	1	1		1	1		1	1	2	1	2	1		2	24	commercial cleaning and livestock process
12	education/research service					1		1		1	3		1		1			1	1	1				1	12	education/research service
14	hotel/restaurant/amusement service			3					2	3		3	2		2	1	1		1	1	1	3	1		24	hotel/restaurant/amusement service

04	transportation service			1		1		1	4	1	2	1	2	1	1	2		2				2	1		22	transportation service
17	others			3				1		1				1	1	2		1	2						12	others
13	health and hygiene service										1			1	2	4			1				2		11	health and hygiene service
02	mining					1		2						1	1					2	1				8	mining
05	cargo handling service			1					2												1				4	cargo handling service
10	movie/play service										1	2						1							4	movie/play service
07	livestock/fishery																		1			1			2	livestock/fishery
09	financial business/advertisement									1			1												2	financial business/advertisement
11	telecommunication service																				2				2	telecommunication service
06	agriculture																									agriculture
16	public office																									public office
	total			47		48		44	29	27	22	19	21	15	17	31	18	17	16	14	14	14	11	18	442	total

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 511 explosive substance 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
0108	chemical products			6		5		7	2	6	2	2	3	5	2	7	2		1	2	3	2	2	5	64	chemical products
1501	commercial cleaning and livestock process			2		2		3	2	1	1	1		1	1		1	1	2	1	2	1		2	24	commercial cleaning and livestock process
0303	other construction works			2		1		6		2		2		1		2	1						1	2	20	other construction works
0110	steel making					1		1			2							2		1				2	9	steel making
0801	wholesale										2					1								2	5	wholesale
0112	metal products			4		1		8	4	2	2	1	2			2	4		1				2	1	34	metal products
0302	construction work			2		1		2	6	3			2					4						1	21	construction work
0301	civil engineering work			2		1			1	2	2					1			1		1	1		1	13	civil engineering work

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0404	other transportation service																								other transportation service	
0601	agriculture																								agriculture	
0602	forestry																								forestry	
0701	livestock																								livestock	
1303	other health and hygiene service																								other health and hygiene service	
1601	public office																								public office	
1701	dispatch service																								dispatch service	
	total			47		48		44	29	27	22	19	21	15	17	31	18	17	16	14	14	14	11	18	442	total

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 511 explosive substance in Small industry (1999-2021)

code	Small 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	Small industry
010899	other chemical products			2		5		3	2	1	1	1	1	1	1	3	2		1		3	1	1	2	31	other chemical products
030309	other construction works			2				1		2		2		1									1	2	11	other construction works
011001	steel/iron/rolling products																	2		1				2	5	steel/iron/rolling products
080109	other wholesale										2					1								2	5	other wholesale
011209	other metal products			4				8	4	1	1	1	2			2	4		1				2	1	31	other metal products
010801	non organic or organic chemical products			3				3		3	1		1	1	1	1				2		1	1	1	19	non organic or organic chemical products
120109	other education/research service					1		1		1	3		1		1			1	1	1				1	12	other education/research service
150102	industrial waste management service			2				2	1	1					1			1	2	1				1	12	industrial waste management service
030201	steel frame/reinforced concrete house construction			1					3															1	5	steel frame/reinforced concrete house construction

	work																								work
010804	petroleum/coal products											3										1	4	petroleum/coal products	
010805	plastics products			1				1						1								1	4	plastics products	
011301	machine products						1							1		1						1	4	machine products	
030102	tunnel construction work					1				2												1	4	tunnel construction work	
150103	other waste disposal service									1									1			1	3	other waste disposal service	
011709	other manufacturing			4		13		4	2	2	2	1	1		1	3	2	2	1	2		1		41	other manufacturing
040301	general truck transportation service			1		1		1	4	1	2		2	1		2		2				2	1	20	general truck transportation service
140201	general restaurant									2		2	2		2	1			1	1	1	3	1	16	general restaurant
030209	other building construction work			1				1	1	3			2					4						12	other building construction work
170209	others			3				1		1				1	1	2		1	2					12	others
080209	other retails					2			1		1		2			1			1		1	1	1	11	other retails
010109	other foods			1		1		1	1					1			1	1		2	1			10	other foods
011101	nonferrous metals/rolling products											4		1	1	1	1				1			9	nonferrous metals/rolling products
011403	electronics equipment and telecommunications apparatus			1		6												1						8	electronics equipment and telecommunications apparatus
011502	auto mobile products					2		1	1					2			1			1				8	auto mobile products
020201	quarrying					1		2						1	1					2	1			8	quarrying
030302	machinery/apparatus setting work					1		5									1							7	machinery/apparatus setting work
011102	nonferrous metals casting products			5																	1			6	nonferrous metals casting products
011409	other electrical equipment										1			2		1		1		1				6	other electrical equipment

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011305	products				2																			2	products
011702	machine repair			2																				2	machine repair
030109	land consolidation civil engineering work								1						1									2	land consolidation civil engineering work
030301	electricity/telecommunication work														2									2	electricity/telecommunication work
050101	land cargo handling service								1											1				2	land cargo handling service
050202	port cargo handling service			1					1															2	port cargo handling service
080409	other commerce			1						1														2	other commerce
110101	telecommunication service																			2				2	telecommunication service
140301	golf course			1						1														2	golf course
010103	agricultural food products								1															1	agricultural food products
010204	dyeing								1															1	dyeing
010401	lumbering															1								1	lumbering
010601	pulp/paper			1																				1	pulp/paper
010808	painting products													1										1	painting products
010903	pottery products												1											1	pottery products
011202	screw products									1														1	screw products
011203	metal press products												1											1	metal press products
011204	metal plating products					1																		1	metal plating products
011402	electrical appliance															1								1	electrical appliance
011602	city gas service			1																				1	city gas service
030105	bridge construction work																			1				1	bridge construction work
030106	road construction work			1																				1	road construction work
030203	building facility construction work					1																		1	building facility construction work

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100102	movie theatre																								movie theatre	
120101	auto mobile practical training																								auto mobile practical training	
120102	software service																								software service	
130301	bathhouse																								bathhouse	
130309	other health and hygiene service																								other health and hygiene service	
140209	other restaurants																								other restaurants	
140302	park and amusement park																								park and amusement park	
150104	cremation service																								cremation service	
150105	livestock process service																								livestock process service	
160101	public office																								public office	
170101	dispatch service																								dispatch service	
170201	security service																								security service	
170202	information processing service																								information processing service	
	total			47		48		44	29	27	22	19	21	15	17	31	18	17	16	14	14	14	11	18	442	total

Data source : <https://anzeninfo.mhlw.go.jp/user/anzen/tok/anst00.htm> (MHLW, Japan)

https://www.jisha.or.jp/english/statistics/202212_03.html