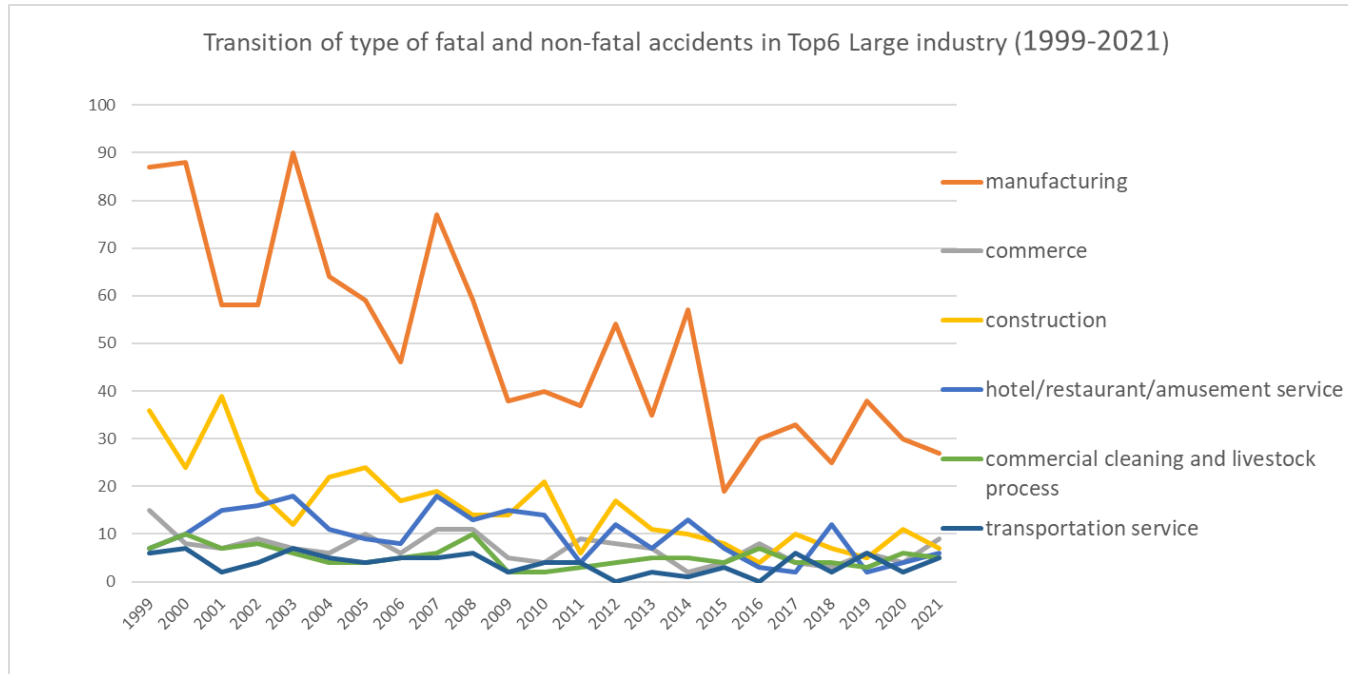
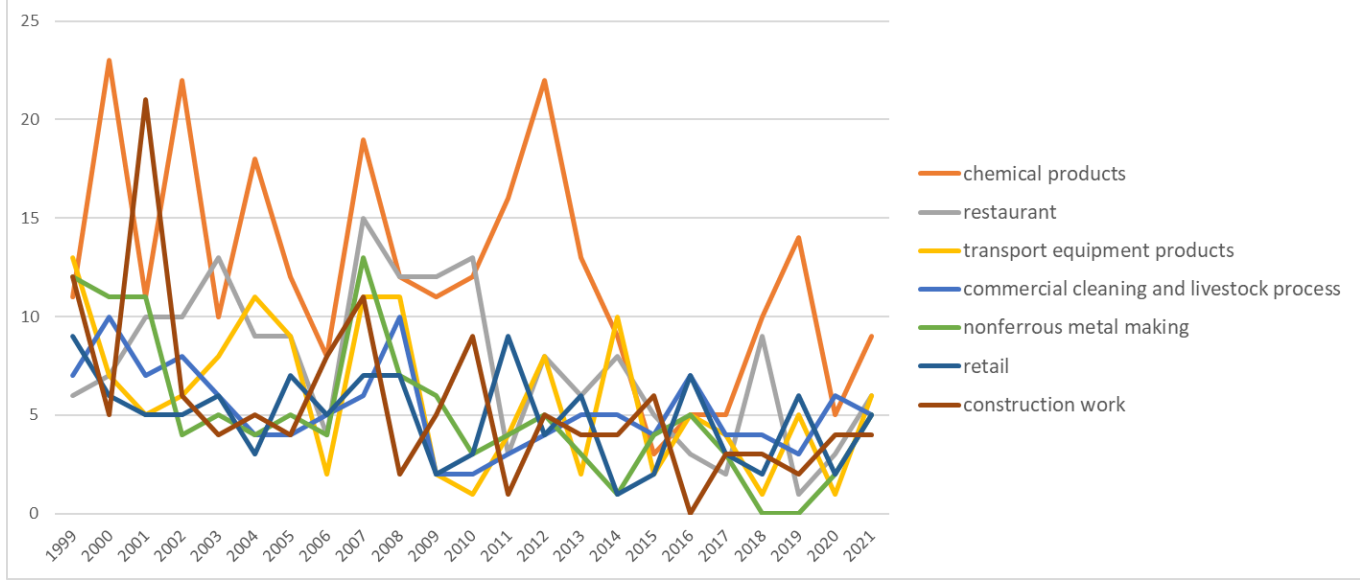


Transition of type of fatal and non-fatal accidents as code no. 14 explosion (1999-2021)



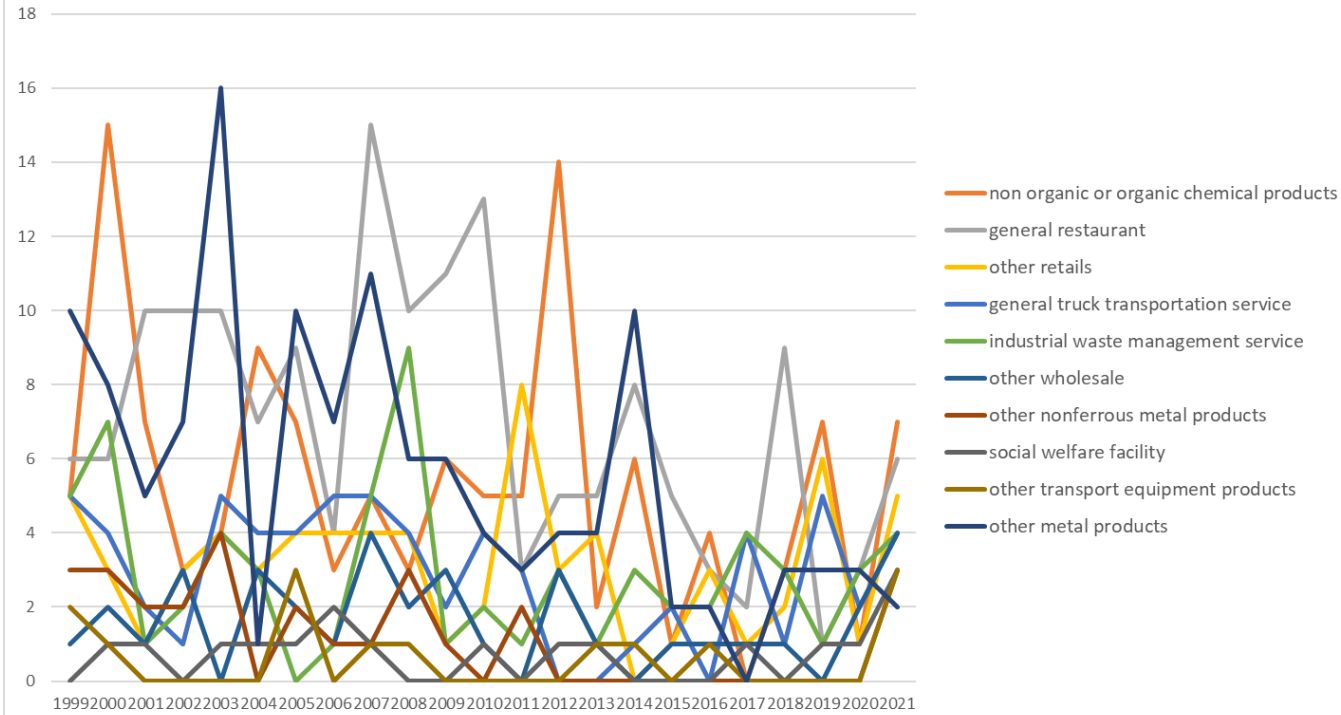
Transition of type of fatal and non-fatal accidents as code no. 14 explosion in Large industry (1999-2021)

Transition of type of fatal and non-fatal accidents in Top7 Middle industry (1999-2021)



Transition of type of fatal and non-fatal accidents as code no. 14 explosion in Middle Industry (1999-2021)

Transition of type of fatal and non-fatal accidents in Top10 Small industry (1999-2021)



Transition of type of fatal and non-fatal accidents as code no. 14 explosion in Small Industry (1999-2021)

Transition of type of fatal and non-fatal accidents as code no. 14 explosion 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	87	88	58	58	90	64	59	46	77	59	38	40	37	54	35	57	19	30	33	25	38	30	27	1,149	manufacturing
08	commerce	15	8	7	9	7	6	10	6	11	11	5	4	9	8	7	2	4	8	4	3	6	4	9	163	commerce
03	construction	36	24	39	19	12	22	24	17	19	14	14	21	6	17	11	10	8	4	10	7	5	11	7	357	construction
14	hotel/restaurant/amusement service	7	10	15	16	18	11	9	8	18	13	15	14	4	12	7	13	7	3	2	12	2	4	6	226	hotel/restaurant/amusement service
15	commercial cleaning and livestock process	7	10	7	8	6	4	4	5	6	10	2	2	3	4	5	5	4	7	4	4	3	6	5	121	commercial cleaning and livestock process
04	transportation service	6	7	2	4	7	5	4	5	5	6	2	4	4		2	1	3		6	2	6	2	5	88	transportation service

0403	road cargo transportation service	5	5	2	2	7	5	4	5	5	4	2	4	3		1	1	2		4	2	5	2	4	74	transportation service
0801	wholesale	3	2	1	3		3	2	1	4	2	3	1		3	1		1	1	1	1		2	4	39	wholesale
0112	metal products	10	10	6	7	16	1	11	8	11	8	7	5	4	4	6	11	2	3		4	3	3	3	143	metal products
1702	others		1	5	2	3	4	3	3	2	1	2	1	4	6	7	1	5	3	2	4	2		3	64	others
1302	social welfare facility		1	1		1	1	1	2	1			1		1	1				1		1	1	3	17	social welfare facility
0303	other construction works	14	8	9	9	6	11	15	5	6	4	6	7	3	3	6	5	2	4	4	2	2	5	2	138	other construction works
0117	other manufacturing	13	10	9	7	20	8	4	6	3	4	3	9	3	3	5	3	2	5	4	3	2	5	2	133	other manufacturing
1301	medical treatment service		1		1	2		2	6		1					1	2						1	2	19	medical treatment service
0301	civil engineering work	10	11	9	4	2	6	5	4	2	8	3	5	2	9	1	1			3	2	1	2	1	91	civil engineering work
0101	food products	4	6	6	2	2	2	5	3	1	3	1	2		4	1	2	1	1	4		2	2	1	55	food products
1201	education/research service	1	3			5	5	3		2	3		1		1		1	5	2	1	2		1	1	37	education/research service
0109	sand and stone products	2	2	2	3	2	1	1	3	2	2	1	1		1	1	2		2	1		2		1	32	sand and stone products
0402	road passenger transport service	1	2		2							1			1			1		1		1		1	11	road passenger transport service
0602	forestry	1	1																					1	3	forestry
0502	harbor transportation service												1											1	2	harbor transportation service
0110	steel making	11	6	1	2	3	4		8	8	9	4	5	1	5		11			2	3	5	6		94	steel making
0113	machine products	2	6	1	1	9		8		6	2	1	2	1	1	1	5	3	2	7	2	1	2		63	machine products
0114	electrical equipment products	2	3	2	1	6	2		1			1			1	1	1	2	2	1		2	3		31	electrical equipment products
1401	hotel	1	3	2	2	5	2		2	3	1	2			1	1	1			1					27	hotel
0104	wood products	2	3	2	2		6	3		1	1	1				1	2			1	1				26	wood products

1403	other amusement service			3	4				2			1	1	1	3		4	2			2	1	1		25	other amusement service	
0105	furniture	1		2		3	2		2	2					1										14	furniture	
0116	electric/gas/water service	4	1			5	1							3											14	electric/gas/water service	
0702	fishery	2			2	3	1	1						1		1	1				1				14	fishery	
0202	quarrying	2		4										1	2						1	2				12	quarrying
0804	other commerce	3		1	1	1		1			2				1		1	1								12	other commerce
1303	other health and hygiene service							1			5		1												8	other health and hygiene service	
0106	pulp/paper processing products				1		3														1	1				6	pulp/paper processing products
0501	land cargo handling service		1	1					2						1											6	land cargo handling service
0901	financial business											2	1											2		5	financial business
0601	agriculture									1				1							1			1		4	agriculture
0102	textile products						1	1																1		3	textile products
0203	other mining					2							1													3	other mining
0401	railroad/water transportation/airline service										1				1											3	railroad/water transportation/airline service
0902	advertisement and mediator		1																			2				3	advertisement and mediator
1001	movie/play service												2				1									3	movie/play service
1101	telecommunication service													1										2		3	telecommunication service
0103	fiber products								1														1			2	fiber products

0107	printing/bookbinding					1									1																						2	printing/bookbinding	
0201	coal mining	1																																			1	coal mining	
0701	livestock																				1																1	livestock	
1701	dispatch service																							1														1	dispatch service
0404	other transportation service																																						other transportation service
0803	haircut/beauty salon																																						haircut/beauty salon
1601	public office																																						public office
	total	165	156	139	119	156	123	121	100	146	119	81	93	69	107	78	93	56	58	67	64	66	64	70	2,310	total													

Transition of type of fatal and non-fatal accidents as code no. 14 explosion 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
010801	non organic or organic chemical products	5	15	7	3	4	9	7	3	5	3	6	5	5	14	2	6	1	4		3	7	1	7	122	non organic or organic chemical products
140201	general restaurant	6	6	10	10	10	7	9	4	15	10	11	13	3	5	5	8	5	3	2	9	1	3	6	161	general restaurant
080209	other retails	5	3	1	3	4	3	4	4	4	4	1	2	8	3	4		1	3	1	2	6	1	5	72	other retails
040301	general truck transportation service	5	4	2	1	5	4	4	5	5	4	2	4	3			1	2		4	1	5	2	4	67	general truck transportation service
150102	industrial waste management service	5	7	1	2	4	3		1	5	9	1	2	1	3	1	3	2	2	4	3	1	3	4	67	industrial waste management service
080109	other wholesale	1	2	1	3		3	2	1	4	2	3	1		3	1		1	1	1	1		2	4	37	other wholesale
011109	other nonferrous metal products	3	3	2	2	4		2	1	1	3	1		2										3	27	other nonferrous metal products
130201	social welfare facility		1	1		1	1	1	2	1			1		1	1				1		1	1	3	17	social welfare facility
011509	other transport equipment products	2	1					3		1	1					1	1		1					3	14	other transport equipment products
011209	other metal products	10	8	5	7	16	1	10	7	11	6	6	4	3	4	4	10	2	2		3	3	3	2	127	other metal products

010899	other chemical products	4	3	2	8	2	5	4	4	11		1	5	6	5	2	2	2	1	5	5	3	1	2	83	other chemical products
011501	ship building	8	3	3	3	5	7	3	1	9	2		1	4	6		8	2		3	1	2		2	73	ship building
011101	nonferrous metals/rolling products	7	6	2	2	1	3	2	3	9	3	5	2	1	3	3		3	4	1			1	2	63	nonferrous metals/rolling products
030309	other construction works	4	3	3	6	2	5	9	4	6	1	2		3	2		3	1	2	3		1		2	62	other construction works
170209	others		1	5	2	3	4	3	3	2	1	2	1	4	6	7		4	3	2	4	2		2	61	others
030209	other building construction work	4	1	9	2	1		1	4	5		4	3	1	4	1	3	4		2	1	1	1	2	54	other building construction work
130101	hospital				1	2			6							1	1						1	2	14	hospital
011703	cleaning				1	1	1						1											2	6	cleaning
011502	auto mobile products	3	3	2	3	3	4	3	1	1	8	2			2	1	1		4	1		3	1	1	47	auto mobile products
030201	steel frame/reinforced concrete house construction work	6	3	9	1		5		1	5	1		5				1	2				1	1	1	42	steel frame/reinforced concrete house construction work
120109	other education/research service	1	3			5	5	2		2	3		1		1		1	5	2	1	2		1	1	36	other education/research service
030199	other civil engineering work	3	5	2	1	2	2	5	2	1		1	3		1		1				2		2	1	34	other civil engineering work
010109	other foods	2	5	3	2	1	1	2		1	2	1	2		2	1	1			3		1	1	1	32	other foods
150103	other waste disposal service	2		3	3	1	1	2	2	1						1	1	1	2			1	3	1	25	other waste disposal service
030202	wooden house construction work				2	2		1	3			1									1			1	11	wooden house construction work
040202	bus service	1												1				1				1		1	5	bus service
011203	metal press products		1								1								1					1	4	metal press products
010902	glass products					1							1											1	3	glass products
050202	port cargo handling service												1											1	2	port cargo handling service
060201	lumbering	1																						1	2	lumbering
170202	information processing																							1	1	information processing

	service																								service	
030302	machinery/apparatus setting work	10	4	6	3	4	6	6	1		3	4	7		1	4	1	1		1	2	1	5		70	machinery/apparatus setting work
011301	machine products	2	5	1	1	8		8		5	2	1	2				5	3	2	7	1	1	2		56	machine products
011701	auto mobile servicing	9	5	2	4	5	2	1	5	3	2	1	2	1	2	1	1			2	2	2	4		56	auto mobile servicing
011709	other manufacturing	2	5	3	1	13	3	2	1		2	1	5	1		3	2	2	2	1	1		1		51	other manufacturing
011001	steel/iron/rolling products	6	1	1	1	2	1		5	5	3	3	3	1	1		8				2	1	2		46	steel/iron/rolling products
011002	casting products	2	4		1	1	2		2	3	4		2		4		1			2		4	4		36	casting products
011102	nonferrous metals casting products	2	2	7			1	1		3	1		1	1	2		1	1	1	2			1		27	nonferrous metals casting products
140101	hotel	1	3	2	2	5	2		2	3	1	2			1	1	1				1				27	hotel
030203	building facility construction work	2	1	3	1	1		2		1	1		1		1	3				1	1		2		21	building facility construction work
011403	electronics equipment and telecommunications apparatus	1	2		1	6	1		1						1		1		1			2	3		20	electronics equipment and telecommunications apparatus
011702	machine repair	2		4	1	1	2	1				1	1	1	1	1			3	1					20	machine repair
030110	water supply/sewage construction work	4	4	4	2		2					1		1						2					20	water supply/sewage construction work
150109	other cleaning and livestock process service			2	2	1		2	2		1				1	3		1	3		1	1			20	other cleaning and livestock process service
030106	road construction work	2		3	1		2		1	1	1	1	1		4					1					18	road construction work
010804	petroleum/coal products	1			4	1						2		3		4						2			17	petroleum/coal products
010104	bread/cake products	2	1	2				3	1		1				1			1	1	1			1		15	bread/cake products
010805	plastics products		3	1	2		1			2	1	1			2								2		15	plastics products
010909	other sand and stone products			1	1			1	1	2	2				1		1		1	1		2			14	other sand and stone products

010803	pharmaceuticals				2	2		1			1	1	1	2		1					2			13	pharmaceuticals
080201	all kinds of retail	3		2				1	1	2	1							2	1					13	all kinds of retail
080202	auto mobile retail		1	1		2			1			1			2		1	2	1			1		13	auto mobile retail
140209	other restaurants		1			3	2			2	1			3	1									13	other restaurants
011009	other steel products	3	1				1		1	2	1				2					1				12	other steel products
080204	fuel retail	1	2	1	2			3		1				1	1									12	fuel retail
080409	other commerce	3		1	1	1		1		2				1	1	1								12	other commerce
140309	other amusement service				2						1		1	2	3	1			2					12	other amusement service
010409	other lumber and wood products		2				2	3			1					2					1			11	other lumber and wood products
070201	fishery	2			2	3		1						1				1			1			11	fishery
140301	golf course			3	2				2			1		1	1	1						1		11	golf course
010806	rubber products	1								6		1			1					1				10	rubber products
011204	metal plating products		1	1				1	1		1	1		1	1	1					1			10	metal plating products
030102	tunnel construction work		2								4				4									10	tunnel construction work
010402	plywood	2	1				4			1										1				9	plywood
150101	building maintenance service		3	1	1						1		2			1								9	building maintenance service
010808	painting products		2			1	1		1					3										8	painting products
011601	electric utility service					5								3										8	electric utility service
020201	quarrying	2		2									1						1	2				8	quarrying
010501	wood furniture	1		2					2	1					1									7	wood furniture
010809	chemical fertilizer products				1		2			1	1				2									7	chemical fertilizer products
130301	bathroom							1		5		1												7	bathroom
010401	lumbering			2	2						1				1									6	lumbering
010901	cement products	1			2	2					1													6	cement products
011409	other electrical equipment		1	1			1										2		1					6	other electrical equipment

030301	electricity/telecommunication work		1											2	1		2					6	electricity/telecommunication work
040201	taxi service		2		2					1							1					6	taxi service
050101	land cargo handling service		1	1				2						1			1					6	land cargo handling service
010503	fittings					3				1										1		5	fittings
010602	paper processing products						3										1	1				5	paper processing products
010904	fire resisting products		2					2									1					5	fire resisting products
011305	other precision machine products		1							1				1	1					1		5	other precision machine products
011602	city gas service	4	1																			5	city gas service
030111	port/seaside construction work							1		2		1		1								5	port/seaside construction work
010802	chemical fiber				2													1		1		4	chemical fiber
020202	gravel digging			2									2									4	gravel digging
040302	specific truck transportation service				1	1	1							1								4	specific truck transportation service
060101	agriculture								1				1				1			1		4	agriculture
010102	fishery products					1							1	1								3	fishery products
010905	other ceramic products	1		1										1								3	other ceramic products
011401	heavy electrical equipment	1								1				1								3	heavy electrical equipment
040101	railroad service								1					1						1		3	railroad service
040309	other land cargo transportation service		1			1														1		3	other land cargo transportation service
070209	other fishery					1							1		1							3	other fishery
090209	other advertisement and mediator		1																	2		3	other advertisement and mediator
110101	telecommunication service												1								2	3	telecommunication service

130102	general clinic						2			1												3	general clinic	
010103	agricultural food products							1													1		2	agricultural food products
010105	alcoholic drinks			1				1															2	alcoholic drinks
010204	dyeing						1	1															2	dyeing
010509	other furniture						2																2	other furniture
010701	printing service						1								1								2	printing service
011302	measuring instruments						1								1								2	measuring instruments
011402	electrical appliance			1																	1		2	electrical appliance
020309	other mining						2																2	other mining
080101	all kinds of wholesale	2																					2	all kinds of wholesale
080205	newspaper retail														1								2	newspaper retail
090101	banking/trust business																					2	2	banking/trust business
090109	other financial business														1	1							2	other financial business
100109	other movie/play service																						2	other movie/play service
130109	other medical treatment service			1																	1		2	other medical treatment service
140302	park and amusement park																				1		2	park and amusement park
170201	security service																				1	1	2	security service
010101	meat/dairy products						1																1	meat/dairy products
010209	other textile products																						1	other textile products
010301	over/under wear																						1	over/under wear
010309	other fiber products																						1	other fiber products
010601	pulp/paper						1																1	pulp/paper
010807	leather products						1																1	leather products
010903	pottery products																						1	pottery products
011201	western tableware/cutting																						1	western tableware/cutting

