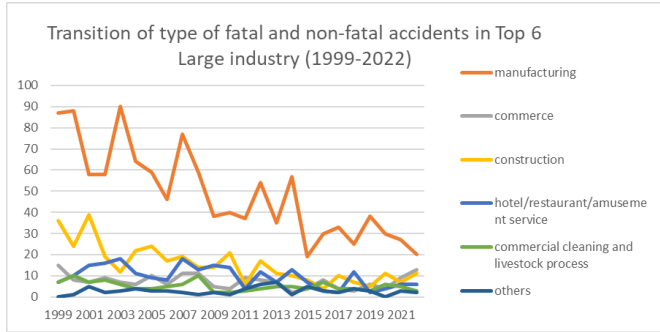
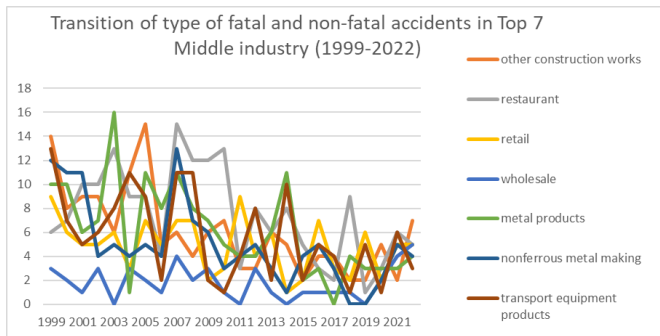


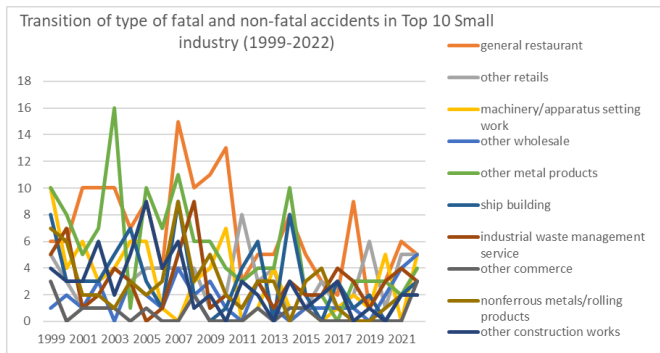
Transition of type of fatal and non-fatal accidents as code no. 14 explosion (1999-2022)



Transition of type of fatal and non-fatal accidents as code no. 14 explosion in Large industry (1999-2022)



Transition of type of fatal and non-fatal accidents as code no. 14 explosion in Middle Industry (1999-2022)



Transition of type of fatal and non-fatal accidents as code no. 14 explosion in Small Industry (1999-2022)

Transition of type of fatal and non-fatal accidents as code no. 14 explosion 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	87	88	58	58	90	64	59	46	77	59	38	40	37	54	35	57	19	30	33	25	38	30	27	20	1,169	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	13	176	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	11	368	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	6	232	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	3	124	commercial cleaning and livestock process
17	others		1	5	2	3	4	3	3	2	1	2	1	4	6	7	1	5	3	2	4	3		3	2	67	others
04	transportation service	6	7	2	4	7	5	4	5	5	6	2	4	4		2	1	3		6	2	6	2	5	1	89	transportation service
13	health and hygiene service		2	1	1	3	1	4	8	6	1	1	1		1	2	2			1	1	1	2	5		44	health and hygiene service
12	education/research service	1	3			5	5	3		2	3		1		1		1	5	2	1	2		1	1		37	education/research service
02	mining	3		4		2							1	1	2					1	2					16	mining
07	livestock/fishery	2			2	3	1	1						1		1	1			2				1		15	livestock/fishery
05	cargo handling service		1	1					2				1			1			1					1		8	cargo handling service
09	financial business/advertisement		1									2	1								2		2			8	financial business/advertisement
06	agriculture	1	1								1				1					1			1	1		7	agriculture
10	movie/play service											2					1									3	movie/play service
11	telecommunication service													1								2				3	telecommunication service
16	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	56	2,366	total

Transition of type of fatal and non-fatal accidents as code no. 14 explosion 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
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	7	145	other construction works
1402	restaurant	6	7	10	10	13	9	9	4	15	12	12	13	3	8	6	8	5	3	2	9	1	3	6	5	179	restaurant

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	products
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
1301	medical treatment service		1		1	2		2	6		1					1	2						1	2		19	medical treatment service
1302	social welfare facility		1	1		1	1	1	2	1			1		1	1				1		1	1	3		17	social welfare facility
0105	furniture	1		2		3	2		2	2						1						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			1			14	fishery
0202	quarrying	2		4										1	2					1	2					12	quarrying
0402	road passenger transport service	1	2		2						1			1				1		1		1		1		11	road passenger transport service
1303	other health and hygiene service							1		5		1									1					8	other health and hygiene service
0501	land cargo handling service		1	1					2						1				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					1						3	railroad/water transportation/airline service
0602	forestry	1	1																				1			3	forestry
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
0502	harbor transportation service											1											1					2	harbor transportation service
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	56	2,366	total		

Transition of type of fatal and non-fatal accidents as code no. 14 explosion in Small industry (1999-2022)

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	2022	Total	Small Industry
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	5	166	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	5	77	other retails
030302	machinery/apparatus setting work	10	4	6	3	4	6	6	1		3	4	7		1	4	1	1		1	2	1	5		5	75	machinery/apparatus setting work
080109	other wholesale	1	2	1	3		3	2	1	4	2	3	1		3	1		1	1	1	1		2	4	5	42	other wholesale
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	4	131	other metal products
011501	ship building	8	3	3	3	5	7	3	1	9	2		1	4	6		8	2		3	1	2		2	3	76	ship building
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	3	70	industrial waste management service
080409	other commerce	3		1	1	1		1			2				1		1	1							3	15	other commerce

010801	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	chemical products
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
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	
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
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
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
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
010804	petroleum/coal products	1			4	1						2		3		4						2				17	petroleum/coal products
130201	social welfare facility		1	1		1	1	1	2	1			1		1	1				1		1	1	3		17	social welfare facility
010104	bread/cake products	2	1	2				3	1		1				1			1	1	1			1			15	bread/cake products
010909	other sand and stone products			1	1			1	1	2	2				1		1		1	1		2				14	other sand and stone products
011509	other transport equipment products	2	1					3		1	1					1	1		1					3		14	other transport equipment products
130101	hospital				1	2			6							1	1						1	2		14	hospital
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
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
030202	wooden house construction work				2	2		1	3		1								1			1	11	wooden house construction work
070201	fishery	2			2	3		1						1				1			1		11	fishery
140301	golf course			3	2				2			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			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			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
040202	bus service	1											1			1				1		1	5	bus service
010802	chemical fiber				2												1		1				4	chemical fiber
011203	metal press products		1								1					1						1	4	metal press products
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
010902	glass products						1					1										1	3	glass 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	
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
050202	port cargo handling service																				1		2	port cargo handling service
060201	lumbering	1																				1	2	lumbering
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	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	2	security service
010101	meat/dairy products					1																	1	meat/dairy products
010209	other textile products																					1	1	other textile products
010301	over/under wear																					1	1	over/under wear
010309	other fiber products																					1	1	other fiber products
010807	leather products			1																			1	leather products
010903	pottery products																					1	1	pottery products
011201	western tableware/cutting tool products																					1	1	western tableware/cutting tool products

011202	screw products														1								1	screw products	
011609	other electric/gas/water service						1																1	other electric/gas/water service	
020109	other coal mining	1																					1	other coal mining	
020301	metal mining											1											1	metal mining	
030105	bridge construction work																					1	1	bridge construction work	
030107	river civil engineering work																					1	1	river civil engineering work	
030108	sand collapse prevention civil engineering work	1																						1	sand collapse prevention civil engineering work
030109	land consolidation civil engineering work																							1	land consolidation civil engineering work
060209	other forestry																							1	other forestry
070101	livestock																							1	livestock
090103	insurance business																							1	insurance business
100101	movie production and delivery service																							1	movie production and delivery service
120101	auto mobile practical training																							1	auto mobile practical training
130309	other health and hygiene service																							1	other health and hygiene service
170101	dispatch service																							1	dispatch service
170202	information processing service																							1	information processing service
010106	soft drinks																								soft drinks
010201	silk-reeling																								silk-reeling
010202	cotton-spinning																								cotton-spinning
010203	weaving																								weaving
010502	metal furniture																								metal furniture
	other pulp/paper processing																								other pulp/paper processing

010609	products																					products
010702	bookbinding																					bookbinding
010709	other printing and bookbinding																					other printing and bookbinding
011303	optical instruments																					optical instruments
011304	watch products																					watch products
011503	railway vehicle products																					railway vehicle products
011603	city water service																					city water service
011704	tobacco products																					tobacco products
020101	general coal mining																					general coal mining
020209	other quarrying																					other quarrying
020302	petroleum mining																					petroleum mining
030101	hydroelectric plant construction work																					hydroelectric plant construction work
030103	subway construction work																					subway construction work
030104	railway construction work																					railway construction work
040102	water transportation service																					water transportation service
040103	airline service																					airline service
040209	other passenger transport service																					other passenger transport service
040303	cargo/ light automobile transportation service																					cargo/ light automobile transportation service
040409	other transportation service																					other transportation service
050201	general harbor transportation service																					general harbor transportation service
050209	other harbor transportation service																					other harbor transportation service

080102	furniture/fittings wholesale																								furniture/fittings wholesale		
080203	furniture/fittings retail																								furniture/fittings retail		
080301	haircut																								haircut		
080302	beauty salon																								beauty salon		
080401	warehousing																								warehousing		
090102	stock/commodity trade business																								stock/commodity trade business		
090201	traveling service																								traveling service		
100102	movie theatre																								movie theatre		
120102	software service																								software service		
150104	cremation service																								cremation service		
150105	livestock process service																								livestock process service		
160101	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	56	2,366	total

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