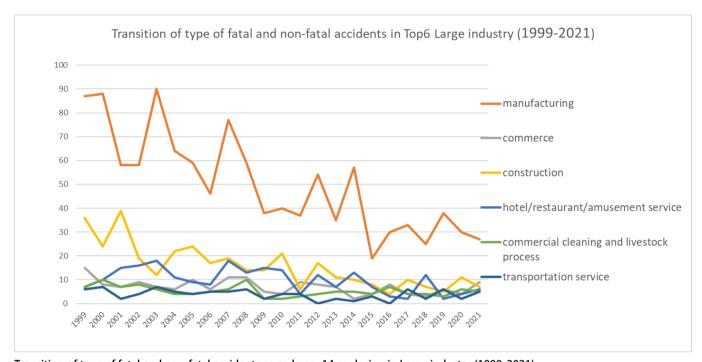
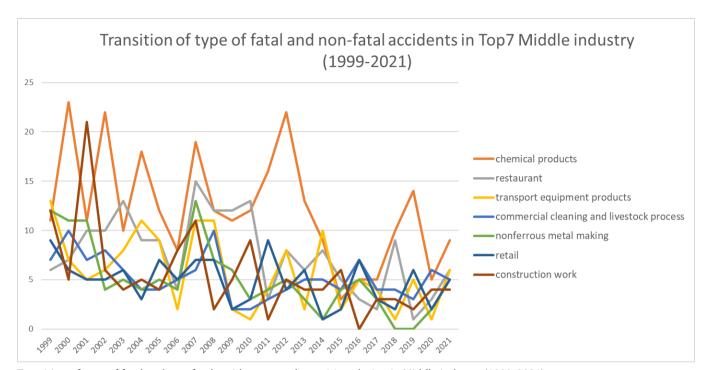
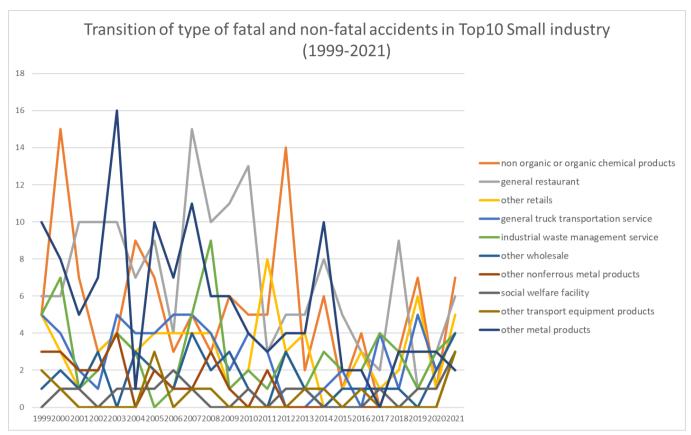
Transition of type of fatal and non-fatal accidents as code no. 14 explosion (1999-2021)



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 as code no. 14 explosion in Middle 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
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

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
17	others		1	5	2	3	4	3	3	2	1	2	1	4	6	7	1	5	3	2	4	3		3	65	others
12	education/research service	1	3			5	5	3		2	3		1		1		1	5	2	1	2		1	1	37	education/research service
05	cargo handling service		1	1					2				1			1			1					1	8	cargo handling service
06	agriculture	1	1								1				1					1			1	1	7	agriculture
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
09	financial		1									2	1								2		2		8	financial
	business/advertisement																									business/advertisement
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	2,310	total

Transition of type of fatal and non-fatal accidents as code no. 14 explosion 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	11	23	11	22	10	18	12	8	19	12	11	12	16	22	13	9	3	5	5	10	14	5	9	280	chemical products
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	174	restaurant
0115	transport equipment products	13	7	5	6	8	11	9	2	11	11	2	1	4	8	2	10	2	5	4	1	5	1	6	134	transport equipment products
1501	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
0111	nonferrous metal making	12	11	11	4	5	4	5	4	13	7	6	3	4	5	3	1	4	5	3			2	5	117	nonferrous metal making
0802	retail	9	6	5	5	6	3	7	5	7	7	2	3	9	4	6	1	2	7	3	2	6	2	5	112	retail
0302	construction work	12	5	21	6	4	5	4	8	11	2	5	9	1	5	4	4	6		3	3	2	4	4	128	construction work
																										road cargo

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
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
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
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
0804	other commerce	3		1	1	1		1			2				1		1	1						12	other commerce
1303	other health and hygiene service							1		5		1									1			8	other health and hygiene service
0106	pulp/paper processing products				1		3													1	1			6	pulp/paper processii products
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/airling 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
0.101	other transportation service																									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	5	15	7	3	4	9	7	3			6	5	5	14	2	6	1	4	2017	3	7	1		122	non organic or organic
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		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
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
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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		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			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
other lumber and wood		2				2	3			1						2				1			11	other lumber and wood
products																								products
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				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 bathhouse							1		5		1												7	bathhouse
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
II	II .	1	1	II	П	11 1	II I	II	II	II	II I	1	1	11	II	II I	1	II	II .	II I	I	I	II	II	II .	1 11

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				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
other medical treatment service		1													1						2	other medical treatment
140302 park and amusement park																1			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	1	other textile products
010301 over/under wear								1													1	over/under wear
010309 other fiber products																			1		1	other fiber products
010601 pulp/paper				1																	1	pulp/paper
010807 leather products			1																		1	leather products
010903 pottery products														1							1	pottery products
011201 western tableware/cutting												1									1	western tableware/cutting

	tool products																		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							1	land consolidation civil engineering work
060209	other forestry		1															1	other forestry
070101	livestock													1				1	livestock
090103	insurance business								1									1	insurance business
100101	movie production and delivery service												1					1	movie production and delivery service
120101	auto mobile practical training					1												1	auto mobile practical training
130309	other health and hygiene service														1			1	other health and hygiene service
170101	dispatch service															1		1	dispatch 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
other printing and bookbinding									other printing and
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
general harbor transportation service									general harbor transportation service
050209 other harbor transportation service									other harbor transportation service

080102	furniture/fittings wholesale												1		<u> </u>					 						furniture/fittings wholesale
	furniture/fittings retail																									furniture/fittings retail
000203	Turniture/fittings retail																1									Turniture/fittings retail
080301	haircut																									haircut
080302	beauty salon																									beauty salon
080401	warehousing																									warehousing
090102	stock/commodity trade																									stock/commodity trade
090102	business																									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	2,310	total

 $\textbf{Data source:} \underline{\textbf{https://anzeninfo.mhlw.go.jp/user/anzen/tok/anst00.htm}}$

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