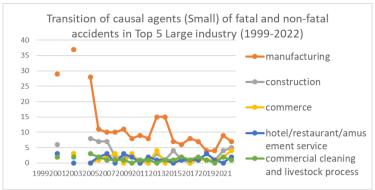
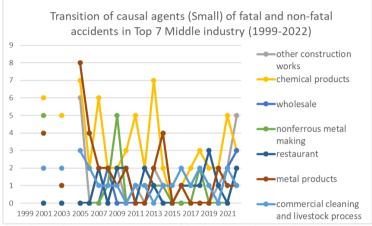
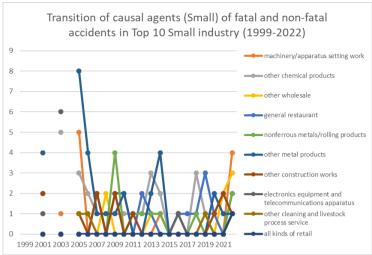
Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 511 explosive substance (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 511 explosive substance in Large industry (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 511 explosive substance in Middle Industry (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 511 explosive substance in Small Industry (1999-2022)

	nion of causal agents (Sinan) of fat																										
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			29		37		28	11	10	10	11	8	9	8	15	15	7	6	8	7	4	4	9	7	243	manufacturing
03	construction			6		3		8	7	7	2	2	2	1		3	1	4	1		1	1	1	4	5	59	construction
08	commerce			2		3			1	2	3		3			4			2		1	1	1	2	4	29	commerce
14	hotel/restaurant/amusement service			3					2	3		3	2		2	1	1		1	1	1	3	1		2	26	hotel/restaurant/amusement service
15	commercial cleaning and livestock process			2		2		3	2	1	1	1		1	1		1	1	2	1	2	1		2	1	25	commercial cleaning and livestock process
04	transportation service			1		1		1	4	1	2	1	2	1	1	2		2				2	1			22	transportation service
12	education/research service					1		1		1	3		1		1			1	1	1				1		12	education/research 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	19	461	total

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 511 explosive substance in Large industry (1999-2022)

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 511 explosive substance in Middle industry (1999-2022)

code Mi	iddle industry	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018 20	19 202	0 2021	2022	total	Middle industry

0303	other construction works		2	1	6		2		2		1		2	1						1	2	5	25	other construction works
0108	chemical products		6	5	7	2	6	2	2	3	5	2	7	2		1	2	3	2	2	5	3	67	chemical products
0801	wholesale							2					1								2	3	8	wholesale
0111	nonferrous metal making		5					1	5		1	1	1	1				2				2	19	nonferrous metal making
1402	restaurant						2		2	2		2	1			1	1	1	3	1		2	18	restaurant
	metal products		4	1	8	4	2	2	1	2			2	4		1				2	1	1	35	metal products
1501	commercial cleaning and livestock process		2	2	3	2	1	1	1		1	1		1	1	2	1	2	1		2	1	25	commercial cleaning and livestock process
0802	retail		1	3		1	1	1		3			2			1		1	1	1		1	17	retail
	electrical equipment products		1	6					1			2		2		2		1				1	16	electrical equipment products
0117	other manufacturing		6	17	6	2	2	2	1	2		1	3	2	3	1	2		2				52	other manufacturing
0101	food products		4	3	3	2				1	1		1	2	1	1	2	1					22	food products
0302	construction work		2	1	2	6	3			2					4						1		21	construction work
0403	road cargo transportation service		1	1	1	4	1	2		2	1	1	2		2				2	1			21	road cargo transportation service
0301	civil engineering work		2	1		1	2	2					1			1		1	1		1		13	civil engineering wor
1201	education/research service			1	1		1	3		1		1			1	1	1				1		12	education/research service
1702	others		3		1		1				1	1	2		1	2							12	others
0110	steel making			1	1			2							2		1				2		9	steel making
0115	transport equipment products			2	1	1					2			1			1						8	transport equipment products
0202	quarrying			1	2						1	1					2	1					8	quarrying
	medical treatment service							1				2	4										/	medical treatment service
0113	machine products			2	1								1		1						1		6	machine products
1403	other amusement service		2			2	1																5	other amusement service
	movie/play service								1	2					1								4	movie/play service
1302	social welfare facility										1					1				2			4	social welfare facility
0104	wood products		1									1		1									3	wood products
	sand and stone products							1	1			1											3	sand and stone products
	other commerce		1				1						1											other commerce
1401	hotel		1						1					1										hotel
0501	land cargo handling service					1												1					2	land cargo handling service
	harbor transportation service		1			1																	2	harbor transportation service
0702	fishery																1			1			2	fishery
1101	telecommunication service																		2				2	telecommunication service

0102 textile products				1																		1	textile products
0106 pulp/paper processing products		1																				1	pulp/paper processing products
0116 electric/gas/water service		1																				1	electric/gas/water service
0401 railroad/water transportation/airline service								1														1	railroad/water transportation/airline service
0803 haircut/beauty salon															1							1	haircut/beauty salon
0901 financial business									1													1	financial business
0902 advertisement and mediator						1																1	advertisement and mediator
0103 fiber products																							fiber products
0105 furniture																							furniture
0107 printing/bookbinding																							printing/bookbinding
0201 coal mining																							coal mining
0203 other mining																							other mining
0402 road passenger transport service																							road passenger transport service
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	19	461	total

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 511 explosive substance 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
030302	machinery/apparatus setting work					1		5									1								4	11	machinery/apparatus setting work
	other chemical products			2		5		3	2	1	1	1	1	1	1	3	2		1		3	1	1	2	3	34	other chemical products
080109	other wholesale										2					1								2	3	8	other wholesale
	general restaurant									2		2	2		2	1			1	1	1	3	1		2	18	general restaurant
011101	nonferrous metals/rolling products											4		1	1	1	1				1				2	11	nonferrous metals/rolling products
011209	other metal products			4				8	4	1	1	1	2			2	4		1				2	1	1	32	other metal products
030309	other construction works			2				1		2		2		1									1	2	1	12	other construction works
011403	electronics equipment and telecommunications apparatus			1		6													1						1	9	electronics equipment and telecommunications apparatus

50109 other cleaning and livestock process service					1	1													1			1	4	other cleaning and livestock process service
30201 all kinds of retail																						1	1	all kinds of retail
1709 other manufacturing		4		13	4	2	2	2	1	1		1	3	2	2	1	2		1				41	other manufacturing
40301 general truck transportation service		1		1	1	4	1	2		2	1		2		2				2	1			20	general truck transportation service
10801 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
00209 other building construction work		1			1	1	3			2					4								12	other building construction work
20109 other education/research service				1	1		1	3		1		1			1	1	1				1		12	other education/research service
50102 industrial waste management service		2			2	1	1					1			1	2	1				1		12	industrial waste management service
70209 others		3			1		1				1	1	2		1	2							12	others
30209 other retails				2		1		1		2			1			1		1	1	1			11	other retails
10109 other foods		1		1	1	1					1			1	1		2	1					10	other foods
1502 auto mobile products				2	1	1					2			1			1						8	auto mobile products
20201 quarrying				1	2						1	1					2	1					8	quarrying
11102 nonferrous metals casting products		5																1					6	nonferrous metals casting products
1409 other electrical equipment									1			2		1		1		1					6	other electrical equipment
0101 building maintenance service				2				1			1			1				1					6	building maintenance service
0101 meat/dairy products		1				1							1	1		1							5	meat/dairy products
1001 steel/iron/rolling products															2		1				2		5	steel/iron/rolling products
1701 auto mobile servicing				3	1														1				5	auto mobile servicing
0199 other civil engineering work		1				1	1											1	1				5	other civil engineering work
steel frame/reinforced concrete house construction work		1				3															1		5	steel frame/reinforced concrete house construction work
0101 hospital												2	3										5	hospital
0804 petroleum/coal products											3										1		4	petroleum/coal products
0805 plastics products		1					1						1								1		4	plastics products
1002 casting products				1	1			2															4	casting products
1301 machine products					1								1		1						1		4	machine products
1703 cleaning				1	1					1					1								4	cleaning
80102 tunnel construction work				1				2													1		4	tunnel construction work
0201 social welfare facility											1					1				2			4	social welfare facility
0102 fishery products				2						1													3	fishery products
0104 bread/cake products		2			1																		3	bread/cake products
0809 chemical fertilizer products							1						2	1								1	3	chemical fertilizer products
30202 wooden house construction work					1	2																	3	wooden house construction work
30202 auto mobile retail	i	 1	i —				1		i —	1		i —	i —	i —								1	3	auto mobile retail

10100 other movio/play service I <th< th=""><th>vice</th></th<>	vice
150103 other waste disposal service I	
150103 other waste disposal service I	vice
Introde products I	
010000 products I <	od
11000 products products 1	
011305 other precision machine products 2 2 2 2 2 0 2 0 0 2 0 0 0 2 0 0 0 0 2 0 0 0 0 0 0 2 0	
1000000000000000000000000000000000000	al
030100 Iand consolidation civil engineering work Image: Construction of the construct	ine
engineering work I	
work Image: Construction of the construc	vil
050202 port cargo handling service 1	inication
080409 other commerce 1	service
110101 telecommunication service Image: Communication service Image: Communica	ervice
140301 golf course 1 1 1 2 golf course 010103 agricultural food products 1 1 1 1 2 golf course	
010103 agricultural food products 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ervice
	ducts
010204 dyeing 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
010401 lumbering	
010601 pulp/paper 1 1 1 1 pulp/paper 1 pulp/paper	
010808 painting products	
010903 pottery products 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
011202 screw products 1 I I I I I I I I I I I I I I I I I I	
011203 metal press products 1 I I I I I I I I I I I I I I I I I I	
011204 metal plating products 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ts
011402 electrical appliance	
011602 city gas service 1 1 city gas service	
030105 bridge construction work	vork
030106 road construction work	ork
030203 building facility construction 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	struction
040101 railroad service 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
040309 other land cargo transportation service Image: Constraint of the service Image: Constraint of the service Image: Constraint of the service	2
070201 fishery	
070209 other fishery 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
080204 fuel retail	

080205 newspaper retail									1							1	newspaper retail
0301 haircut												1				1	haircut
80401 warehousing									1							1	warehousing
90109 other financial business							1									1	other financial business
90209 other advertisement and mediator					1											1	other advertisement and mediator
00101 movie production and delivery service										1						1	movie production and delivery service
30102 general clinic						1										1	general clinic
30109 other medical treatment service									1							1	other medical treatment service
010105 alcoholic drinks																	alcoholic drinks
010106 soft drinks											Ī						soft drinks
010201 silk-reeling																	silk-reeling
010202 cotton-spinning											j						cotton-spinning
010203 weaving							i —				-						weaving
010209 other textile products							i —								1		other textile products
10301 over/under wear											-i						over/under wear
010309 other fiber products															1	1	other fiber products
10402 plywood											i						plywood
10501 wood furniture											— ¦						wood furniture
010502 metal furniture																	metal furniture
010503 fittings		<u> </u>									¦-						fittings
010509 other furniture											¦						other furniture
010602 paper processing products																	paper processing products
10609 other pulp/paper processing products																	other pulp/paper processing products
)10701 printing service	1							i			i				1		printing service
010702 bookbinding											-						bookbinding
010709 Other printing and bookbinding																	other printing and bookbinding
010802 chemical fiber																	chemical fiber
10806 rubber products																	rubber products
10807 leather products																	leather products
010901 cement products																	cement products
010902 glass products											i						glass products
)10904 fire resisting products							i –				-						fire resisting products
10905 other ceramic products							i —										other ceramic products
011009 other steel products		1					1										other steel products
011201 western tableware/cutting tool products																	western tableware/cutting tool products
011302 measuring instruments							1										measuring instruments
011303 optical instruments											—†						optical instruments

011304	watch products													watch products
01140	heavy electrical equipment								i					heavy electrical equipment
01150	ship building													ship building
011503	railway vehicle products			i				Ť			\square			railway vehicle products
011509	other transport equipment products													other transport equipment products
01160	electric utility service													electric utility service
011603	city water service			i			i		Ī					city water service
011609	other electric/gas/water service													other electric/gas/water service
011704	tobacco products													tobacco products
02010	general coal mining													general coal mining
020109	other coal mining													other coal mining
020202	gravel digging													gravel digging
020209	other quarrying													other quarrying
02030	metal mining													metal mining
020302	petroleum mining							Ī						petroleum mining
	other mining													other mining
03010	hydroelectric plant construction work													hydroelectric plant construction work
030103	subway construction work			i										subway construction work
030104	railway construction work													railway construction work
03010	river civil engineering work			i			j							river civil engineering work
030108	sand collapse prevention civil engineering work													sand collapse prevention civil engineering work
030110	water supply/sewage construction work													water supply/sewage construction work
03011	port/seaside construction work													port/seaside construction work
040102	water transportation service													water transportation service
040103	airline service													airline service
04020	taxi service													taxi service
	bus service													bus service
	other passenger transport service													other passenger transport service
	specific truck transportation service													specific truck transportation service
040303	cargo/ light automobile transportation service													cargo/ light automobile transportation service
040409	other transportation service													other transportation service
05020	general harbor transportation service													general harbor transportation service
050209	other harbor transportation service													other harbor transportation service
06010	agriculture													agriculture

		<u> </u>		i——		i——	<u> </u>	i——	i——	-i	i——	i — —	i — —			i——	-i	-i	i——	i——	i——	i —		1
	lumbering																							lumbering
	other forestry																							other forestry
070101	livestock																							livestock
080101	all kinds of wholesale																							all kinds of wholesale
080102	furniture/fittings wholesale																							furniture/fittings wholesale
080203	furniture/fittings retail																							furniture/fittings retail
080302	beauty salon																							beauty salon
090101	banking/trust business																							banking/trust business
090102	stock/commodity trade business																							stock/commodity trade business
090103	insurance business																							insurance business
090201	traveling service																							traveling service
100102	movie theatre																							movie theatre
120101	auto mobile practical training																							auto mobile practical training
120102	software service																							software service
	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	19	461	total

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

https://www.jisha.or.jp/english/statistics/202311_12.html