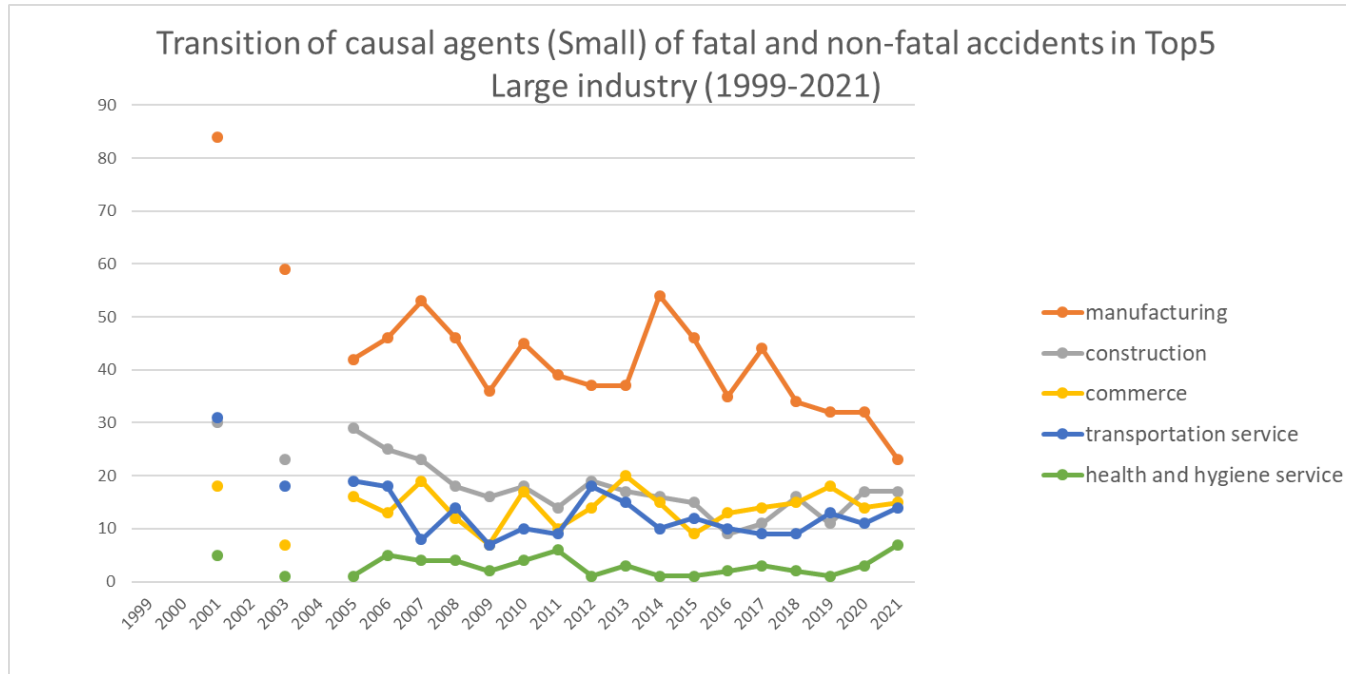
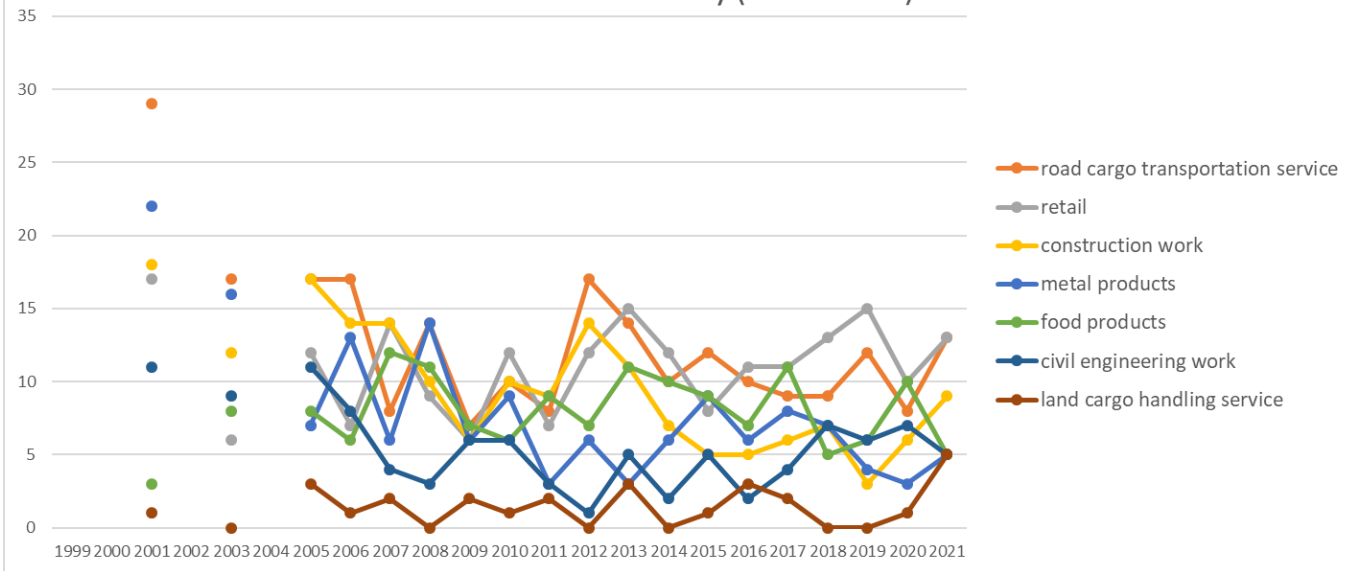


Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 363 human power machine (1999-2021)



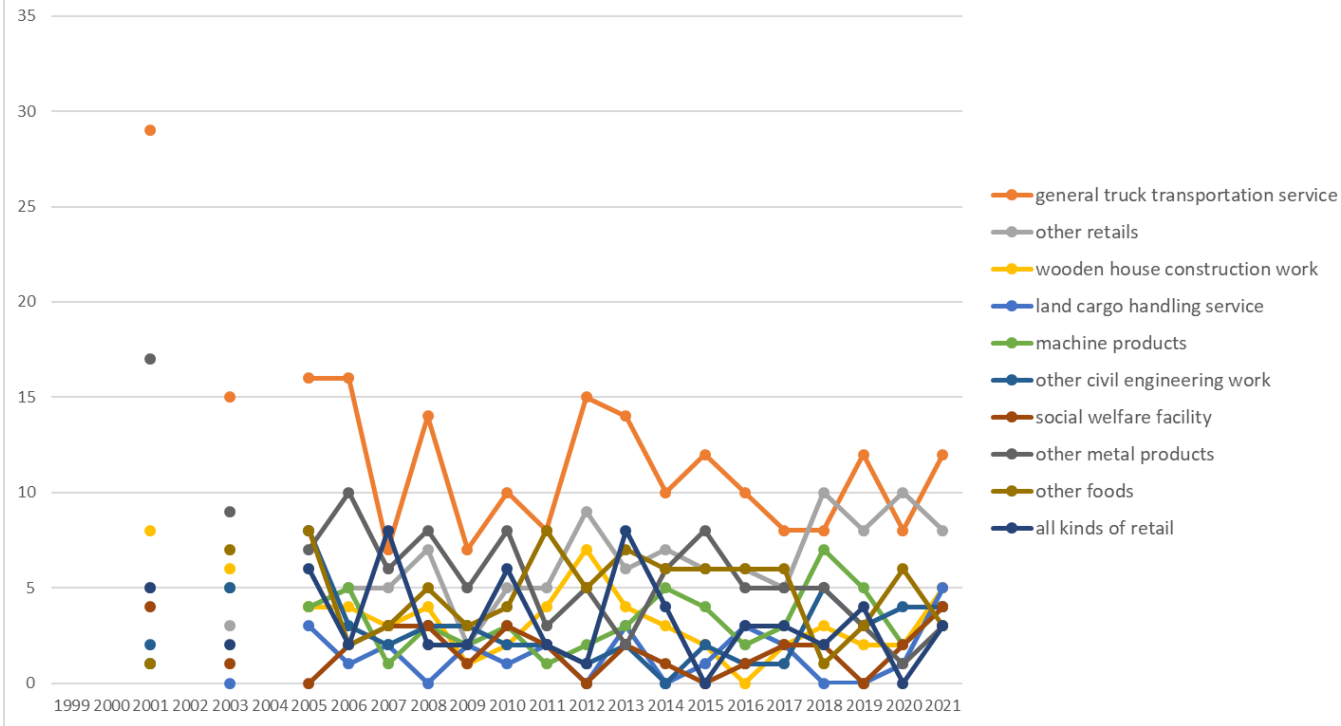
Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 363 human power machine in Large industry (1999-2021)

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. 363 human power machine 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. 363 human power machine in Small Industry (1999-2021)

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 363 human power machine 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			84		59		42	46	53	46	36	45	39	37	37	54	46	35	44	34	32	32	23	824	manufacturing
03	construction			30		23		29	25	23	18	16	18	14	19	17	16	15	9	11	16	11	17	17	344	construction
08	commerce			18		7		16	13	19	12	7	17	10	14	20	15	9	13	14	15	18	14	15	266	commerce
04	transportation service			31		18		19	18	8	14	7	10	9	18	15	10	12	10	9	9	13	11	14	255	transportation service
13	health and hygiene service			5		1		1	5	4	4	2	4	6	1	3	1	1	2	3	2	1	3	7	56	health and hygiene service
05	cargo handling service			1		1		5	4	2		2	1	2		3		1	3	2		1	1	6	35	cargo handling service
14	hotel/restaurant/amusement service			8		6		2	8	5	6	3	3	4	2	6	5	4	1	2	5	4	4	5	83	hotel/restaurant/amusement service

06	agriculture		5	1	4	2	7	4	2	1	1	2	2	2	5	3	1	2	2	5	51	agriculture		
17	others		1	4	3	3		5	5	3	5	5	2	3	4	1	5		3	5	2	59	others	
15	commercial cleaning and livestock process		4	2				1	2	1	2		4	2	3	4	2		4	3	2	36	commercial cleaning and livestock process	
11	telecommunication service						2	1	1		2		1	1			1		2		1	12	telecommunication service	
12	education/research service					2	1			1		1				1	1	2		1	1	11	education/research service	
09	financial business/advertisement									1		1	1	1			1		1		1	7	financial business/advertisement	
07	livestock/fishery			2		3	3	1	1	1	2	2	1	1		4		2	1	1	1		26	livestock/fishery
02	mining		1						1	1				1						1			5	mining
10	movie/play service								1	1							1						3	movie/play service
16	public office		1						1														2	public office
	total		189	124	126	130	124	114	85	106	96	100	113	110	101	85	100	85	94	94	99	2,075	total	

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 363 human power machine 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
0403	road cargo transportation service			29		17		17	17	8	14	7	10	8	17	14	10	12	10	9	9	12	8	13	241	road cargo transportation service
0802	retail			17		6		12	7	14	9	6	12	7	12	15	12	8	11	11	13	15	10	13	210	retail
0302	construction work			18		12		17	14	14	10	6	10	9	14	11	7	5	5	6	7	3	6	9	183	construction work
0112	metal products			22		16		7	13	6	14	6	9	3	6	3	6	9	6	8	7	4	3	5	153	metal products
0101	food products			3		8		8	6	12	11	7	6	9	7	11	10	9	7	11	5	6	10	5	151	food products
0301	civil engineering work			11		9		11	8	4	3	6	6	3	1	5	2	5	2	4	7	6	7	5	105	civil engineering work
0501	land cargo handling service			1				3	1	2		2	1	2		3		1	3	2			1	5	27	land cargo handling service
0113	machine products			3		7		4	6	2	4	2	5	2	2	4	6	4	3	3	8	5	2	4	76	machine products

1302	social welfare facility			4		1			2	3	3	1	3	2		2	1		1	2	2		2	4	33	social welfare facility
0303	other construction works			1		2		1	3	5	5	4	2	2	4	1	7	5	2	1	2	2	4	3	56	other construction works
0601	agriculture			1		1		2	1	2	2				1	1	2		3	1	1	2	2	3	25	agriculture
1301	medical treatment service							1	3				1	1	4		1		1		1	1	3	18	medical treatment service	
0117	other manufacturing			10		6		8	5	8	3	7	6	5	7	7	9	4	5	6	7	6	6	2	117	other manufacturing
0108	chemical products			8		1		3	1	6	2	2	4	3	2	5	5	5	2	4	4	2	1	2	62	chemical products
1702	others			1		3		2	3		5	5	3	5	5	2	3	4	1	5		3	5	2	57	others
1402	restaurant			4		3		1	1	1	3	1	1	2	2	4	2	2	1		3	3	2	2	38	restaurant
1501	commercial cleaning and livestock process			4		2					1	2	1	2		4	2	3	4	2		4	3	2	36	commercial cleaning and livestock process
0602	forestry			4				2	1	5	2		2	1		1		2	2	2			2	26	forestry	
0105	furniture			1		4				2		1			2	2	1			1			2	16	furniture	
1401	hotel			1					1		1	1								1		1	2	8	hotel	
1403	other amusement service			3		3		1	6	4	2	1	2	2		2	3	2		2	1	1	1	1	37	other amusement service
0114	electrical equipment products			8		2		3	3	4		1	2	1	2		3	1		1		1	1	1	34	electrical equipment products
0801	wholesale					1		1	4	4	1	1	1	1		3	1		2	2	2	1	3	1	29	wholesale
0109	sand and stone products			1		4		1	2	2	1		2	2		1	1	1	3		1	2	3	1	28	sand and stone products
0804	other commerce			1				3	2	1	2		4	2	2	2	2	1		1		2	1	1	27	other commerce
0111	nonferrous metal making			2		1		1	1		1		2				2					1		1	12	nonferrous metal making
1101	telecommunication service								2	1	1			2		1	1			1		2		1	12	telecommunication service

1201	education/research service							2	1			1						1	1	2		1	1	11	education/research service	
0502	harbor transportation service				1			2	3												1		1	8	harbor transportation service	
0902	advertisement and mediator														1								1	3	advertisement and mediator	
0404	other transportation service																						1	1	other transportation service	
0115	transport equipment products			5		5		4	4	4	3	3	5	6	4	1	2	5	6	1	1	1		60	transport equipment products	
0107	printing/bookbinding			4		2			1		1	3	2	2	1	1	5			4			1	27	printing/bookbinding	
0106	pulp/paper processing products			5		1		1	1	1	2	2	1		3	1		1	1	1	1	2	2	26	pulp/paper processing products	
0110	steel making			3					2	2	2			2			1	2		3		2	1	20	steel making	
0104	wood products			5		1		1	1	1	1			1			1	4	1				1	18	wood products	
0701	livestock								2	1	1	1		2	1	1		2		2	1	1		15	livestock	
0103	fiber products			2						2	1	2	1	2			1		1	1				13	fiber products	
0702	fishery					2		3	1				2					2					1	11	fishery	
0102	textile products			2		1		1		1				1		1	1						1	9	textile products	
0402	road passenger transport service			1																			2	8	road passenger transport service	
0401	railroad/water transportation/airline service			1		1		1															1	1	5	railroad/water transportation/airline service
1303	other health and hygiene service			1							1	1						1						5	other health and hygiene service	
0202	quarrying			1								1											1	4	quarrying	
0901	financial business																						1	4	financial business	

1001	movie/play service									1	1							1							3	movie/play service
0116	electric/gas/water service													1		1									2	electric/gas/water service
1601	public office			1						1														2	public office	
1701	dispatch service					1		1																2	dispatch service	
0203	other mining										1													1	other mining	
0201	coal mining																									coal mining
0803	haircut/beauty salon																									haircut/beauty salon
	total			189		124		126	130	124	114	85	106	96	100	113	110	101	85	100	85	94	94	99	2,075	total

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 363 human power machine 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
040301	general truck transportation service			29		15		16	16	7	14	7	10	8	15	14	10	12	10	8	8	12	8	12	231	general truck transportation service
080209	other retails			5		3		4	5	5	7	2	5	5	9	6	7	6	6	5	10	8	10	8	116	other retails
030202	wooden house construction work			8		6		4	4	3	4	1	2	4	7	4	3	2		2	3	2	2	5	66	wooden house construction work
050101	land cargo handling service			1				3	1	2		2	1	2		3		1	3	2			1	5	27	land cargo handling service
011301	machine products			1		5		4	5	1	3	2	3	1	2	3	5	4	2	3	7	5	2	4	62	machine products
030199	other civil engineering work			2		5		8	3	2	3	3	2	2	1	2		2	1	1	5	3	4	4	53	other civil engineering work
130201	social welfare facility			4		1			2	3	3	1	3	2		2	1		1	2	2		2	4	33	social welfare facility
011209	other metal products			17		9		7	10	6	8	5	8	3	5	2	6	8	5	5	5	3	1	3	116	other metal products
010109	other foods			1		7		8	2	3	5	3	4	8	5	7	6	6	6	6	1	3	6	3	90	other foods
080201	all kinds of retail			5		2		6	2	8	2	2	6	2	1	8	4		3	3	2	4		3	63	all kinds of retail
030309	other construction works					2		1	1	2	2	2	2	2	3		4	3	2	1		1	3	3	34	other construction works
060101	agriculture			1		1		2	1	2	2				1	1	2		3	1	1	2	2	3	25	agriculture

030209	other building construction work			3	4	5	5	4	4	4	5	3	3	2	2	1	3	3	1	1	2	2	57	other building construction work
170209	others			1	3	2	3		5	3	3	4	5	2	3	3		4		2	5	2	50	others
140201	general restaurant			3	3	1	1	1	3	1	1	2	2	3	2	2	1		3	3	2	2	36	general restaurant
011203	metal press products			5	6		2		4	1	1		1	1		1	1	2	2	1	2	2	32	metal press products
130101	hospital						3			1	1	1		1		1		1		1	1	2	13	hospital
140101	hotel			1			1		1	1									1		1	2	8	hotel
150103	other waste disposal service			1	1							1										2	5	other waste disposal service
011701	auto mobile servicing			4	4	4	4	4	2	2	2		3	5	4	1	2	3	3	4	3	1	55	auto mobile servicing
030201	steel frame/reinforced concrete house construction work			5	1	8	5	5	1	1	2	2	2	4		2	2	1	2		2	1	46	steel frame/reinforced concrete house construction work
011709	other manufacturing			3	1	2		2		5	2	2	4	2	4	2	1	2	2	2	3	1	40	other manufacturing
010805	plastics products			5	1	3		2	1	2	4	1		2	1	1	1	2	1	1		1	29	plastics products
080109	other wholesale				1		3	4	1	1	1	1		3	1		1	1	2	1	3	1	25	other wholesale
080409	other commerce			1		2	1	1	1		2	1	1		2	1		1		2	1	1	18	other commerce
011409	other electrical equipment			5	1	1	2	1			1		1		1			1		1	1	1	17	other electrical equipment
010901	cement products			1	2		1				1	2		1	1	1	1		1	1	2	1	16	cement products
060201	lumbering			3		1	1	2	1		2					1	1	2				1	15	lumbering
080204	fuel retail			3	1	1		1		1	1			1		1		1	1	2		1	15	fuel retail
010101	meat/dairy products						1	3	2	1			1	1				1	1	2		1	14	meat/dairy products
030203	building facility construction work			2	1				2	1		1		2	1	2				1			14	building facility construction work
010806	rubber products			2				1					1	1	2	2			1	1	1	1	13	rubber products
110101	telecommunication service						2	1	1			2		1	1			1		2		1	12	telecommunication service
060209	other forestry			1		1		3	1			1		1		1	1					1	11	other forestry

120109	other education/research service							2	1			1						1	1	2		1	1	11	other education/research service
010103	agricultural food products								1	1		1			1	2			2	1			1	10	agricultural food products
010501	wood furniture				3				1					1	1								1	7	wood furniture
050202	port cargo handling service					1		2	1											1			1	6	port cargo handling service
140302	park and amusement park								1	1		1				1							1	6	park and amusement park
130109	other medical treatment service																						1	4	other medical treatment service
010503	fittings									1													1	3	fittings
040309	other land cargo transportation service								1														1	3	other land cargo transportation service
080203	furniture/fittings retail			1																			1	3	furniture/fittings retail
011101	nonferrous metals/rolling products			1																			1	2	nonferrous metals/rolling products
030107	river civil engineering work											1											1	2	river civil engineering work
090209	other advertisement and mediator																						1	2	other advertisement and mediator
040409	other transportation service																						1	1	other transportation service
011502	auto mobile products			3		2		2	1	2	2	2	3	5	4	1	1	3	2					33	auto mobile products
030106	road construction work			5		2		1	2			2	2	1		1	2	2		1	1			22	road construction work
010701	printing service			4		2					1	2	2	2	1	1	4			1			1	21	printing service
010102	fishery products			1		1			2	3	3	1	2	1		1	1	2				1	1	20	fishery products
011501	ship building			2		2		1	2	1	1	1	2	1		1	1	3	1	1				20	ship building
150101	building maintenance service			2		1						2	1			3		2	2	1		4	2	20	building maintenance service
140301	golf course			2		3		1	4	2	1		1	1			2					1	1	19	golf course
010602	paper processing products			5						1	1	2			2			1	1	1	1	2	1	18	paper processing products
010104	bread/cake products			1						1	1	1			1	1	1	1	1	2	2		2	15	bread/cake products

070101	livestock								2	1	1	1		2	1	1		2		2	1	1			15	livestock
011703	cleaning			1		1			1	1	1		2				1	1	2	1	1				13	cleaning
030302	machinery/apparatus setting work								2		3	1			1		1	1			2	1			12	machinery/apparatus setting work
140309	other amusement service			1					2	1		1		1		2	1	1		1	1				12	other amusement service
010309	other fiber products			2						2	1	1	1	2			1		1						11	other fiber products
080202	auto mobile retail			2			1				1			1		1	1	2	1		1				11	auto mobile retail
010409	other lumber and wood products			3					1	1	1			1				2	1						10	other lumber and wood products
011403	electronics equipment and telecommunications apparatus			2			1	1	2					1	1		1	1							10	electronics equipment and telecommunications apparatus
030104	railway construction work			2		2	1	1	1									1			2				10	railway construction work
030301	electricity/telecommunication work			1					3		1				1	2	1						1		10	electricity/telecommunication work
010909	other sand and stone products					2		1	1	1								2			1	1			9	other sand and stone products
011305	other precision machine products			2		1			1				2	1				1			1				9	other precision machine products
011702	machine repair			2			2		1					3							1				9	machine repair
080401	warehousing						1	1		1			2	1	1	2									9	warehousing
011001	steel/iron/rolling products			1					1	1	1			1				2				1			8	steel/iron/rolling products
011009	other steel products							1						1			1			3		1			7	other steel products
011509	other transport equipment products					1		1	1	1							1	1				1			7	other transport equipment products
070201	fishery					2		2	1					1											7	fishery
170201	security service										2			1				1	1	1		1			7	security service

010609	other pulp/paper processing products							1	1	1	1	1								1	6	other pulp/paper processing products	
011402	electrical appliance			1	1				1	1	1				1							6	electrical appliance
030109	land consolidation civil engineering work							1							1	1	1	1				6	land consolidation civil engineering work
030110	water supply/sewage construction work			1				1			1				1					2		6	water supply/sewage construction work
010401	lumbering			1	1										2					1		5	lumbering
010899	other chemical products											1	1		1		1	1				5	other chemical products
011002	casting products			2					1	1										1		5	casting products
011102	nonferrous metals casting products			1				1			2								1			5	nonferrous metals casting products
011109	other nonferrous metal products				1	1			1					2								5	other nonferrous metal products
150102	industrial waste management service													1	1	2	1					5	industrial waste management service
010509	other furniture				1							2	1									4	other furniture
010702	bookbinding							1		1							2					4	bookbinding
010801	non organic or organic chemical products							1	1					1	1							4	non organic or organic chemical products
010807	leather products												1		1		1	1				4	leather products
040201	taxi service			1				1					1							1		4	taxi service
040202	bus service						1						1		1					1		4	bus service
040302	specific truck transportation service				1	1							1						1			4	specific truck transportation service
070209	other fishery						1				1				1					1		4	other fishery
080101	all kinds of wholesale						1	1								1	1					4	all kinds of wholesale

150109	other cleaning and livestock process service			1								1		1						1		4	other cleaning and livestock process service	
010203	weaving				1									1							1		3	weaving
010402	plywood			1			1							1									3	plywood
010808	painting products								2								1						3	painting products
011304	watch products								1				1	1									3	watch products
020201	quarrying									1				1							1		3	quarrying
030108	sand collapse prevention civil engineering work								1					1							1		3	sand collapse prevention civil engineering work
040103	airline service			1		1		1															3	airline service
040303	cargo/ light automobile transportation service					1			1					1									3	cargo/ light automobile transportation service
130309	other health and hygiene service			1					1					1									3	other health and hygiene service
010202	cotton-spinning								1								1						2	cotton-spinning
010204	dyeing			1				1															2	dyeing
010209	other textile products			1										1									2	other textile products
010301	over/under wear									1											1		2	over/under wear
010502	metal furniture			1					1														2	metal furniture
010601	pulp/paper					1		1															2	pulp/paper
010709	other printing and bookbinding															1					1		2	other printing and bookbinding
010804	petroleum/coal products												1			1							2	petroleum/coal products
010905	other ceramic products							1		1													2	other ceramic products
011202	screw products									2													2	screw products
011204	metal plating products								1												1		2	metal plating products
011302	measuring instruments					1			1														2	measuring instruments

030105	bridge construction work			1								1									2	bridge construction work	
040101	railroad service																			1	1	2	railroad service
050201	general harbor transportation service							2														2	general harbor transportation service
080205	newspaper retail			1									1									2	newspaper retail
090101	banking/trust business												1	1								2	banking/trust business
090103	insurance business											1								1		2	insurance business
100109	other movie/play service								1	1												2	other movie/play service
130301	bathhouse								1							1						2	bathhouse
140209	other restaurants			1										1								2	other restaurants
150105	livestock process service								1						1							2	livestock process service
160101	public office			1					1													2	public office
170101	dispatch service				1	1																2	dispatch service
010105	alcoholic drinks																			1		1	alcoholic drinks
010106	soft drinks								1													1	soft drinks
010802	chemical fiber								1													1	chemical fiber
010803	pharmaceuticals			1																		1	pharmaceuticals
010903	pottery products											1										1	pottery products
011201	western tableware/cutting tool products					1																1	western tableware/cutting tool products
011401	heavy electrical equipment						1															1	heavy electrical equipment
011601	electric utility service													1								1	electric utility service
011603	city water service															1						1	city water service
020202	gravel digging			1																		1	gravel digging
020302	petroleum mining										1											1	petroleum mining
030111	port/seaside construction work								1													1	port/seaside construction work

050209	other harbor transportation service																							other harbor transportation service
080102	furniture/fittings wholesale																							furniture/fittings wholesale
080301	haircut																							haircut
080302	beauty salon																							beauty salon
090102	stock/commodity trade business																							stock/commodity trade business
090109	other financial business																							other financial business
100102	movie theatre																							movie theatre
120101	auto mobile practical training																							auto mobile practical training
120102	software service																							software service
150104	cremation service																							cremation service
170202	information processing service																							information processing service
	total			189	124	126	130	124	114	85	106	96	100	113	110	101	85	100	85	94	94	99	2,075	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