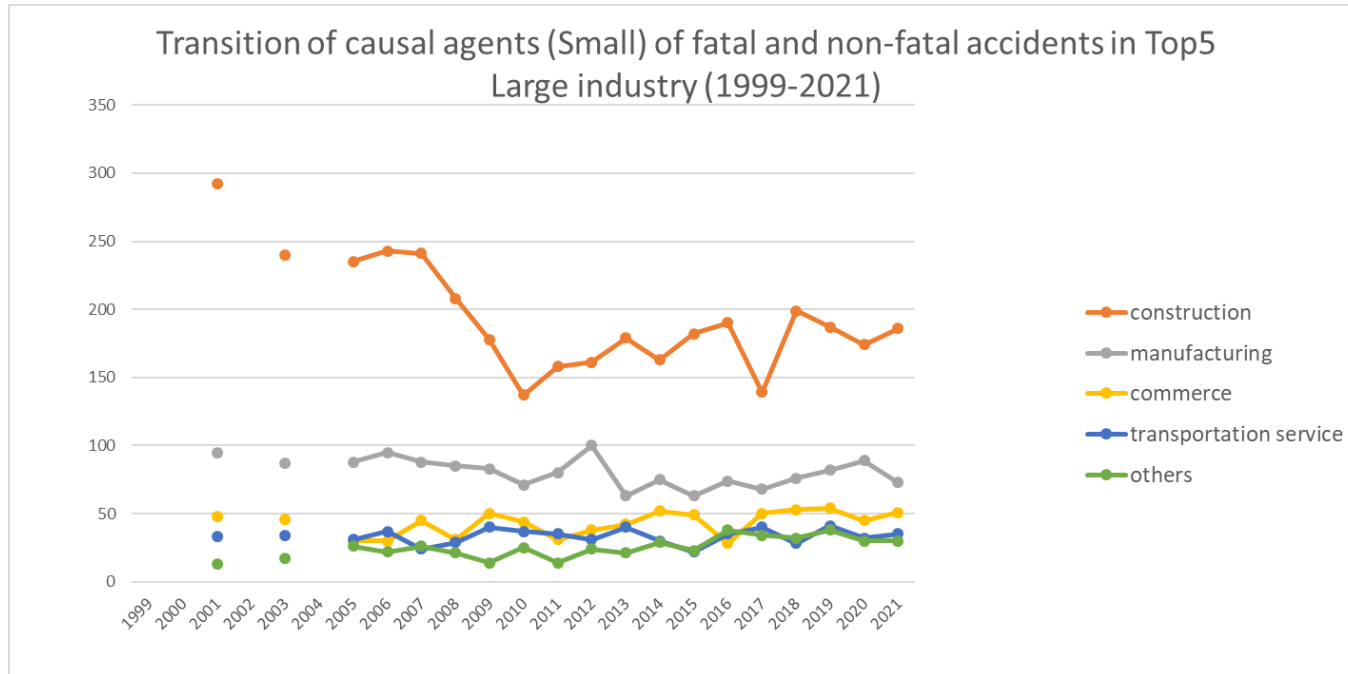
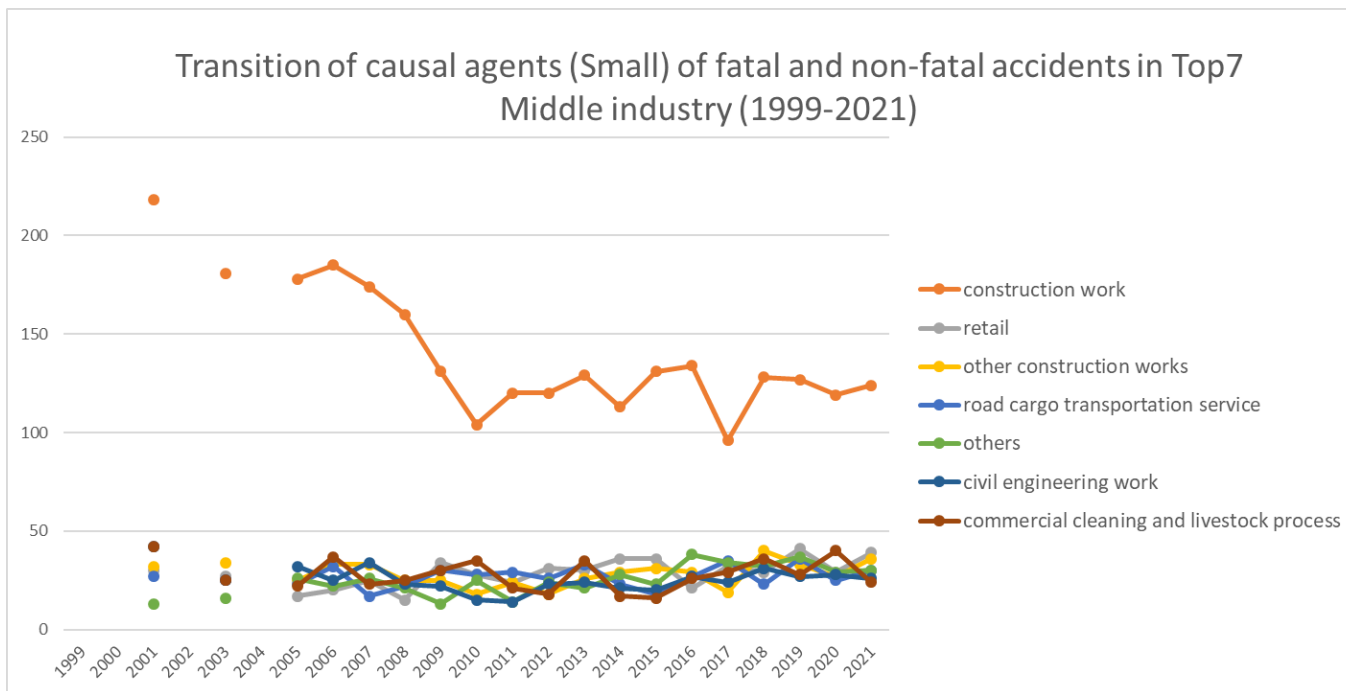


Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 414 opening (1999-2021)

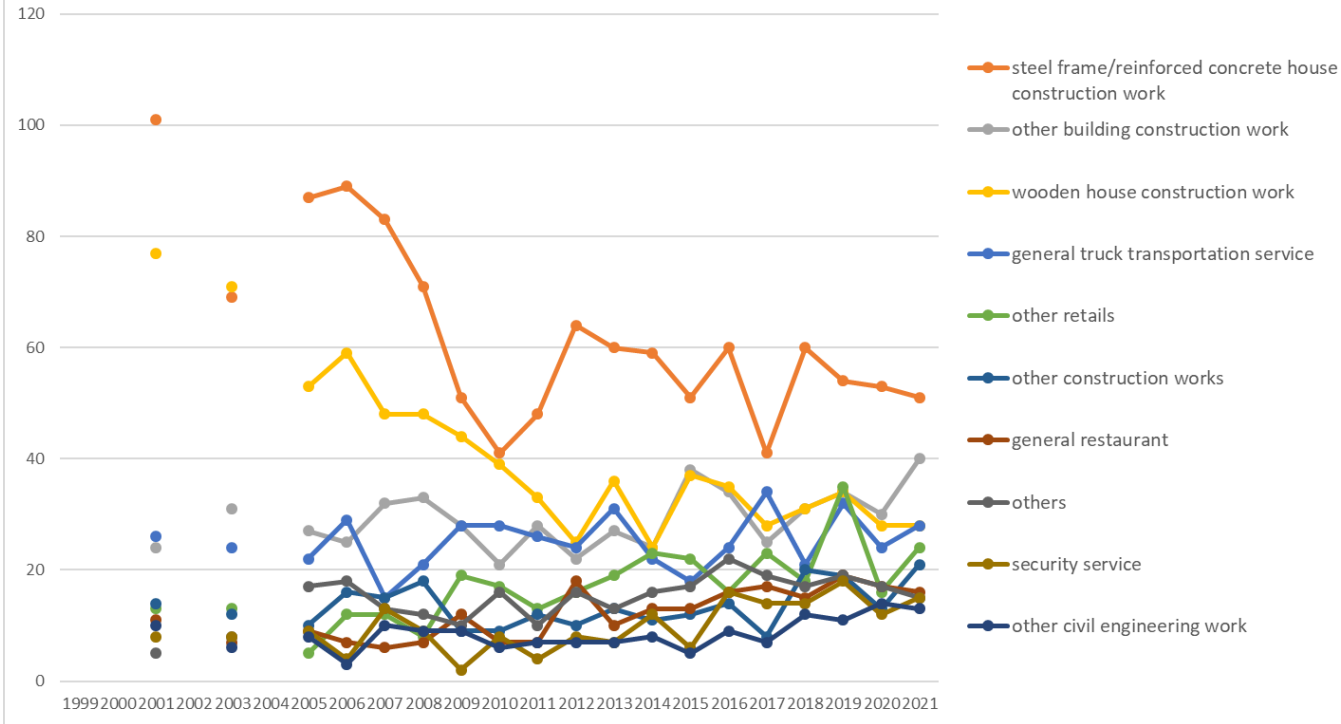


Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 414 opening in Large industry (1999-2021)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 414 opening 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. 414 opening in Small Industry (1999-2021)

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 414 opening 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
03	construction			292		240		235	243	241	208	178	137	158	161	179	163	182	190	139	199	187	174	186	3,692	construction
01	manufacturing			95		87		88	95	88	85	83	71	80	100	63	75	63	74	68	76	82	89	73	1,535	manufacturing
08	commerce			48		46		30	30	45	31	50	44	31	38	42	52	49	28	50	53	54	45	51	817	commerce
04	transportation service			33		34		31	37	24	29	40	37	35	31	40	30	22	35	40	28	41	32	35	634	transportation service
17	others			13		17		26	22	26	21	14	25	14	24	21	29	23	38	34	32	38	30	30	477	others
15	commercial cleaning and livestock process			42		25		22	37	23	25	30	35	21	18	35	17	16	26	29	36	28	40	24	529	commercial cleaning and livestock process
	hotel/restaurant/amusement																									hotel/restaurant/amusement

14	service			23		15		18	15	16	12	24	14	19	30	20	18	22	25	26	26	30	22	19	394	service
13	health and hygiene service			7		7		8	8	6	5	9	9	11	7	8	10	12	13	7	12	16	21	18	194	health and hygiene service
05	cargo handling service			6		6		6	2	5	9	11	10	6	6	4	9	8	10	6	13	8	7	9	141	cargo handling service
07	livestock/fishery			7		6		4	5	7	7	6	1	6	6	3	6	5	6	6	8	3	10	7	109	livestock/fishery
12	education/research service			5		1		2	2	3	7	4	5	1	1	6	2	5	5	4	2	4	2	4	65	education/research service
11	telecommunication service					1		2	2	4	2	2	1		4	1	3	1	3	5	2	2	2	4	41	telecommunication service
10	movie/play service					1			1		1				1	1				1	1			2	9	movie/play service
06	agriculture			1		3		1	1	2	5	5	1	2	4	5	5	3	3	1	4	5	9	1	61	agriculture
09	financial business/advertisement			3		2		3	1	1	1		3	1	1	1		1		2		3	1	1	25	financial business/advertisement
02	mining			3		2			4	3	1	1	1	2			1	1		1		1		1	22	mining
16	public office												1		1					1	2			1	6	public office
	total			578		493		476	505	494	449	457	395	387	433	429	420	413	456	420	494	502	484	466	8,751	total

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 414 opening 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
0302	construction work			218		181		178	185	174	160	131	104	120	120	129	113	131	134	96	128	127	119	124	2,672	construction work
0802	retail			30		27		17	20	25	15	34	28	24	31	30	36	36	21	32	29	41	29	39	544	retail
0303	other construction works			32		34		25	33	33	25	25	18	24	18	26	29	31	29	19	40	33	27	36	537	other construction works
0403	road cargo transportation service			27		25		23	32	17	22	30	28	29	26	33	23	18	27	35	23	36	25	30	509	road cargo transportation service
1702	others			13		16		26	22	26	21	13	25	14	24	21	28	23	38	34	32	37	29	30	472	others
0301	civil engineering work			42		25		32	25	34	23	22	15	14	23	24	21	20	27	24	31	27	28	26	483	civil engineering work
1501	commercial cleaning and livestock process			42		25		22	37	23	25	30	35	21	18	35	17	16	26	29	36	28	40	24	529	commercial cleaning and livestock process

0402	road passenger transport service			3		6		4	1	6	3	4	7	3	3	3	2	6	2	3	2	2	3	66	transport service	
0104	wood products			2		4		1	3	5	4	2	3	2		3	3	2	1		3	8	1	3	50	wood products
0702	fishery			1		4		1	1	2	3	4		4	4	2		2		1	4	1	1	3	38	fishery
1303	other health and hygiene service														1						1	1	2	3	8	other health and hygiene service
1401	hotel			6		2		3	3	4	1	7	5	5	7	4	2	5	7	4	3	1	3	2	74	hotel
0502	harbor transportation service			2		5		4		2	5	6	5	3	4	2	3	2	2	1	10	4	4	2	66	harbor transportation service
0401	railroad/water transportation/airline service			3		3		4	4	1	3	5	2	3	2	4	4	2	2	3	2	3	5	2	57	railroad/water transportation/airline service
0111	nonferrous metal making			2				1	4	2		2		1	1	1			1	2			1	2	20	nonferrous metal making
1001	movie/play service					1			1		1				1	1				1	1			2	9	movie/play service
1403	other amusement service			4		4		5	5	5	3	4	1	3	5	6	2	4	1	3	5	8	2	1	71	other amusement service
0114	electrical equipment products			5		7		1	3	5	6	4	2	5	3	2	3		2	1	3	2	5	1	60	electrical equipment products
0601	agriculture			1		2		1	1	2	5	5	1	2	3	5	5	3	2	1	3	5	9	1	57	agriculture
0116	electric/gas/water service			2		2		4		2	2	2		1	3	3	1	1	2	3		2	3	1	34	electric/gas/water service
0103	fiber products			2		1		2	1			2	2	2	1	1	1			1	2	1	1	1	21	fiber products
0202	quarrying			2		2			3	3	1	1	1	2			1	1		1		1		1	20	quarrying
0902	advertisement and mediator			1		1		1	1	1	1		1		1							2		1	12	advertisement and mediator
1601	public office												1		1					1	2			1	6	public office
0102	textile products			4		1		1	2		1		3			1	5		2	1	1	1			23	textile products

0105	furniture					3		3			1	2	1					1	2							13	furniture
0901	financial business			2		1		2					2	1		1			2		1	1				13	financial business
1701	dispatch service					1						1				1					1	1				5	dispatch service
0602	forestry					1								1				1		1						4	forestry
0803	haircut/beauty salon																		2		1					3	haircut/beauty salon
0203	other mining			1				1																		2	other mining
0404	other transportation service										1	1														2	other transportation service
0201	coal mining																										coal mining
	total			578		493		476	505	494	449	457	395	387	433	429	420	413	456	420	494	502	484	466	8,751	total	

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 414 opening 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
030201	steel frame/reinforced concrete house construction work			101		69		87	89	83	71	51	41	48	64	60	59	51	60	41	60	54	53	51	1,193	steel frame/reinforced concrete house construction work
030209	other building construction work			24		31		27	25	32	33	28	21	28	22	27	24	38	34	25	31	34	30	40	554	other building construction work
030202	wooden house construction work			77		71		53	59	48	48	44	39	33	25	36	24	37	35	28	31	34	28	28	778	wooden house construction work
040301	general truck transportation service			26		24		22	29	15	21	28	28	26	24	31	22	18	24	34	21	32	24	28	477	general truck transportation service
080209	other retails			13		13		5	12	12	8	19	17	13	16	19	23	22	16	23	18	35	16	24	324	other retails
030309	other construction works			14		12		10	16	15	18	9	9	12	10	13	11	12	14	8	20	19	13	21	256	other construction works
140201	general restaurant			11		7		9	7	6	7	12	7	7	18	10	13	13	16	17	15	19	17	16	227	general restaurant
170209	others			5		8		17	18	13	12	10	16	10	16	13	16	17	22	19	17	19	17	15	280	others

170201	security service			8		8		9	4	13	9	2	8	4	8	7	12	6	16	14	14	18	12	15	187	security service
030199	other civil engineering work			10		6		8	3	10	9	9	6	7	7	7	8	5	9	7	12	11	14	13	161	other civil engineering work
030302	machinery/apparatus setting work			14		17		11	14	13	7	12	5	6	4	7	11	17	10	8	14	11	9	11	201	machinery/apparatus setting work
150101	building maintenance service			18		18		9	20	13	9	14	19	9	5	18	5	7	13	16	21	13	16	9	252	building maintenance service
130201	social welfare facility			3		3		6	6	4	3	6	7	8	3	7	5	9	8	5	8	11	15	9	126	social welfare facility
150102	industrial waste management service			8		2		5	5	4	8	5	2	5	7	5	7	3	3	2	7	9	8	8	103	industrial waste management service
011501	ship building			10		13		9	9	4	10	8	9	7	11	6	5	6	3	5	7	3	10	7	142	ship building
050101	land cargo handling service			4		1		2	2	3	4	5	5	3	2	2	6	6	8	5	3	4	3	7	75	land cargo handling service
010109	other foods			14		9		5	13	4	12	10	7	7	10	8	10	8	10	9	10	17	15	6	184	other foods
080109	other wholesale			9		9		6	4	15	9	9	11	2	2	9	13	7	3	8	11	6	11	6	150	other wholesale
011209	other metal products			5		10		11	6	10	8	9	4	7	12	5	3	4	9	6	6	8	8	6	137	other metal products
130101	hospital			1		3		2	2	2	2	2	2	2	2	1	4	3	4	1	3	2	3	6	47	hospital
030203	building facility construction work			16		10		11	12	11	8	8	3	11	9	6	6	5	5	2	6	5	8	5	147	building facility construction work
150109	other cleaning and livestock process service			11		3		3	7	3	3	4	8	4	4	6	2	4	6	3	7	3	8	5	94	other cleaning and livestock process service
080201	all kinds of retail			8		8		4	4	6	2	8	7	4	7	3	2	7	2	2	4	4	3	5	90	all kinds of retail
011301	machine products			9		2		6	4	8	1	7		5	5	6	5	5	3	4	7	4	2	5	88	machine products
010901	cement products			9		2		4	5	2	3	1	5	2	4	2	2		2		3	1	2	5	54	cement products
030110	water supply/sewage construction work			9		14		9	10	10	9	8	5	2	6	7	5	4	8	4	8	6	3	4	131	water supply/sewage construction work
030301	electricity/telecommunication work			4		5		4	3	5		4	4	6	4	6	7	2	5	3	6	3	5	4	80	electricity/telecommunication work
080204	fuel retail			5		2		6	1	6	2	4	4	4	2	4	8	5	1	7	3	1	3	4	72	fuel retail
030106	road construction work			1		4		8	6	5	2	3	1	3	2	3	4	5	6	2	3	3	6	4	71	road construction work

040309	other land cargo transportation service			1	1				1	2		1		2	1		2	1	2	2	1	2	19	other land cargo transportation service		
070209	other fishery					1			3			2	1	2		1			3	1		2	16	other fishery		
010701	printing service					2	1		1	3			1	1		1	1	1	1			2	15	printing service		
010806	rubber products				1				1	1		1	2				2	1		2		2	13	rubber products		
011101	nonferrous metals/rolling products			1			1	3	1		2			1			1	1				2	13	nonferrous metals/rolling products		
060101	agriculture			1		2		1	1	2	5	5	1	2	3	5	5	3	2	1	3	5	9	1	57	agriculture
050202	port cargo handling service			2		5		3		1	5	5	3	2	3	2	2	2	2	1	7	2	4	1	52	port cargo handling service
040101	railroad service			2		1		4	4	1	3	4	2	2	2	4	3	2	2	3	2	3	5	1	50	railroad service
040202	bus service			3		2			1	4	2	1	6	3	2	2	3	1	3	1	2	1	2	1	40	bus service
140301	golf course			1		1		1	3	1		2		1		2	1	3	1	1	2	3	1	1	25	golf course
010909	other sand and stone products			1		3			2			1	1		2	1	1	1	1	1	1	2	5	1	24	other sand and stone products
011002	casting products			1				3	2	1	4			1	2			1	4			1	2	1	23	casting products
011403	electronics equipment and telecommunications apparatus			2		4		1	1	1	3	1	2	2	1		1		1			1	1	1	23	electronics equipment and telecommunications apparatus
011703	cleaning			1		1		5		2		1	2	1	2	2	1	2				1		1	22	cleaning
070201	fishery			1		4			1	2		4		2	3			1		1	1		1	1	22	fishery
010309	other fiber products			1		1		2	1			1	1	2	1	1	1				2	1	1	1	17	other fiber products
010602	paper processing products					1		1		1	1	2	1	2	2		1		1				1	1	15	paper processing products
020201	quarrying			1		2			1	3		1	1	1			1			1				1	13	quarrying
050201	general harbor transportation service							1		1		1	2	1	1					3	1		1	12	general harbor transportation service	
090209	other advertisement and mediator							1	1	1	1		1		1			1				2		1	10	other advertisement and mediator

011305	other precision machine products			1				3		1				1	1	1				1	9	other precision machine products	
080203	furniture/fittings retail			1	1		2	1				1	1			1				1	9	furniture/fittings retail	
010105	alcoholic drinks				1			1			2	1			1				1	1	8	alcoholic drinks	
010402	plywood				2		1	1	1		1							1		1	8	plywood	
011602	city gas service			1	2	1					1		1							1	7	city gas service	
100109	other movie/play service				1				1			1	1					1		1	6	other movie/play service	
160101	public office									1		1					1	2		1	6	public office	
040102	water transportation service			1						1		1		1						1	5	water transportation service	
010702	bookbinding						1												1		3	bookbinding	
010709	other printing and bookbinding								1				1							1	3	other printing and bookbinding	
100101	movie production and delivery service						1											1		1	3	movie production and delivery service	
140309	other amusement service			1	3	4	1	3	3	2	1	2	4	4	1	1		2	2	5		39	other amusement service
010103	agricultural food products			2	2	3	1	1	1				1	2		1	3	3	2	1	1	24	agricultural food products
011409	other electrical equipment			3	2		2	3	3			1	2	1	1			1	2		3	24	other electrical equipment
030105	bridge construction work			4			2	3	3	1			1	3	1	2		1	2			23	bridge construction work
140209	other restaurants			2	2	1		1	1	1	1	4			1		1	2	3	2		22	other restaurants
011603	city water service			1			2		1	2	2			1	1	1	1	2	3		2	21	city water service
010409	other lumber and wood products			1					1	1	1	2			3	2	1	1		1	4	18	other lumber and wood products
010801	non organic or organic chemical products				1		1	1	3	2		1	1	1		1	1			1	2	16	non organic or organic chemical products
030102	tunnel construction work			2			2	1	1	1			2		1			2	2	1	1	16	tunnel construction work
011009	other steel products			1	1		1	1	1			2	2	1	1		1	1		1		14	other steel products
010209	other textile products			2			1	2		1		1			2		2	1		1		13	other textile products

090103	insurance business							1						1					1	1	1		5	insurance business
130102	general clinic			1		1								1					1	1			5	general clinic
170101	dispatch service					1							1						1	1			5	dispatch service
170202	information processing service											1	1			1				1	1		5	information processing service
010204	dyeing												2			1					1		4	dyeing
010301	over/under wear			1								1	1							1			4	over/under wear
010905	other ceramic products												1	1	1		1						4	other ceramic products
011202	screw products					1		1					1		1								4	screw products
011401	heavy electrical equipment							1		1			1								1		4	heavy electrical equipment
011601	electric utility service					1		1						1	1								4	electric utility service
030101	hydroelectric plant construction work							1							1	1	1						4	hydroelectric plant construction work
030108	sand collapse prevention civil engineering work												1			1					1		4	sand collapse prevention civil engineering work
060209	other forestry					1								1				1		1			4	other forestry
090101	banking/trust business			1		1							1			1							4	banking/trust business
120102	software service			1						1							1			1			4	software service
150105	livestock process service											1	1			2							4	livestock process service
010808	painting products					1							1		1								3	painting products
030103	subway construction work			1									1										3	subway construction work
030111	port/seaside construction work																						3	port/seaside construction work
040303	cargo/ light automobile transportation service														1						1		3	cargo/ light automobile transportation service
080302	beauty salon																			2		1	3	beauty salon
090109	other financial business			1									1							1			3	other financial business

010501	wood furniture					2																2	wood furniture	
010809	chemical fertilizer products																				1		2	chemical fertilizer products
010903	pottery products					1																	2	pottery products
010904	fire resisting products																						2	fire resisting products
011109	other nonferrous metal products																						2	other nonferrous metal products
011609	other electric/gas/water service																						2	other electric/gas/water service
020209	other quarrying			1																			2	other quarrying
020309	other mining			1																			2	other mining
040103	airline service					2																	2	airline service
040409	other transportation service																						2	other transportation service
050209	other harbor transportation service																						2	other harbor transportation service
090201	traveling service			1		1																	2	traveling service
010202	cotton-spinning																						1	cotton-spinning
010807	leather products			1																			1	leather products
011302	measuring instruments																						1	measuring instruments
011303	optical instruments																						1	optical instruments
011704	tobacco products																						1	tobacco products
040209	other passenger transport service																						1	other passenger transport service
090102	stock/commodity trade business																						1	stock/commodity trade business
120101	auto mobile practical training																						1	auto mobile practical training
130309	other health and hygiene service																						1	other health and hygiene service

150104	cremation service						1																	1	cremation service	
010201	silk-reeling																								silk-reeling	
010502	metal furniture																								metal furniture	
010802	chemical fiber																								chemical fiber	
011201	western tableware/cutting tool products																								western tableware/cutting tool products	
011304	watch products																								watch products	
020101	general coal mining																								general coal mining	
020109	other coal mining																								other coal mining	
020301	metal mining																								metal mining	
020302	petroleum mining																								petroleum mining	
060201	lumbering																								lumbering	
080301	haircut																								haircut	
100102	movie theatre																								movie theatre	
	total			578		493		476	505	494	449	457	395	387	433	429	420	413	456	420	494	502	484	466	8,751	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