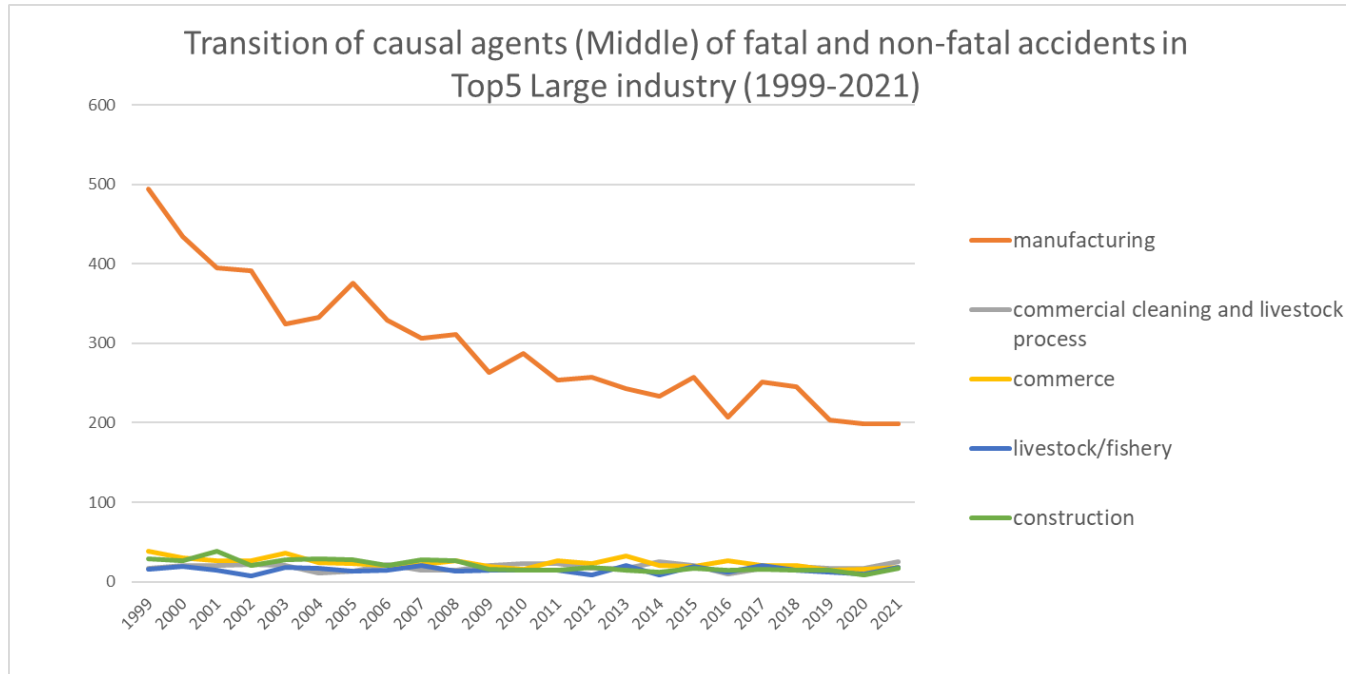
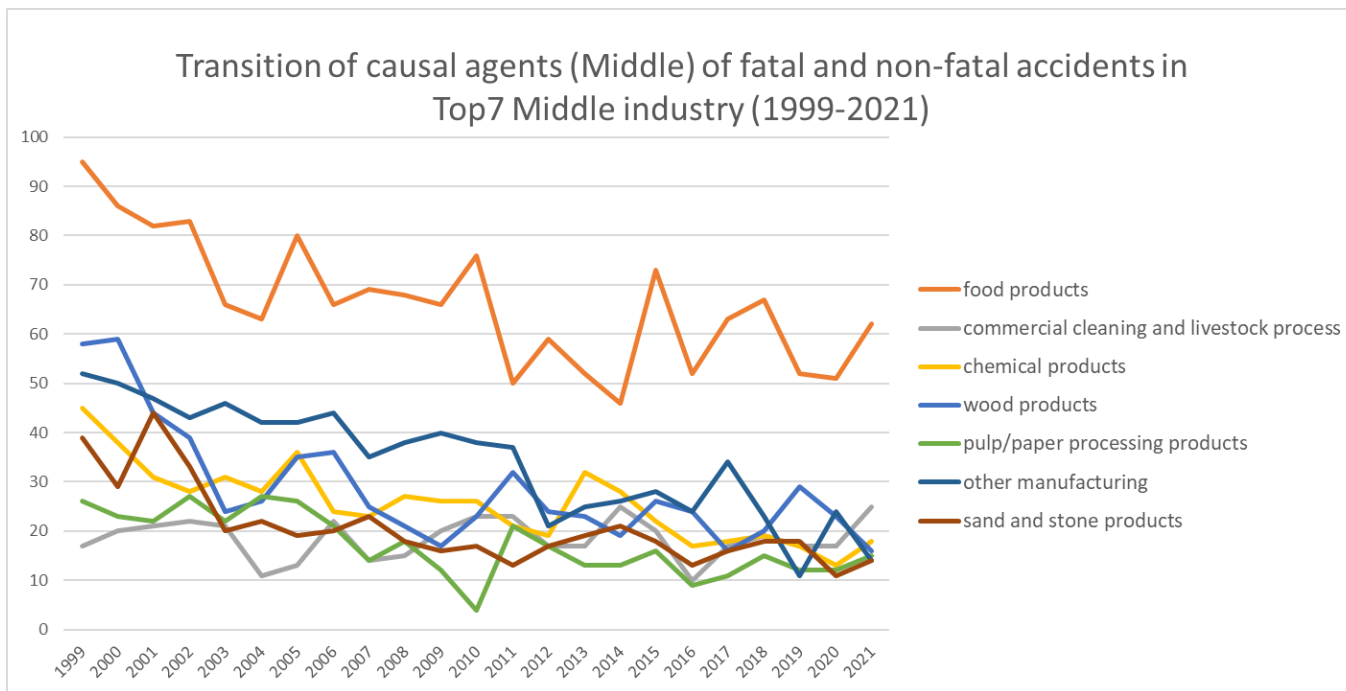


Transition of causal agents (Middle) of fatal and non-fatal accidents as code no. 12 power transmission mechanism (1999-2021)

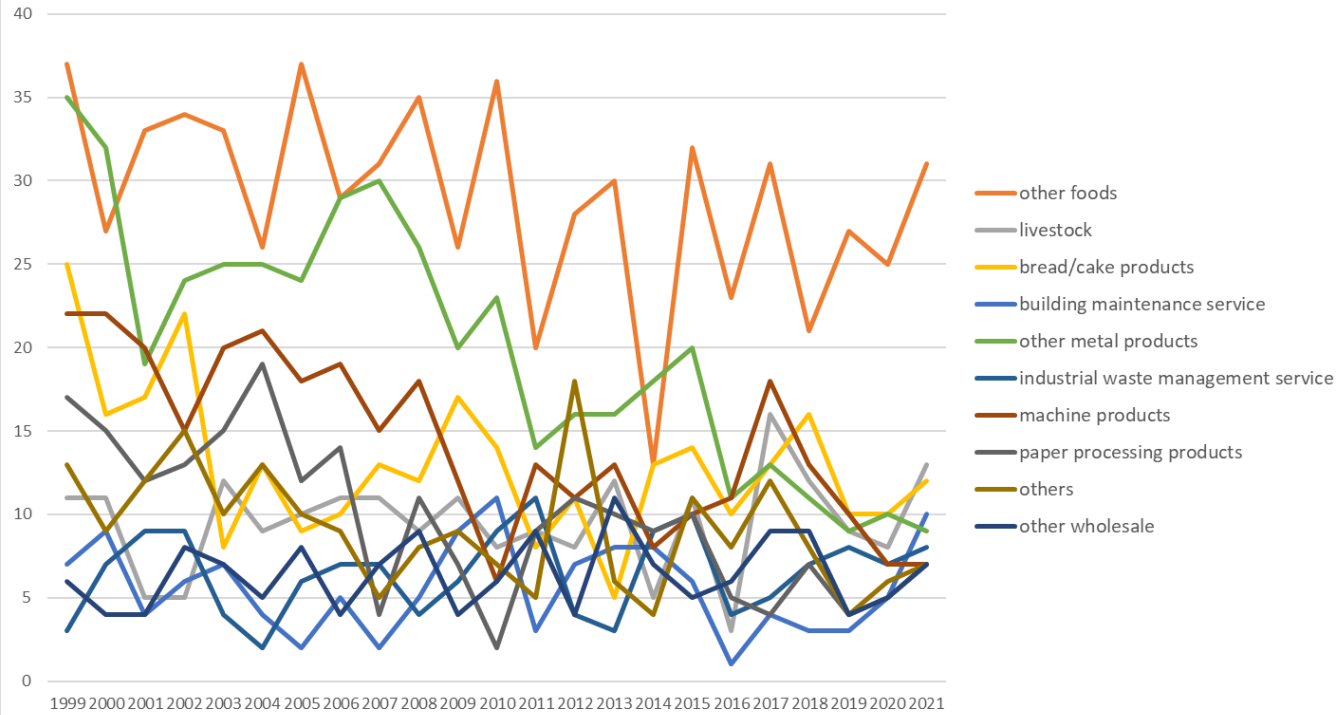


Transition of causal agents (Middle) of fatal and non-fatal accidents as code no. 12 power transmission mechanism in Large industry (1999-2021)



Transition of causal agents (Middle) of fatal and non-fatal accidents as code no. 12 power transmission mechanism in Middle Industry (1999-2021)

Transition of causal agents (Middle) of fatal and non-fatal accidents in Top10 Small industry (1999-2021)



Transition of causal agents (Middle) of fatal and non-fatal accidents as code no. 12 power transmission mechanism in Small Industry (1999-2021)

Transition of causal agents (Middle) of fatal and non-fatal accidents as code no. 12 power transmission mechanism 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	494	434	395	392	324	333	376	329	306	311	263	287	254	257	243	233	257	207	252	245	204	199	199	6,794	manufacturing
15	commercial cleaning and livestock process	17	20	21	22	21	11	13	22	14	15	20	23	23	17	17	25	20	10	17	19	17	17	25	426	commercial cleaning and livestock process
08	commerce	38	30	26	26	36	24	23	20	22	27	19	16	27	23	32	20	19	27	20	20	15	16	18	544	commerce
07	livestock/fishery	16	19	15	7	18	17	13	15	20	13	14	15	14	9	21	8	19	12	20	14	12	10	18	339	livestock/fishery
03	construction	29	27	38	20	28	29	28	20	28	26	16	15	15	18	15	12	17	14	16	15	14	9	17	466	construction
04	transportation service	12	9	16	12	10	6	12	10	10	9	11	11	14	6	13	9	16	8	4	10	12	4	9	233	transportation service
17	others	14	11	14	15	10	15	10	10	5	9	9	8	6	18	6	4	11	8	13	8	4	6	7	221	others

06	agriculture	6	5	6	4	2	7	6	3	5	5	7	4	5	7	4	10	5	9	2	4	5	12	7	130	agriculture
14	hotel/restaurant/amusement service	14	13	10	25	13	7	14	14	17	21	13	14	8	14	8	11	13	13	8	5	9	8	6	278	hotel/restaurant/amusement service
05	cargo handling service	2	5		4	4	4	1	2		3	4	4	1	1		4	1	3	4	3	1	4	55	cargo handling service	
02	mining	11	9	10	7	6	5	8	6	7	6	1	1	5	3	6	5	7	7	4	4	3	6	3	130	mining
13	health and hygiene service		4		2	1	1	1	3		1	1	1	1		1	3	1	2	1	2	3		29	health and hygiene service	
12	education/research service	2	1	1			1		2	1	2	1	2	1	1	1		1	1	2		1		21	education/research service	
11	telecommunication service							1		3									1	1		1	1		8	telecommunication service
09	financial business/advertisement							1																	2	financial business/advertisement
10	movie/play service		1															1							2	movie/play service
16	public office							1	1																2	public office
	total	655	588	552	532	473	460	511	456	440	445	379	401	377	374	367	338	392	319	363	351	301	293	313	9,680	total

Transition of causal agents (Middle) of fatal and non-fatal accidents as code no. 12 power transmission mechanism 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
0101	food products	95	86	82	83	66	63	80	66	69	68	66	76	50	59	52	46	73	52	63	67	52	51	62	1,527	food products
1501	commercial cleaning and livestock process	17	20	21	22	21	11	13	22	14	15	20	23	23	17	17	25	20	10	17	19	17	17	25	426	commercial cleaning and livestock process
0108	chemical products	45	38	31	28	31	28	36	24	23	27	26	26	21	19	32	28	22	17	18	19	17	13	18	587	chemical products
0104	wood products	58	59	44	39	24	26	35	36	25	21	17	23	32	24	23	19	26	24	16	20	29	23	16	659	wood products
0106	pulp/paper processing products	26	23	22	27	22	27	26	21	14	18	12	4	21	17	13	13	16	9	11	15	12	12	15	396	pulp/paper processing products
0117	other manufacturing	52	50	47	43	46	42	42	44	35	38	40	38	37	21	25	26	28	24	34	23	11	24	14	784	other manufacturing
0109	sand and stone products	39	29	44	33	20	22	19	20	23	18	16	17	13	17	19	21	18	13	16	18	18	11	14	478	sand and stone products

0112	metal products	39	35	23	33	32	30	32	37	36	33	25	35	18	30	24	22	25	20	16	17	13	18	13	606	metal products
0701	livestock	11	11	5	5	12	9	10	11	11	9	11	8	9	8	12	5	11	3	16	12	9	8	13	219	livestock
0802	retail	25	22	18	15	21	17	11	13	12	15	13	9	17	18	17	9	8	20	9	9	10	7	10	325	retail
0102	textile products	28	16	29	15	15	10	10	12	11	6	8	9	7	6	6	9	9	3	15	12	5	8	10	259	textile products
0113	machine products	23	30	22	19	22	24	23	23	18	19	14	8	16	17	15	11	11	13	19	16	13	11	8	395	machine products
0115	transport equipment products	16	20	11	22	18	17	26	17	15	18	9	18	11	9	5	12	9	9	12	8	9	11	8	310	transport equipment products
0303	other construction works	10	9	11	8	2	12	13	11	12	9	8	6	7	8	4	7	4	5	11	6	8	2	8	181	other construction works
0302	construction work	9	6	11	5	16	5	6	4	10	7	4	3	4	7	4	3	7	6	3	4	5	4	8	141	construction work
1702	others	14	10	14	15	10	13	10	9	5	8	9	8	6	18	6	4	11	8	12	8	4	6	7	215	others
0110	steel making	11	4	4	18	6	7	13	8	12	12	4	12	9	10	9	8	10	5	10	8	6	4	7	197	steel making
0801	wholesale	7	6	7	8	7	6	9	4	8	9	4	6	9	4	11	7	5	6	9	9	4	5	7	157	wholesale
0403	road cargo transportation service	9	6	9	8	4	4	6	8	7	4	8	7	8	5	7	7	10	7	1	3	7	3	7	145	road cargo transportation service
0601	agriculture	4	4	5	4	1	7	6	3	4	4	6	4	4	7	3	10	5	5	2	4	5	11	7	115	agriculture
1403	other amusement service	12	11	9	22	12	6	9	12	15	20	10	13	7	12	6	9	11	9	8	5	7	8	5	238	other amusement service
0114	electrical equipment products	21	7	9	4	10	13	14	9	11	10	12	5	6	10	7	4	1	8	10	5	6	5	5	192	electrical equipment products
0702	fishery	5	8	10	2	6	8	3	4	9	4	3	7	5	1	9	3	8	9	4	2	3	2	5	120	fishery
0501	land cargo handling service	2	1			3	1	2	1	2		3	4	2		1		4	1	2	2	2	1	4	38	land cargo handling service
0107	printing/bookbinding	18	11	8	12	5	7	8	3	4	10	7	7	2	7	5	2	3	2	4	4	5	4	3	141	printing/bookbinding
0202	quarrying	9	8	9	7	6	5	8	6	7	6	1	1	3	3	4	4	7	7	3	4	3	6	3	120	quarrying
0103	fiber products	8	5	6	4	1	6	5	3	3	3	1	3	4	5	2	4	1	1	4	3			2	74	fiber products
0402	road passenger transport service	2	2	5	2	4	1	4	1	3	3	3	3	2		5	1	6	1	1	5	3	1	2	60	road passenger

060101	agriculture	4	4	5	4	1	7	6	3	4	4	6	4	4	7	3	10	5	5	2	4	5	11	7	115	agriculture
010401	lumbering	33	43	25	23	15	15	22	20	18	14	8	10	17	9	13	14	14	11	7	16	18	13	6	384	lumbering
010805	plastics products	18	12	5	12	12	9	17	8	8	9	8	7	11	7	4	13	8	5	8	6	6	7	6	206	plastics products
010901	cement products	11	3	8	10	10	9	10	11	7	3	6	10	4	7	8	7	8	3	4	7	11	4	6	167	cement products
010402	plywood	7	6	5	3	4	5	7	8	4	2	4	6	3	5	6	2	5	6	3	1	3	2	6	103	plywood
011502	auto mobile products	11	11	9	13	14	12	20	12	6	15	4	11	6	4	5	10	6	5	7	7	5	7	5	205	auto mobile products
010909	other sand and stone products	8	6	20	12	5	6	2	7	8	11	6	4	4	6	2	6	5	7	9	9	4	3	5	155	other sand and stone products
010101	meat/dairy products	9	10	3	7	7	6	10	3	8	8	5	6	6	7	6	5	5	5	2	11	2	6	5	142	meat/dairy products
011703	cleaning	8	11	6	7	4	7	1	1	6	2	4	7	5		5	5	6	10	4	5	5	5	5	119	cleaning
080202	auto mobile retail	8	5	5	7	8	7	2	2	6	6	8		4	6	8	4	2	6	4	6	3	2	5	114	auto mobile retail
030302	machinery/apparatus setting work	5	4	5	3	1	5	7	5	3	5	1	4	4	5	4	3	2	4	7	3	5	2	5	92	machinery/apparatus setting work
010609	other pulp/paper processing products	2	5	5	7		3	9	4	6	1	2	1	6	5	2	3	2	3	4	2	2	3	5	82	other pulp/paper processing products
011001	steel/iron/rolling products	4	1	1	6	3		6	3	2	5	1	1	3	6	2	2	3	1	4	4	3		5	66	steel/iron/rolling products
010204	dyeing	5	5	5	4	2	2	1	1	1		3	1	1		2	2		1		2			5	43	dyeing
011709	other manufacturing	14	15	12	7	17	8	10	16	10	6	10	9	15	7	6	8	9	3	12	6	4	9	4	217	other manufacturing
010102	fishery products	15	18	12	7	11	7	10	7	9	9	9	11	6	8	9	6	15	9	12	9	7	6	4	216	fishery products
140309	other amusement service	9	4	7	16	8	4	8	9	11	17	8	8	3	10	5	6	8	8	6	3	7	7	4	176	other amusement service
010409	other lumber and wood products	18	10	14	13	5	6	6	8	3	5	5	7	12	10	4	3	7	7	6	3	8	8	4	172	other lumber and wood products
010103	agricultural food products	6	9	13	10	6	7	9	9	5		3	7	7	4		5	6	4	4	9	2	2	4	131	agricultural food products
010209	other textile products	6	4	16	9	3	1	3	6	6	3	2	6	3	4	4	5	4	1	8	7	3	6	4	114	other textile products
150103	other waste disposal service	5	2	3	3	3	3	2	3	3	2	3	3	6	4	3	6	4	2	7	9	4	2	4	86	other waste disposal service
010105	alcoholic drinks	2	4	1	2		3	4	6	1	1	2	1		1		3					3		4	38	alcoholic drinks
050101	land cargo handling service	2	1			3	1	2	1	2		3	4	2		1		4	1	2	2	2	1	4	38	land cargo handling service

030201	concrete house construction work	2		2	2		2		2	3	1	1	1		1		1	3	1	1	2	1	2	2	30	concrete house construction work	
010809	chemical fertilizer products	1	2	1	1	2		2		1	3		1	2	1	4			2			2	1	2	2	28	chemical fertilizer products
030301	electricity/telecommunication work	2	1	2	1	1	1	1		2	1		1				2				1			2	18	electricity/telecommunication work	
011201	western tableware/cutting tool products	1	2					3			2	1			2	1			1		1		1	2	17	western tableware/cutting tool products	
010509	other furniture	1	1	1					1	1					1								1	2	9	other furniture	
011002	casting products	3	2	3	9	3	6	4	5	4	6	2	8	5	3	6	4	5	4	5	4	3	2	1	97	casting products	
010806	rubber products	6	5	5	2	3	7	2	4	6	4	4	1	4	4	5	4	2	2	1	6	3		1	81	rubber products	
030309	other construction works	3	4	4	4		6	5	6	7	3	7	1	3	3		2	2	1	4	2	3		1	71	other construction works	
030199	other civil engineering work	5	6	5	1	9	4	4	2	4	5	1	1	3	1	4	1	5	1	1	3		1	1	68	other civil engineering work	
010202	cotton-spinning	11	5	6	2	4	4	4	2	4	2	2	1	2			1	2		6	2	2	2	1	65	cotton-spinning	
011204	metal plating products	2	1	2	4	2	1	4	5	4	4	3	6	1	6	4	2	1	3	1		1	5	1	63	metal plating products	
010903	pottery products	10	12	6	10	1	2	2	1	3	2	1	1			2	4	2						1	60	pottery products	
140301	golf course	2	6	2	5	3	1	1	3	2	2	2	5	4	1	1	2	1	1	1	2		1	1	49	golf course	
011305	other precision machine products	1	6		4	2	2	2	3	1	1	1	2	2	3	1	3	1	1	1	3	3	3	1	47	other precision machine products	
010902	glass products	4	3	4		2	2	1	1	2	1	3	1	3	3	4	1	2	1	1	1	1	2	1	44	glass products	
011109	other nonferrous metal products	3	4	5	2	2	2	3	1	1	1	2	1	1	2	1	1	1	2	1	3	3	1	1	44	other nonferrous metal products	
020202	gravel digging	3	3	5	2	3	3	4	1	1	2					1		1	1	2		3	2	1	38	gravel digging	
011203	metal press products	1		1	4	2	2	1	2	2		1	2		3	1	1	4	3	1	4		1	1	37	metal press products	
011009	other steel products	4	1		3		1	3		6	1	1	3	1	1	1	2	2		1			2	1	34	other steel products	
030202	wooden house construction work	6	1	3	1	3	1	2		1	2	2	1		1	1	2		3	1		1	1	1	34	wooden house construction work	
010905	other ceramic products	3	3	5	1	2	1	3		3			1	1	1	2	1		1			2	2	1	33	other ceramic products	

011102	nonferrous metals casting products	2	1	1	1		1		1	1	1	4		1	1	1	1		1				18	nonferrous metals casting products	
120109	other education/research service	2	1				1		2	1	2	1	1	1	1	1					2		1	17	other education/research service
130201	social welfare facility		1				1	1	2					1			1	2	1	2	2		15	social welfare facility	
030109	land consolidation civil engineering work			4	2		3					1				1		1	1			1	14	land consolidation civil engineering work	
010503	fittings	1	4		2	1	1	1						1						1	1		13	fittings	
011401	heavy electrical equipment	1				1		2		1	1			1			1	2	2				13	heavy electrical equipment	
030110	water supply/sewage construction work	1	4	1	2	1		1				1		2									13	water supply/sewage construction work	
140302	park and amusement park	1	1		1	1	1			2	1				1		1	2		1			13	park and amusement park	
040302	specific truck transportation service	1		2	3						1				1		1	1		1			11	specific truck transportation service	
050202	port cargo handling service						2	2							2	1				1	1	1	10	port cargo handling service	
130101	hospital		3		2	1					1			1			1					1	10	hospital	
140101	hotel			1			2	1	2					1		1	1					1	10	hotel	
011302	measuring instruments		1	1			3		1					1	1	1							9	measuring instruments	
011303	optical instruments		1				1		1	1		1			2				1			1	9	optical instruments	
010301	over/under wear	1		1	1		2						1					1	1				8	over/under wear	
020209	other quarrying		1		1			1	1	1							1	1	1				8	other quarrying	
030111	port/seaside construction work			1			2	2						1		1						1	8	port/seaside construction work	
060201	lumbering	1	1	1						1		1		1				2					8	lumbering	
110101	telecommunication service						1		3								1	1		1	1		8	telecommunication service	
030107	river civil engineering work	1					1		1						2	1		1					7	river civil engineering work	
040201	taxi service	1						1		1		1	1				1	1					7	taxi service	

040309	other land cargo transportation service		1		1					1		1		1	1	1						7	other land cargo transportation service
040409	other transportation service		1	1		2	1	1			1											7	other transportation service
060209	other forestry	1				1					1				1		2				1	7	other forestry
080101	all kinds of wholesale		2	2			1	1		1												7	all kinds of wholesale
011503	railway vehicle products					1	1		1	1											1	6	railway vehicle products
011704	tobacco products		1						1	1	2										1	6	tobacco products
170101	dispatch service		1				2		1		1										1	6	dispatch service
010201	silk-reeling	1		1			1							1		1						5	silk-reeling
170201	security service		1	2										1	1							5	security service
011601	electric utility service				1	1										1		1				4	electric utility service
020101	general coal mining	2												1		1						4	general coal mining
020309	other mining		1	1												1					1	4	other mining
040209	other passenger transport service				1			1							1							4	other passenger transport service
040303	cargo/ light automobile transportation service									1		1		1							1	4	cargo/ light automobile transportation service
050209	other harbor transportation service		2				1														1	4	other harbor transportation service
150105	livestock process service				1			1		1							1					4	livestock process service
010502	metal furniture									1						2						3	metal furniture
011609	other electric/gas/water service				1											1		1				3	other electric/gas/water service
030105	bridge construction work					1							1					1				3	bridge construction work
050201	general harbor transportation service		2				1															3	general harbor transportation service
120101	auto mobile practical training				1												1	1				3	auto mobile practical training

040103	airline service																								airline service	
080203	furniture/fittings retail																								furniture/fittings retail	
080301	haircut																								haircut	
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	
100101	movie production and delivery service																								movie production and delivery service	
130102	general clinic																								general clinic	
130109	other medical treatment service																								other medical treatment service	
	total	655	588	552	532	473	460	511	456	440	445	379	401	377	374	367	338	392	319	363	351	301	293	313	9,680	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