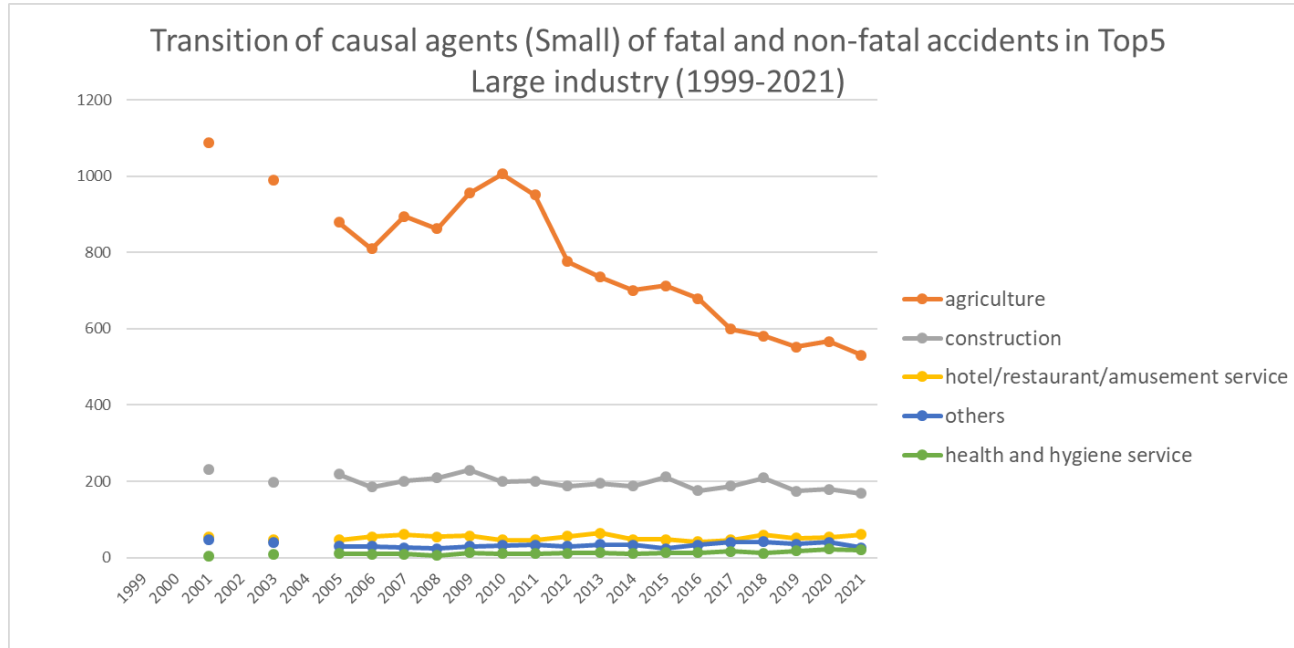
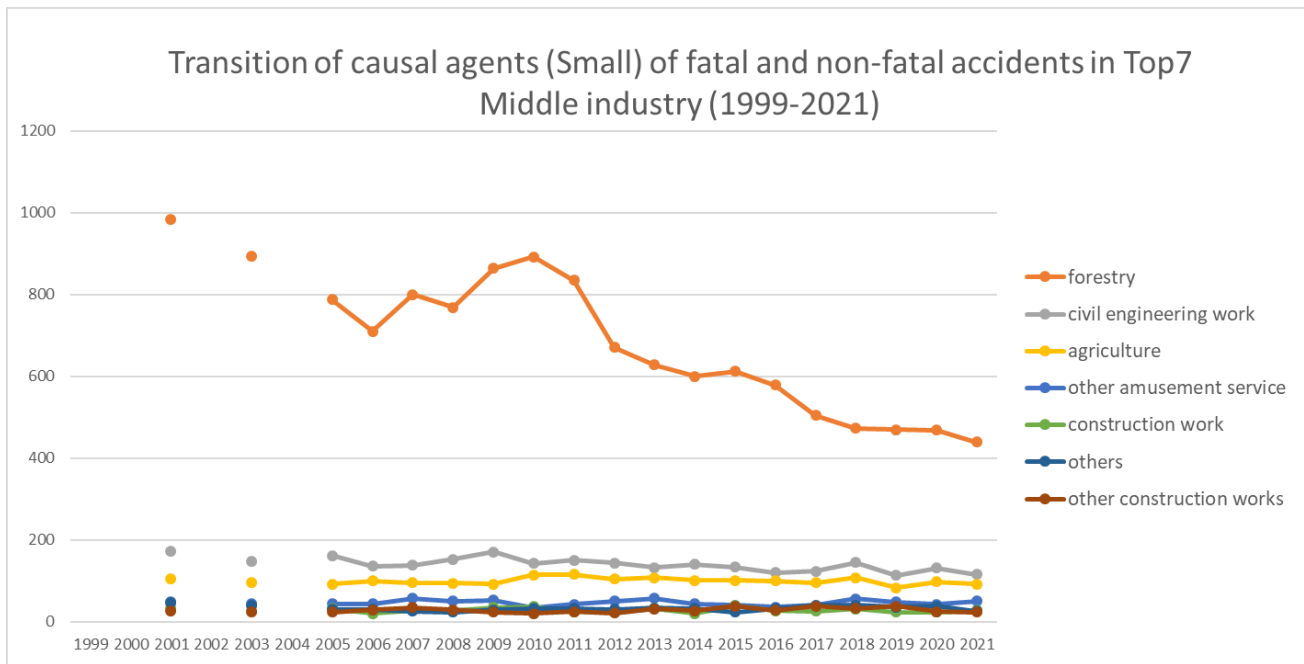


Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 712 standing tree (1999-2021)

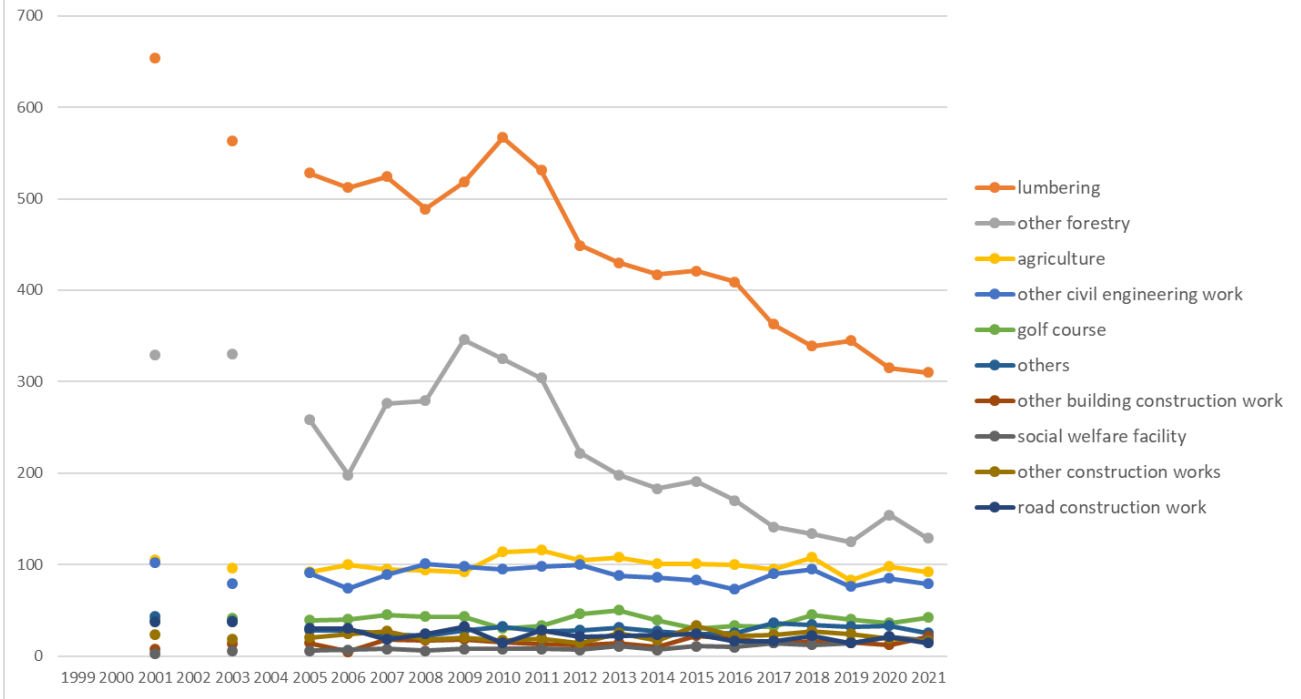


Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 712 standing tree in Large industry (1999-2021)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 712 standing tree 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. 712 standing tree in Small Industry (1999-2021)

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 712 standing tree 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
06	agriculture			1,088		989		879	810	895	862	956	1,006	951	776	736	701	713	679	599	581	553	567	531	14,872	agriculture
03	construction			230		197		218	185	201	209	229	200	201	188	195	187	211	175	188	209	174	179	168	3,744	construction
14	hotel/restaurant/amusement service			55		47		46	55	61	55	57	46	46	56	64	48	47	41	46	59	51	53	61	994	hotel/restaurant/amusement service
17	others			46		40		30	30	26	23	30	32	33	30	34	33	24	33	40	41	36	40	26	627	others
13	health and hygiene service			4		9		10	9	9	6	13	10	10	12	13	10	13	13	16	12	17	22	20	228	health and hygiene service
15	commercial cleaning and livestock process			17		24		15	13	19	14	21	15	19	19	17	13	18	18	18	15	10	28	16	329	commercial cleaning and livestock process
04	transportation service			13		13		7	6	12	7	15	11	22	9	8	5	9	2	8	5	9	10	14	185	transportation service

08	commerce			12		11		8	12	12	7	11	14	16	11	6	16	20	13	9	11	9	15	12	225	commerce
12	education/research service			6		6		8	13	16	8	9	7	7	10	5	7	9	7	10	10	6	11	12	167	education/research service
01	manufacturing			26		27		16	23	15	17	20	22	18	18	17	22	10	11	20	22	21	16	10	351	manufacturing
11	telecommunication service							3	3		3		1	1	2	4		4	5	2	3	5	3	6	45	telecommunication service
07	livestock/fishery			2				3		4	1	4	1	3	2	6	6	4	2		2	2	5	3	50	livestock/fishery
16	public office			4		3		5		3		4	3	1	5	1	2		3	6	6	4	2	1	53	public office
02	mining			2		5		1	2	3	1	2	3	2	2		1	2	1	2	2		1	1	33	mining
05	cargo handling service			1						1		1					1				1	1	1	1	8	cargo handling service
09	financial business/advertisement					2		1	1			2		1	1		1	2	2	1	1	1			16	financial business/advertisement
10	movie/play service								1					1											2	movie/play service
	total			1,506		1,373		1,250	1,163	1,277	1,213	1,374	1,371	1,332	1,141	1,106	1,053	1,086	1,005	965	980	899	953	882	21,929	total

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 712 standing tree 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
0602	forestry			983		893		787	710	800	768	864	892	835	671	628	600	612	579	504	473	470	469	439	12,977	forestry
0301	civil engineering work			172		147		162	136	138	153	171	143	151	144	132	140	134	120	124	145	113	131	116	2,672	civil engineering work
0601	agriculture			105		96		92	100	95	94	92	114	116	105	108	101	101	100	95	108	83	98	92	1,895	agriculture
1403	other amusement service			48		44		44	44	57	51	53	34	43	51	57	44	40	36	40	56	48	43	51	884	other amusement service
0302	construction work			32		27		32	20	28	27	35	37	25	23	32	20	39	27	26	31	23	23	28	535	construction work
1702	others			46		40		30	30	26	23	29	32	33	30	34	32	24	33	40	40	36	38	26	622	others
0303	other construction works			26		23		24	29	35	29	23	20	25	21	31	27	38	28	38	33	38	25	24	537	other construction works
1302	social welfare facility			3		6		6	7	8	6	8	8	8	7	11	7	11	10	14	12	14	21	17	184	social welfare facility
1501	commercial cleaning and livestock process			17		24		15	13	19	14	21	15	19	19	17	13	18	18	18	15	10	28	16	329	commercial cleaning and livestock process

1201	education/research service			6	6	8	13	16	8	9	7	7	10	5	7	9	7	10	10	6	11	12	167	education/research service
0403	road cargo transportation service			6	7	4	4	8	5	11	8	13	7	5	2	6	1	8	3	7	6	10	121	road cargo transportation service
1401	hotel			7	3	2	11	4	3	2	8	3	5	7	2	4	5	4	2	2	7	8	89	hotel
0802	retail			5	7	3	5	7	2	6	7	12	6	4	9	10	8	7	7	9	12	7	133	retail
1101	telecommunication service					3	3		3		1	1	2	4		4	5	2	3	5	3	6	45	telecommunication service
0104	wood products			9	14	10	7	8	5	9	8	4	5	5	7	4	4	5	4	9	3	4	124	wood products
0701	livestock			2		3		2	1	4	1	1	1	6	5	3	2		2	2	4	3	42	livestock
1301	medical treatment service			1	3	4	1			4	2	2	4	2	2	2	3	2		2	1	3	38	medical treatment service
0402	road passenger transport service			3	2		1	1	1	3	1	7	1	2	1	1			1	2	2	3	32	road passenger transport service
0804	other commerce			3	2	3	4	3	3	1	4	2	2	1	5	3	3	1	2		1	2	45	other commerce
0801	wholesale			4	2	2	3	2	2	3	3	2	3	1	2	7	2	1	1		2	2	44	wholesale
0113	machine products			1				1	2			2	5		2	1		1	2	1	1	2	21	machine products
1402	restaurant								1	2	4				2	3		2	1	1	3	2	21	restaurant
0101	food products			2	2	1	2	2	3	3	5	5	2	2	5	1	4	6	2	6	1	1	55	food products
1601	public office			4	3	5		3		4	3	1	5	1	2		3	6	6	4	2	1	53	public office
0117	other manufacturing			2	1	2	1	1		2	3		1	3	1		1	4	5		2	1	30	other manufacturing
0401	railroad/water transportation/airline service			4	4	3	1	2	1	1	2	2	1	1	2	1	1		1		2	1	30	railroad/water transportation/airline service
0202	quarrying			2	5	1	1	3		2	2	2	2		1	2	1	2	1		1	1	29	quarrying
0109	sand and stone products			4	4		3		1	2	2	1	2	1		1		1		1	2	1	26	sand and stone products
0501	land cargo handling service									1					1				1	1	1	1	6	land cargo handling service

0803	haircut/beauty salon											1										1			1	3	haircut/beauty salon
0103	fiber products							1																	1	2	fiber products
0116	electric/gas/water service			3		2		1		2		1		1	1	3	4	2				5		1		26	electric/gas/water service
0112	metal products			1		1		1	2	1	2		1		1			1	1	1	1		1		15	metal products	
0108	chemical products							1		1	1	1	1	1	3					2	1	1	1		14	chemical products	
0115	transport equipment products			2		3		1	1				1						1		1	1			11	transport equipment products	
0902	advertisement and mediator					1		1				1		1	1		1		1	1	1	1			10	advertisement and mediator	
0702	fishery								2				2	1		1	1						1		8	fishery	
0114	electrical equipment products			2					1		2			1			1								7	electrical equipment products	
0105	furniture							1				1	2				1						1		6	furniture	
0901	financial business					1		1				1					2	1							6	financial business	
1303	other health and hygiene service								1	1				1		1						1			6	other health and hygiene service	
1701	dispatch service											1										1		2	5	dispatch service	
0102	textile products								2															1	4	textile products	
0110	steel making								1		1												1	1	4	steel making	
0203	other mining								1		1			1									1		4	other mining	
0106	pulp/paper processing products																1						1		3	pulp/paper processing products	
0107	printing/bookbinding																							1	2	printing/bookbinding	
0404	other transportation service									1								1							2	other transportation service	
0502	harbor transportation service			1						1															2	harbor transportation service	

1001	movie/play service								1					1																												2	movie/play service		
0111	nonferrous metal making																																								1	1	nonferrous metal making		
0201	coal mining																																												coal mining
	total					1,506		1,373		1,250	1,163	1,277	1,213	1,374	1,371	1,332	1,141	1,106	1,053	1,086	1,005	965	980	899	953	882	21,929	total																	

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 712 standing tree 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
060201	lumbering			654		563		528	512	524	489	518	567	531	449	430	417	421	409	363	339	345	315	310	8,684	lumbering
060209	other forestry			329		330		259	198	276	279	346	325	304	222	198	183	191	170	141	134	125	154	129	4,293	other forestry
060101	agriculture			105		96		92	100	95	94	92	114	116	105	108	101	101	100	95	108	83	98	92	1,895	agriculture
030199	other civil engineering work			102		79		91	74	89	101	98	95	98	100	88	86	83	73	90	95	76	85	79	1,682	other civil engineering work
140301	golf course			39		41		39	40	45	43	43	30	33	46	50	39	30	33	32	45	40	36	42	746	golf course
170209	others			43		38		28	28	24	22	28	32	27	28	31	27	24	25	36	34	32	33	25	565	others
030209	other building construction work			8		13		14	5	18	17	18	15	13	12	14	10	22	19	14	16	15	12	21	276	other building construction work
130201	social welfare facility			3		6		6	7	8	6	8	8	8	7	11	7	11	10	14	12	14	21	17	184	social welfare facility
030309	other construction works			23		18		20	24	27	18	20	17	19	14	25	17	33	22	23	27	24	19	16	406	other construction works
030106	road construction work			37		37		30	30	18	24	32	14	28	21	22	23	24	16	16	22	14	21	14	443	road construction work
120109	other education/research service			6		5		8	13	16	8	9	7	7	10	4	7	8	6	10	10	6	11	12	163	other education/research service
030109	land consolidation civil engineering work			13		16		17	19	12	15	22	18	11	12	12	15	15	14	7	13	16	13	10	270	land consolidation civil engineering work
040301	general truck transportation service			5		7		4	4	8	4	8	8	10	5	5	2	5	1	8	2	5	6	9	106	general truck transportation service
150101	building maintenance service			4		14		3	3	10	4	3	6	10	9	10	9	10	11	7	6	6	14	8	147	building maintenance service
140101	hotel			7		3		2	11	4	3	2	8	3	5	7	2	4	5	4	2	2	7	8	89	hotel

030108	sand collapse prevention civil engineering work			10		8		11	6	11	5	7	1	11	6	8	7	2	6	5	5	1	3	7	120	sand collapse prevention civil engineering work
030301	electricity/telecommunication work			3		4		4	5	6	11	3	3	6	7	6	7	3	5	15	5	11	5	7	116	electricity/telecommunication work
110101	telecommunication service							3	3		3		1	1	2	4		4	5	2	3	5	3	6	45	telecommunication service
140309	other amusement service			6		2		3	2	7	4	6	1	5	2	5	1	4	2	2	2	1	4	5	64	other amusement service
030202	wooden house construction work			15		12		11	11	4	7	11	16	5	7	6	7	10	6	10	10	3	7	4	162	wooden house construction work
030107	river civil engineering work			9		7		9	4	4	4	4	8	1	3	2	6	5	8	1	8	4	5	4	96	river civil engineering work
140302	park and amusement park			3		1		2	2	5	4	4	3	5	3	2	4	6	1	6	9	7	3	4	74	park and amusement park
150102	industrial waste management service			2		1		3	1	3	1	1	2	2	3	1	3	2	2	3		1	4	4	39	industrial waste management service
150109	other cleaning and livestock process service			5		6		7	8	4	8	16	6	6	6	6	1	3	2	6	6	3	8	3	110	other cleaning and livestock process service
010401	lumbering			7		8		4	5	7	3	9	6	2	3	2	6	3	2	3	3	3		3	79	lumbering
080209	other retails			3		4			3	4	1	2	3	7	1	3	6	6	5	3	3	5	3	3	65	other retails
070101	livestock			2				3		2	1	4	1	1	1	6	5	3	2		2	2	4	3	42	livestock
080205	newspaper retail			2		1		2	1	1		4	1	4	3	1	1	3	1	3	2	2	6	3	41	newspaper retail
130101	hospital			1		3		2	1			4	2	2	3	1	1	1	3	1		2		3	30	hospital
030201	steel frame/reinforced concrete house construction work			5		1		6	3	4	3	4	3	6	2	9	2	4	2	1	2	2	2	2	63	steel frame/reinforced concrete house construction work
080409	other commerce			3		2		3	4	3	3	1	4	2	2	1	5	3	3	1	2		1	2	45	other commerce
080109	other wholesale			2		1			3	1	2	3	3	2	2	1	2	7	2	1	1		2	2	37	other wholesale
140201	general restaurant										1	2	3				2	3		2	1	1	3	2	20	general restaurant
011301	machine products			1							2			2	4		1	1		1	2	1	1	2	18	machine products
040201	taxi service					1					1	3	1	3		1	1	1			1	2	1	2	18	taxi service
170201	security service			3		2		2	2	2	1	1		6	2	3	5		8	4	6	4	5	1	57	security service

160101	public office			4	3	5		3		4	3	1	5	1	2		3	6	6	4	2	1	53	public office
010409	other lumber and wood products			2	6	6	2	1	2		1	2	2	3	1	1	2	2	1	5	3	1	43	other lumber and wood products
030203	building facility construction work			4	1	1	1	2		2	3	1	2	3	1	3		1	3	3	2	1	34	building facility construction work
150103	other waste disposal service			6	3	2	1	2	1	1	1	1	1			3	3	2	3		2	1	33	other waste disposal service
040101	railroad service			3	4	2	1	2	1	1	2	1	1	1	1	1	1				2	1	25	railroad service
030302	machinery/apparatus setting work				1			2							3	2	1		1	3	1	1	15	machinery/apparatus setting work
040202	bus service			3	1		1	1				4		1							1	1	13	bus service
010901	cement products				1		1			1	1		1			1					2	1	9	cement products
020202	gravel digging						1	2		2	1		1				1					1	9	gravel digging
080201	all kinds of retail				2						1	1	1					1	1		1	1	9	all kinds of retail
010103	agricultural food products			1					1	1	1				1			1	1			1	8	agricultural food products
030101	hydroelectric plant construction work					1				1	2							1				1	6	hydroelectric plant construction work
040302	specific truck transportation service									1		1	2						1			1	6	specific truck transportation service
050101	land cargo handling service									1					1				1	1	1	1	6	land cargo handling service
011702	machine repair						1				1			1				1				1	5	machine repair
080302	beauty salon									1									1			1	3	beauty salon
030111	port/seaside construction work									1												1	2	port/seaside construction work
010309	other fiber products																					1	1	other fiber products
010109	other foods			1	2	1	1	1		2	3		2		3	1	2	2	1	3	1		26	other foods
030110	water supply/sewage construction work					3	2	2	2	4	2	1	1		1	3			2	1	1		25	water supply/sewage construction work
011601	electric utility service			2	1			1		1		1		3	3	2			5		1		20	electric utility service

011709	other manufacturing			2				1				1	2		1	2	1		1	2	5		2		20	other manufacturing
020201	quarrying			2		4		1		1				2	1		1	1		1					15	quarrying
010909	other sand and stone products			4		2			1		1	1		1	1	1				1					13	other sand and stone products
011209	other metal products			1		1		1	2	1	2		1		1					1	1		1		13	other metal products
030102	tunnel construction work			1						1	1	1					2	1		3		1	1		12	tunnel construction work
080204	fuel retail							1	1	1			1			1	1	2		1	1	2			12	fuel retail
011502	auto mobile products			2		2		1					1							1	1				8	auto mobile products
030104	railway construction work							1			1	1	1	1			1	1	1						8	railway construction work
030105	bridge construction work								1	1		2							2				2		8	bridge construction work
080101	all kinds of wholesale			2		1		2		1					1										7	all kinds of wholesale
090209	other advertisement and mediator					1		1							1			1	1	1	1				7	other advertisement and mediator
040309	other land cargo transportation service			1						1	1		1				1					1			6	other land cargo transportation service
070209	other fishery								1				2	1		1							1		6	other fishery
010102	fishery products							1		1			2									1			5	fishery products
010105	alcoholic drinks								1	1					2							1			5	alcoholic drinks
011409	other electrical equipment			1				1		2						1									5	other electrical equipment
011603	city water service			1				1		1					1		1								5	city water service
020209	other quarrying					1							1				1		1	1					5	other quarrying
080203	furniture/fittings retail							1		1			1		1										5	furniture/fittings retail
170101	dispatch service										1					1					1		2		5	dispatch service
010104	bread/cake products											1							3						4	bread/cake products
010106	soft drinks												1				2				1				4	soft drinks
010805	plastics products									1	1				1								1		4	plastics products
011703	cleaning					1			1			1								1					4	cleaning
040103	airline service			1				1					1			1									4	airline service

120101	auto mobile practical training					1								1	1	1						4	auto mobile practical training	
130102	general clinic						1							1	1			1					4	general clinic
130109	other medical treatment service						1							1		1					1		4	other medical treatment service
130301	bathhouse							1		1					1						1		4	bathhouse
010101	meat/dairy products											2			1								3	meat/dairy products
010501	wood furniture							1			1											1	3	wood furniture
010602	paper processing products											1			1						1		3	paper processing products
011009	other steel products							1		1											1		3	other steel products
011305	other precision machine products								1					1		1							3	other precision machine products
011509	other transport equipment products					1			1								1						3	other transport equipment products
020309	other mining							1		1											1		3	other mining
040303	cargo/ light automobile transportation service									1		1									1		3	cargo/ light automobile transportation service
090103	insurance business									1						2							3	insurance business
090109	other financial business					1			1								1						3	other financial business
090201	traveling service									1		1				1							3	traveling service
010209	other textile products							1			1												2	other textile products
010402	plywood										1										1		2	plywood
010701	printing service											1										1	2	printing service
010803	pharmaceuticals							1				1											2	pharmaceuticals
010899	other chemical products										1			1									2	other chemical products
010905	other ceramic products							1			1												2	other ceramic products
011203	metal press products															1	1						2	metal press products
011402	electrical appliance			1								1											2	electrical appliance
040409	other transportation service								1							1							2	other transportation service

total		1,506	1,373	1,250	1,163	1,277	1,213	1,374	1,371	1,332	1,141	1,106	1,053	1,086	1,005	965	980	899	953	882	21,929	total
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Data source : <https://anzeninfo.mhlw.go.jp/user/anzen/tok/anst00.htm> (MHLW, Japan)

https://www.jisha.or.jp/english/statistics/202212_03.html