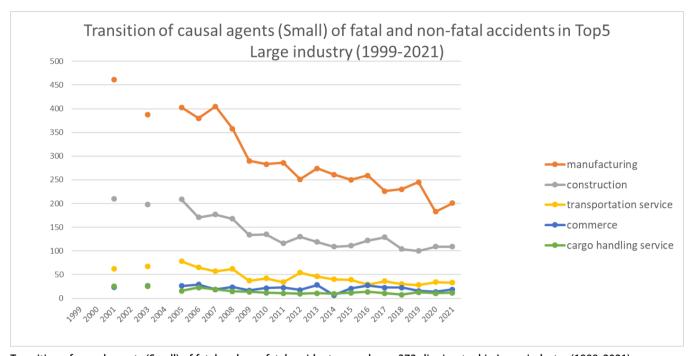
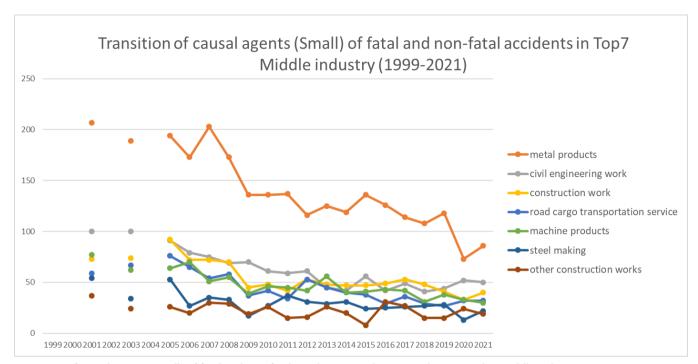
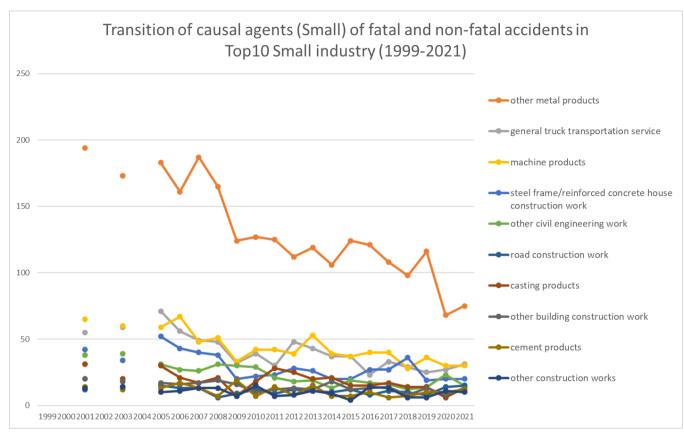
Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 372 slinging tool (1999-2021)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 372 slinging tool in Large industry (1999-2021)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 372 slinging tool in Middle Industry (1999-2021)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 372 slinging tool in Small Industry (1999-2021)

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 372 slinging tool 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			461		388		403	380	405	358	290	283	286	251	274	261	250	259	226	230	245	183	201	5,634	manufacturing
03	construction			210		198		209	171	177	168	134	135	116	130	119	109	111	122	129	104	100	109	109	2,660	construction
04	transportation service			62		67		78	65	57	62	37	42	34	54	46	40	39	29	36	30	28	34	33	873	transportation service
08	commerce			24		26		26	29	19	24	17	22	23	18	28	7	21	27	23	23	16	14	19	406	commerce
05	cargo handling service			25		25		16	23	19	15	14	12	11	10	11	10	12	14	11	8	13	11	12	272	cargo handling service
15	commercial cleaning and			Q		9		2	12	10	5	4	2	4	1	7	4	2	a	7	5	7	4	Ω	113	commercial cleaning and
	livestock process								12	10			5		_										113	livestock process
17	others			4		10		9	6	5	5	6	9	3	5	3	3	3	1	2	2	1	2	5	84	others

06	agriculture		9	11	7	11	4	7	8	5	2	6	5	9	5	4	3	4	3	5	4	112	agriculture
07	livestock/fishery		6	3	3	5	4		2	3	1	4	2	2	3		3	2	1	4	1	49	livestock/fishery
02	mining		5	4	4	2	4	3	4		1	1	1	1	1	2	2	5	2	2	1	45	mining
14	hotel/restaurant/amusement service		1	2		1			1	1		1	1	2	1	1	1	2	1		1	17	hotel/restaurant/amusement service
13	health and hygiene service								1			2						1	1	1		6	health and hygiene service
09	financial business/advertisement					1					1											2	financial business/advertisement
12	education/research service									1								1				2	education/research service
16	public office																1					1	public office
10	movie/play service																						movie/play service
11	telecommunication service																						telecommunication service
	total		815	743	758	706	704	647	518	516	482	483	497	448	449	468	444	417	418	369	394	10,276	total

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 372 slinging tool 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
0112	metal products			207		189		194	173	203	173	136	136	137	116	125	119	136	126	114	108	118	73	86	2,669	metal products
0301	civil engineering work			100		100		91	79	75	69	70	61	59	61	45	42	56	42	49	41	44	52	50	1,186	civil engineering work
0302	construction work			73		74		92	72	72	70	45	48	42	53	48	47	47	49	53	48	41	33	40	1,047	construction work
0403	road cargo transportation service			59		67		76	65	54	58	37	42	34	53	45	40	38	29	36	29	27	32	32	853	road cargo transportation service
0113	machine products			77		62		64	70	51	55	39	46	45	42	56	40	41	43	42	31	38	33	30	905	machine products
0110	steel making			54		34		53	27	35	33	17	27	37	31	29	31	24	25	26	27	28	13	22	573	steel making
0303	other construction works			37		24		26	20	30	29	19	26	15	16	26	20	8	31	27	15	15	24	19	427	other construction works
0109	sand and stone products			23		23		19	26	29	17	25	13	20	10	21	13	14	14	8	8	18	16	18	335	sand and stone

																						products
0115	transport equipment products	47	37	29	40	40	46	42	23	26	30	19	26	13	21	16	29	23	29	13	549	transport equipmer
0108	chemical products	9	8	7	9	6	4	6	9	4	4	2	6	5	8	6	6	7	3	11	120	chemical products
0117	other manufacturing	16	15	12	13	14	16	11	12	5	5	6	6	6	5	4	8	8	7	10	179	other manufacturin
0801	wholesale	11	16	12	13	9	8	4	7	12	7	13	1	10	13	11	9	5	8	10	179	wholesale
0502	harbor transportation service	19	18	11	15	14	12	13	8	9	5	10	8	9	9	9	7	7	7	8	198	harbor transportat
1501	commercial cleaning and livestock process	8	9	3	12	10	5	4	3	4	1	7	4	3	9	7	5	7	4	8	113	commercial cleanir
0804	other commerce	6	5	5	10	6	6	9	9	5	8	3	2	4	7	6	9	3	5	5	113	other commerce
1702	others	4	10	9	6	4	5	5	9	3	5	3	3	3	1	2	2	1	2	5	82	others
0101	food products	4	2	5	7	4	1	2	2	2	3	2	3	2	5	3	2		1	5	55	food products
0802	retail	7	5	9	6	4	10	4	6	6	3	12	4	7	7	6	5	8	1	4	114	retail
0501	land cargo handling service	6	7	5	8	5	3	1	4	2	5	1	2	3	5	2	1	6	4	4	74	land cargo handlir
0111	nonferrous metal making	7	5	8	5	6	3	3	5	7	4	4	5	2	3	1	3	1	2	3	77	nonferrous metal
0114	electrical equipment products	9	5	4	3	7	1	3	2	1	4	4	6	2	4	3	2	2	3	3	68	electrical equipme
0601	agriculture	5		1	3	1	2	2	3		2	2	6	1	2		2	2		3	37	agriculture
0602	forestry	4	11	6	8	3	5	6	2	2	4	3	3	4	2	3	2	1	5	1	75	forestry
0202	quarrying	5	3	4	2	4	3	4		1	1	1	1	1	2	2	4	2	2	1	43	quarrying
0401	railroad/water transportation/airline service	2		1		2	2				1						1	1		1	11	railroad/water transportation/airl
1403	other amusement service		1					1				1	2	1		1		1		1	9	other amusement service

0701	li	\dashv	_	Ť					1	i	\Box	_	i —	i —			1		i —	i	1	1	
	livestock											<u> </u>									<u> </u>	4	livestock
0104	wood products	2	5		6	4	7	1	3	4	2	1	3	4	4	1	1	5	<u> </u>			53	wood products
0702	fishery	6	3		3	5	4		1	3	1	3	2	2	3		2	2	1	4		45	fishery
0106	pulp/paper processing products	1				2	1	5	1	1			1		1	4				1		18	pulp/paper processing products
0102	textile products	1	1		1	1		1	2	2		1		1			2		1	1		15	textile products
0404	other transportation service	1			1		1	1					1		1					1		7	other transportation service
1402	restaurant		1			1				1						1		2				6	restaurant
0103	fiber products	2											1						1	1		5	fiber products
0107	printing/bookbinding	1			1		1			1								1				5	printing/bookbinding
0105	furniture	1	1										1	1								4	furniture
0116	electric/gas/water service		1				1	2														4	electric/gas/water service
1302	social welfare facility								1			1						1		1		4	social welfare facility
0203	other mining		1															1				2	other mining
0402	road passenger transport service							1												1		2	road passenger transport service
1201	education/research service									1								1				2	education/research service
1301	medical treatment service											1							1			2	medical treatment
1401	hotel	1										1										2	hotel
1701	dispatch service						1		1													2	dispatch service
0901	financial business										1											1	financial business
0902	advertisement and mediator					1																1	advertisement and mediator

1601	public office																1					1	public office
0201	coal mining																						coal mining
0803	haircut/beauty salon																						haircut/beauty salon
1001	movie/play service																						movie/play service
1101	telecommunication service																						telecommunication
	telecommunication service																						service
1202	other health and hygiene service																						other health and
1303	other neatth and hygiene service																						hygiene service
	total		815	743	758	706	704	647	518	516	482	483	497	448	449	468	444	417	418	369	394	10,276	total

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 372 slinging tool 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
011209	other metal products			194		173		183	161	187	165	124	127	125	112	119	106	124	121	108	98	116	68	75	2,486	other metal products
040301	general truck transportation service			55		59		71	56	49	48	32	39	30	48	43	37	37	23	33	29	25	27	31	772	general truck transportation service
011301	machine products			65		60		59	67	48	51	33	42	42	39	53	39	37	40	40	28	36	30	30	839	machine products
030201	steel frame/reinforced concrete house construction work			42		34		52	43	40	38	20	22	23	28	26	20	20	27	27	36	19	20	20	557	steel frame/reinforced concrete house construction work
030199	other civil engineering work			38		39		31	27	26	31	30	29	21	18	19	13	19	17	16	12	14	23	15	438	other civil engineering work
030106	road construction work			12		14		15	13	13	6	9	12	9	12	11	10	12	8	11	10	8	14	15	214	road construction work
011002	casting products			31		20		30	21	17	21	7	18	28	25	20	21	15	15	17	14	14	6	13	353	casting products
030209	other building construction work			20		18		17	16	17	19	16	10	12	13	12	18	12	13	14	8	13	8	13	269	other building construction work
010901	cement products			14		12		13	17	13	7	19	7	14	8	15	7	7	10	6	7	10	10	12	208	cement products
030309	other construction works			13		14		10	11	13	13	7	15	7	8	11	9	4	14	13	6	6	11	10	195	other construction works
080109	other wholesale			9		14		12	12	8	8	4	6	12	7	13	1	10	13	11	9	5	8	10	172	other wholesale

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030302	machinery/apparatus setting work			19		6	11	7	7	14	10	10	9	4	5	9	10	4	14	11	7	9	10	8	177	machinery/apparatus setting work
010805	plastics products			3		4	3	ϵ	6	3	3	4	2	2	3	2	2	2	4	2	3	6	2	8	64	plastics products
011501	ship building			26		17	17	2	26	24	28	27	16	12	15	11	11	7	13	6	11	10	13	6	296	ship building
050202	port cargo handling service			17		15	8	1	12	11	11	11	8	7	4	8	8	8	7	7	5	4	4	6	161	port cargo handling service
011203	metal press products			6		5	2	8	8	8	4	6	2	6	3	1	6	7	4	4	7		1	6	86	metal press products
150102	industrial waste management service			5		5	1	7	7	4	3	3	2	2		5		1	7	7	4	5	2	6	69	industrial waste management service
030111	port/seaside construction work			6		4	5	1	1	2	2	2	2	2	4	4	3	2	3	4	4	3		6	59	port/seaside construction work
011502	auto mobile products			15		14	11	1	10	11	9	12	4	9	9	3	8	3	6	8	10	6	11	5	164	auto mobile products
010909	other sand and stone			7		8	6	7	7	15	10	6	2	5	2	5	6	7	4	2	1	7	5	5	110	other sand and stone products
011001	steel/iron/rolling products			13		11	4	3	3	4	5	7	3	4	1	6	5	3	5	4	7	5	2	5	97	steel/iron/rolling products
170209	others			4		8	8	ϵ	б	4	4	4	8	1	3	3	3	3	1	1	2	1	2	5	71	others
011709	other manufacturing			8		3	6	3	3	5	4	2	5	3	2	2	2	2	2	2	4	2	1	5	63	other manufacturing
011009	other steel products			10		3	19	3	3	14	7	3	6	5	5	3	5	6	5	5	6	9	5	4	123	other steel products
030107	river civil engineering work			4		7	8	8	8	9	2	8	8	10	5	6	5	4	5	2	3	6	6	4	110	river civil engineering work
080409	other commerce			6		2	5	8	8	6	4	6	9	5	7	3	1	3	6	5	7	2	4	4	93	other commerce
080209	other retails			6		4	6	ϵ	6	4	6	1	5	3	3	11	3	5	4	5	5	6	1	4	88	other retails
050101	land cargo handling service			6		7	5	8	8	5	3	1	4	2	5	1	2	3	5	2	1	6	4	4	74	land cargo handling service
030203	building facility construction work			4		4	4	4	4	4	5	3	4		1	3	2	4	5	3	1	2	2	4	59	building facility construction work
030202	wooden house construction work			7		18	19	ç	9	11	8	6	12	7	11	7	7	11	4	9	3	7	3	3	162	wooden house construction work
030110	water supply/sewage construction work			17		16	18	1	16	16	11	7	3	8	11	2	4	6	2	8	4	5	2	3	159	water supply/sewage construction work
		11	7.1		. –		- 11	11.	10		11			11		- 11		11		11	11		11			

011701	auto mobile servicing	5	5	4	3	3	4	4	3	2	1	4	2	2		2	1	4	3	3	55	auto mobile servicing
011409	other electrical equipment	4	5	1	2	5	1	2	1	1	1	2	2	1	2	1	1	1	1	3	37	other electrical equipment
060101	agriculture	5		1	3	1	2	2	3		2	2	6	1	2		2	2		3	37	agriculture
030108	sand collapse prevention civil	2	2	1		2	1	2			1	1		3			1	1	2	3	22	sand collapse prevention civil engineering work
011202	screw products	1		1		1	1	1	1		1	1	1		1			2		3	15	screw products
011509	other transport equipment products	5	5	1	3	3	7	3	2	5	6	5	7	2	2	1	8	5	3	2	75	other transport equipment products
011204	metal plating products	5	11	7	3	6	3	5	5	6		2	5	4		1	3		4	2	72	metal plating products
030105	bridge construction work	9	6	1	7	1	7	4	1	7	3	1	2	4	3	1	4	2		2	65	bridge construction work
011702	machine repair	3	6	2	7	6	8	5	4		2		2	2	3		3	2	3	2	60	machine repair
011109	other nonferrous metal	3	3	2		3		3		2	3	1	1	1			2	1	1	2	28	other nonferrous metal products
050201	general harbor transportation	2	3	2	1	2	1	2			1	2		1	2	2	2	2	1	2	28	general harbor transportatio
010102	fishery products	1	1					1	1				1		1	2			1	2	11	fishery products
010801	non organic or organic	1	2					1	2							1		1		2	10	non organic or organic chemical products
010106	soft drinks			1	1															2	4	soft drinks
060201	lumbering	4	9	5	6	3	5	6	2	2	4	1	3	3	2	2	1	1	3	1	63	lumbering
030301	electricity/telecommunication work	5	4	5	2	3	6	2	2	4	3	6	1		3	3	2		3	1	55	electricity/telecommunication
040302	specific truck transportation	1	6	2	3	1	5	2	1	2	4	2		1	3	2			3	1	39	specific truck transportation service
011102	nonferrous metals casting	4	2	6	4	2	3		2	2		2	2		2	1			1	1	34	nonferrous metals casting products
010109	other foods	1	1	3	4	3	1	1	1	1	1	1	2		1	1	1	İ		1	24	other foods

020201	quarrying		2	3	2	2	1	3	2				1	1	1	1		3	1		1	24	quarrying
080401	warehousing			3		2		2	3			1		1	1	1	1	2	1	1	1	20	warehousing
010806	rubber products		2			1		1	1	2	2			1	1	3	2	2			1	19	rubber products
030104	railway construction work		2	3	1	1	2		1	2		1				2		1		1	1	18	railway construction work
150109	other cleaning and livestock process service		2	1	2	1	2	1	1	1	1	1		2					1		1	17	other cleaning and livestock process service
150101	building maintenance service			2		2	1				1		2	1				1	1		1	12	building maintenance service
030101	hydroelectric plant construction work		2			1		1			1						2	1			1	9	hydroelectric plant construction work
010903	pottery products		1	2			1			1											1	6	pottery products
040102	water transportation service		1		1			1										1	1		1	6	water transportation service
140301	golf course			1									1		1				1		1	5	golf course
070101	livestock								1			1					1				1	4	livestock
030109	land consolidation civil engineering work		7	8	6	5	4	7	4	1	1	5	1	5	5	2	4	1	5	3		74	land consolidation civil
011305	other precision machine products		12	1	5	3	2	4	6	4	3	2	3	1	4	2	1	2	1	2		58	other precision machine products
040309	other land cargo transportation service		3	2	3	6	3	5	2	2	2	1		3		2	1		1	2		38	other land cargo transportation service
070201	fishery		6	3	1	3	3			3	1	3	2	2	3		1	1	1	3		36	fishery
010401	lumbering		1	4	4		3	1	3	2	1			3	1		1	3				27	lumbering
010409	other lumber and wood products			1	1	4	3			2	1		3	1	3	1		1				21	other lumber and wood products
011401	heavy electrical equipment		3		2	1	1			1		1	2	3	1	2	2			2		21	heavy electrical equipment
020202	gravel digging		2		2		3		2		1	1				1	2	1	1	2		18	gravel digging
011101	nonferrous metals/rolling products					1	1			3	3	1	1	2	1	1		1				15	nonferrous metals/rolling products

010899	other chemical products		2	1	2					2		1		1	2		1	1		1	14	other chemical products
011503	railway vehicle products		1	1		1	2	2		1					1		1		2	2	14	railway vehicle products
150103	other waste disposal service		1	1		2	3	1						1	1	2				2	14	other waste disposal service
030102	tunnel construction work			1	3			1	3	1		1			1		1			1	13	tunnel construction work
060209	other forestry			2	1	2							2		1		1	1		2	12	other forestry
080202	auto mobile retail		1		1			2	2	1	2		1	1					1		12	auto mobile retail
170201	security service			2	1			1	1	1	2	2					1				11	security service
011201	western tableware/cutting tool products		1		1	1	1			1			2	1	1		1				10	western tableware/cutting tool products
010103	agricultural food products		2		1	1					1	1			1	1		1			9	agricultural food products
010601	pulp/paper						1	3	1	1						2				1	9	pulp/paper
050209	other harbor transportation service				1	2	1				2								1	2	9	other harbor transportation service
070209	other fishery				2	2	1		1								1	1		1	9	other fishery
011402	electrical appliance		2		1							1		1				1	1		7	electrical appliance
040409	other transportation service		1		1		1	1					1		1					1	7	other transportation service
010101	meat/dairy products					1	1					1	1		1	1					6	meat/dairy products
010209	other textile products		1	1						1		1					1			1	6	other textile products
011302	measuring instruments			1			1					1				1	1	1			6	measuring instruments
080201	all kinds of retail			1	1			2								1			1		6	all kinds of retail
140201	general restaurant			1		1				1						1		2			6	general restaurant
010203	weaving				1				2					1			1				5	weaving
010309	other fiber products		2										1						1	1	5	other fiber products
010402	plywood		1		1		1					1						1			5	plywood
010609	other pulp/paper processing products		1					1					1			2					5	other pulp/paper processing products
030103	subway construction work		1		2					2											5	subway construction work

080204	fuel retail								1		1				2	1					5	fuel retail
010204	dyeing					1		1		1									1		4	dyeing
010602	paper processing products					2		1							1						4	paper processing products
010809	chemical fertilizer products		1	1	1		1														4	chemical fertilizer products
010902	glass products					1				1			1							1	4	glass products
010904	fire resisting products			1						1	1								1		4	fire resisting products
040101	railroad service		1				2					1									4	railroad service
040303	cargo/ light automobile transportation service						1		1							1			1		4	cargo/ light automobile transportation service
080101	all kinds of wholesale		2	1						1											4	all kinds of wholesale
130201	social welfare facility								1			1						1		1	4	social welfare facility
140309	other amusement service								1					2			1				4	other amusement service
010509	other furniture			1									1	1							3	other furniture
010702	bookbinding						1			1								1			3	bookbinding
010804	petroleum/coal products									1				1		1					3	petroleum/coal products
010808	painting products				1		2														3	painting products
010905	other ceramic products		1			1				1											3	other ceramic products
011403	electronics equipment and telecommunications apparatus						1		1			1									3	electronics equipment and telecommunications apparatus
080102	furniture/fittings wholesale			1		1	1														3	furniture/fittings wholesale
080205	newspaper retail				1											1	1				3	newspaper retail
010802	chemical fiber					2															2	chemical fiber
011303	optical instruments																		1	1	2	optical instruments
011601	electric utility service			1				1													2	electric utility service
020309	other mining			1														1			2	other mining
040202	bus service							1												1	2	bus service

120109	other education/research service									1							1			2	other education/research
140101	hotel		1									1								2	hotel
170101	dispatch service						1		1											2	dispatch service
010104	bread/cake products														1					1	bread/cake products
010502	metal furniture		1																	1	metal furniture
010701	printing service		1																	1	printing service
010709	other printing and bookbinding				1															1	other printing and bookbinding
010807	leather products												1							1	leather products
011602	city gas service							1												1	city gas service
011603	city water service						1													1	city water service
011703	cleaning			1																1	cleaning
020209	other quarrying		1																	1	other quarrying
040103	airline service							1												1	airline service
090103	insurance business										1									1	insurance business
090201	traveling service					1														1	traveling service
130101	hospital											1								1	hospital
130109	other medical treatment service																	1		1	other medical treatment service
150105	livestock process service													1						1	livestock process service
160101	public office															1				1	public office
010105	alcoholic drinks																				alcoholic drinks
010201	silk-reeling																				silk-reeling
010202	cotton-spinning																				cotton-spinning
010301	over/under wear																				over/under wear

010503 fittings	rts /gas/water ucts nining
011304 watch products	rts /gas/water ucts nining
other electric/gas/water service	/gas/water ucts nining
011609 service	ucts nining ning
service servic	nining
020101 general coal mining general coal m 020109 other coal mining other coal min 020301 metal mining metal mining	nining
020109 other coal mining other coal mining other coal mining metal mining	ning
020301 metal mining metal mining	
020302 petroleum mining petroleum mir	ning
040201 taxi service taxi service	
other passenger transport other passenger transport other passeng	jer transport
service service	
080203 furniture/fittings retail furniture/fitting	ıgs retail
080301 haircut haircut	
080302 beauty salon beauty salon beauty salon	
090101 banking/trust business banking/trust	business
stock/commodity trade	dity trade
business business	
090109 other financial business other financial	l business
other advertisement and 090209 other advertisement and	ement and
mediator mediator	
movie production and 100101 movie product	
delivery service delivery servic	
100102 movie theatre movie theatre	:
100109 other movie/play service other movie/p	ılay service

110101	telecommunication service																						telecommunication service
120101	auto mobile practical training																						auto mobile practical training
120102	software service																						software service
130102	general clinic																						general clinic
130301	bathhouse																						bathhouse
130309	other health and hygiene																						other health and hygiene
	service																						service
140209	other restaurants																						other restaurants
140302	park and amusement park																						park and amusement park
150104	cremation service																						cremation service
170202	information processing																						information processing
	service																						service
	total		815	743	758	706	704	647	518	516	482	483	497	448	449	468	444	417	418	369	394	10,276	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