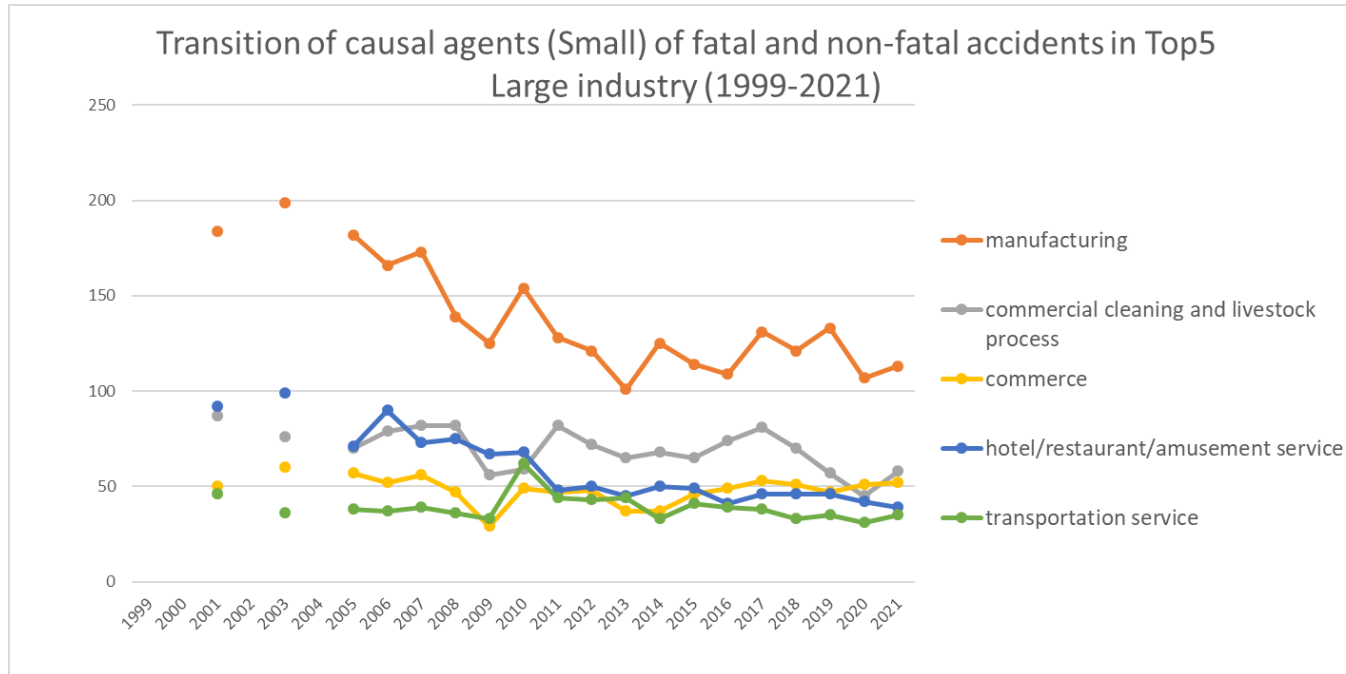
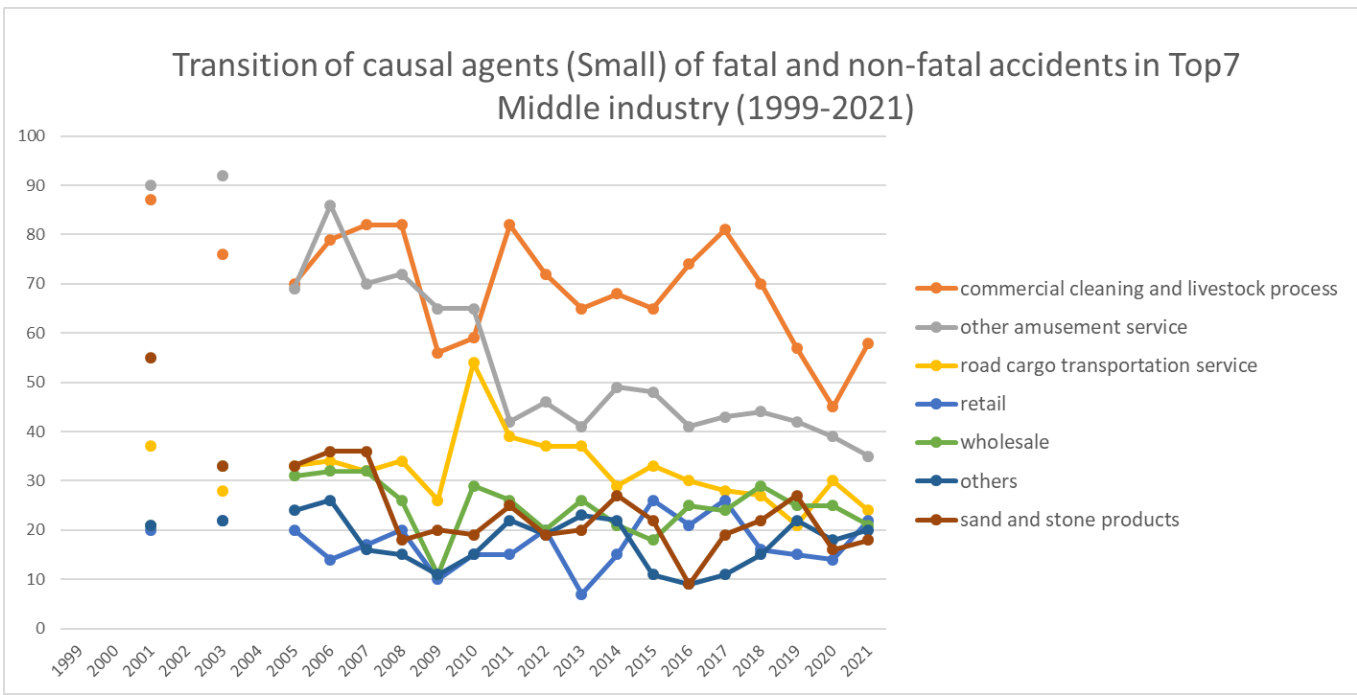


Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 229 other powered conveying machines (1999-2021)

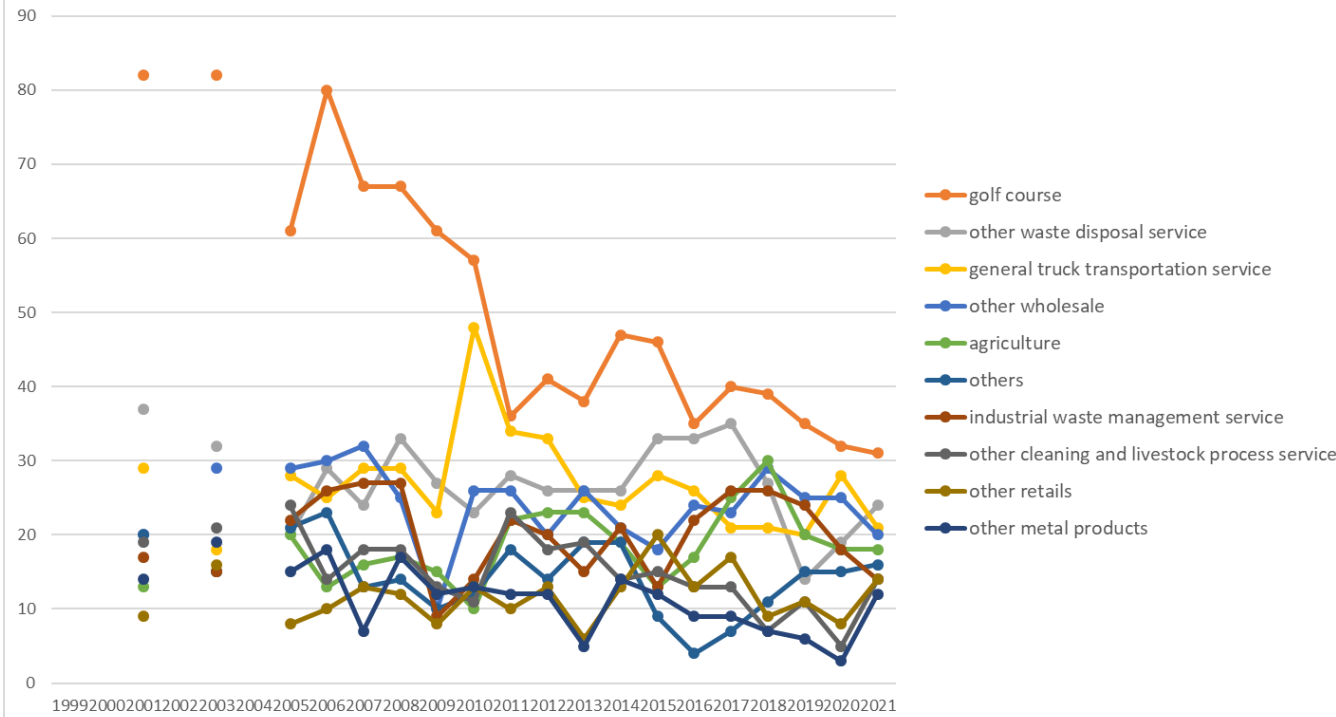


Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 229 other powered conveying machines in Large industry (1999-2021)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 229 other powered conveying machines 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. 229 other powered conveying machines in Small Industry (1999-2021)

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 229 other powered conveying machines 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			184		199		182	166	173	139	125	154	128	121	101	125	114	109	131	121	133	107	113	2,625	manufacturing
15	commercial cleaning and livestock process			87		76		70	79	82	82	56	59	82	72	65	68	65	74	81	70	57	45	58	1,328	commercial cleaning and livestock process
08	commerce			50		60		57	52	56	47	29	49	47	48	37	37	46	49	53	51	47	51	52	918	commerce
14	hotel/restaurant/amusement service			92		99		71	90	73	75	67	68	48	50	45	50	49	41	46	46	46	42	39	1,137	hotel/restaurant/amusement service
04	transportation service			46		36		38	37	39	36	33	62	44	43	44	33	41	39	38	33	35	31	35	743	transportation service
03	construction			88		66		61	48	56	39	37	37	41	46	54	42	33	32	32	45	26	26	25	834	construction

17	others			21	24	25	27	17	15	11	15	23	19	23	23	12	10	11	15	22	18	21	352	others
06	agriculture			46	47	53	55	52	55	49	41	61	65	58	61	23	26	30	41	25	20	19	827	agriculture
05	cargo handling service			22	15	21	29	16	28	14	16	21	13	15	19	10	8	13	19	15	13	12	319	cargo handling service
07	livestock/fishery			10	14	25	20	10	13	7	10	15	8	6	12	7	5	15	10	7	6	7	207	livestock/fishery
13	health and hygiene service			8	7	11	13	8	8	7	10	5	9	12	3	5	10	10	6	10	14	7	163	health and hygiene service
11	telecommunication service				1	5	1	1	3	2	1	2	3	2	1	2	2	3	1	1	1	3	35	telecommunication service
12	education/research service			3		1	3	1	3	1	3	2	1	2	2			1	1	4	1	3	32	education/research service
09	financial business/advertisement			2		2	2			3					1							1	11	financial business/advertisement
02	mining			3	2	1	1	3		2	2	2		1	1	1	3		1	2			25	mining
10	movie/play service			2	1					1							1						5	movie/play service
16	public office			1																	1		2	public office
	total			665	647	623	623	587	543	444	527	521	498	465	478	408	409	464	460	430	376	395	9,563	total

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 229 other powered conveying machines 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
1501	commercial cleaning and livestock process			87		76		70	79	82	82	56	59	82	72	65	68	65	74	81	70	57	45	58	1,328	commercial cleaning and livestock process
1403	other amusement service			90		92		69	86	70	72	65	65	42	46	41	49	48	41	43	44	42	39	35	1,079	other amusement service
0403	road cargo transportation service			37		28		33	34	32	34	26	54	39	37	37	29	33	30	28	27	21	30	24	613	road cargo transportation service
0802	retail			20		22		20	14	17	20	10	15	15	20	7	15	26	21	26	16	15	14	22	335	retail
0801	wholesale			21		33		31	32	32	26	11	29	26	20	26	21	18	25	24	29	25	25	21	475	wholesale
1702	others			21		22		24	26	16	15	11	15	22	19	23	22	11	9	11	15	22	18	20	342	others
0109	sand and stone products			55		33		33	36	36	18	20	19	25	19	20	27	22	9	19	22	27	16	18	474	sand and stone







011502	auto mobile products			15		20		27	20	16	14	12	13	12	6	7	4	10	17	17	12	9	12	11	254	auto mobile products
010901	cement products			27		16		17	19	24	9	14	12	15	15	14	15	11	5	13	11	15	12	10	274	cement products
050101	land cargo handling service			14		13		17	22	11	24	11	13	16	11	14	15	10	7	10	17	14	10	9	258	land cargo handling service
010109	other foods			6		16		14	15	13	6	9	17	9	13	10	14	10	5	8	11	14	11	9	210	other foods
070101	livestock			7		8		10	12	8	11	4	5	9	6	5	8	4	5	10	8	6	5	7	138	livestock
011701	auto mobile servicing			7		4		1	2	5	3	3	7	3	3	5	3	3	3	3	1	1	1	6	64	auto mobile servicing
040103	airline service			3		2		2	1	1		3	2	3			1	2	1	1	4	7		6	39	airline service
030199	other civil engineering work			21		15		12	14	7	7	6	9	10	8	11	13	6	7	4	12	5	5	5	177	other civil engineering work
150101	building maintenance service			14		8		3	10	12	3	6	9	9	8	5	6	3	5	7	9	7	3	5	132	building maintenance service
011301	machine products			5		11		9	6	7	4		8	7	7	3	5	7	6	5	8	6	1	5	110	machine products
080409	other commerce			4		3		5	2	4		6		2	3	1	1	1	1	2		3	6	5	49	other commerce
010909	other sand and stone products			15		13		10	9	6	6	2	5	6	3	5	8	5	3	4	2	5	3	4	114	other sand and stone products
130201	social welfare facility			5		3		6	9	4	5	3	4	3	6	10	3	3	6	6	2	7	8	4	97	social welfare facility
170201	security service			1		6		3	3	3	1	1	3	4	5	4	3	2	5	4	4	7	3	4	66	security service
010805	plastics products			3		2		2	1	3	6	3	4	2		2	3	1	5	7	5	3	6	4	62	plastics products
080401	warehousing			5		2		1	4	3	1	2	5	4	5	3		1	2	1	6	4	6	4	59	warehousing
011001	steel/iron/rolling products			1		2		1	8	3	4	2	3		5	4	2	3	2	4	3		1	4	52	steel/iron/rolling products
030201	steel frame/reinforced concrete house construction work			6		4		6	5	8	6	4	4	6	4	4	2	5	1	5	5	2	2	3	82	steel frame/reinforced concrete house construction work
030202	wooden house construction work			8		6		6	3	4	4	2	3		1	1	2	1	3	1	1		2	3	51	wooden house construction work
080201	all kinds of retail			4		3		9	2	2	4	1	2	4	2		1	5	1	2	2	1	3	3	51	all kinds of retail
050202	port cargo handling service			3		2		3	7	5	4	3	2	4	2	1	2		1	2	1	1	2	3	48	port cargo handling service
110101	telecommunication service					1		5	1	1	3	2	1	2	3	2	1	2	2	3	1	1	1	3	35	telecommunication service
010806	rubber products			1		4		4	1	4	1	1	3	1		1		1	1		1	4	3	3	34	rubber products



080204	fuel retail			3		1		3	1	1	1			1	4		1	1	3	4	2	1	2	3	32	fuel retail	
120109	other education/research service			3				1	2	1	3			3	2	1	2	2			1	1	4	1	3	30	other education/research service
140302	park and amusement park			2		2		2	3	1	2	2	2	1		1			2		1		3	3	27	park and amusement park	
011203	metal press products			3		1		2		1	2			1		1	1	1	3	1	1	2		3	24	metal press products	
030203	building facility construction work			2		1		1	2	1				2		1	2	1	1	1		1		1	3	20	building facility construction work
040202	bus service			1		2				1			1	1		1	2	2	3	1	1			3	20	bus service	
010106	soft drinks			1		3		1		1			1	2	1			1		2			1		3	17	soft drinks
010902	glass products			1				1						2	2						1	2	3		3	15	glass products
010401	lumbering			12		15		6	2	4	2	4	10	5	5	4	5	2	5	9	2	4	2	2	2	100	lumbering
030309	other construction works			9		2		3	4	7	5	2	5	5	6	7	6	2	5	4	10	4	3	2	2	91	other construction works
010101	meat/dairy products			1		6			4	3	2	4	8	5	6	3			1	2	2	1	3	2	2	53	meat/dairy products
030106	road construction work			1		9		8	1	2	2	1	3	1	5	4	5	2	1	3		1	2	2	2	53	road construction work
010701	printing service			1		3		7	3	1	3	3	4	2	4		2	3	2	4	3	1		2	48	printing service	
011702	machine repair			3		6		1	1	5	1	1		3		3	1	3	3	3			1	2	37	machine repair	
040309	other land cargo transportation service			4		4		2	2	1	2	1	2	1		6	2	2	2		3		1	2	37	other land cargo transportation service	
010402	plywood			2				2	3	3	3	2	3	2	2	1	1		2	3		2	3	2	36	plywood	
011204	metal plating products			4		2		3	1	1	2	2		3		2			2	2	3	3	2	2	34	metal plating products	
140101	hotel					5			3			1	2	2	2							3	1	2	21	hotel	
010801	non organic or organic chemical products							2	2	1	2	1	2	1			1		1	2		2	1	2	20	non organic or organic chemical products	
080202	auto mobile retail			2					1		3	1							2	2	3	2	1	2	19	auto mobile retail	
030104	railway construction work					1		3	1	1			1		1				3	1			1	2	15	railway construction work	
010204	dyeing			1		2		1			2					1	1	1	2					2	13	dyeing	
	nonferrous metals/rolling																										nonferrous metals/rolling

011101	products					1					1	1			2	1	1			1		1		2	11	products
060209	other forestry			10		4		6	10	9	9	5	10	11	12	6	15	4		1	1	2	2	1	118	other forestry
030209	other building construction work			10		10		8	6	5	6	7	2	7	10	5	8	5	4	5	6	4	4	1	113	other building construction work
140309	other amusement service			6		8		6	3	2	3	2	6	5	5	2	2	2	4	3	4	7	4	1	75	other amusement service
030301	electricity/telecommunication work			7		4		3	8	2	3	3	3	7	1	4		4	1	3	2	5	2	1	63	electricity/telecommunication work
040302	specific truck transportation service			4		6		2	3	2	3	2	3	4	4	6	3	3	2	7	2	1	1	1	59	specific truck transportation service
130101	hospital			2		4		4	3	3	3	3	6	2	3	2		2	4	3	3	3	4	1	55	hospital
010602	paper processing products			6		1		6	2	4		4	4	3	1		2	4	2	2	5	3	3	1	53	paper processing products
030302	machinery/apparatus setting work			4		5		2		10	1	2	2	1	2	8	1	4	1	3	1	1	1	1	50	machinery/apparatus setting work
010104	bread/cake products			1		2		1	2	5	1	2	2	4	2	1	2	3	4	1	4	2	4	1	44	bread/cake products
010102	fishery products			1		3		3	1	4	1	2	1	2	4	2	1	4	2	2	2	1	2	1	39	fishery products
010903	pottery products			7		1		2	6	3	1	3					1	4		1	6	2	1	1	39	pottery products
011703	cleaning			2		2		2	4		3	2	1	1	2	2	1	2	1		2	2	6	1	36	cleaning
010899	other chemical products			3		2				2	1	2	2		1	1	2	4		3	1	1	3	1	29	other chemical products
011409	other electrical equipment			1		3		4		4	3	1		1		1			1	3		4	1	1	28	other electrical equipment
140201	general restaurant			2		2		2		1			1	3	1	4	1	1		2	2	1	1	1	25	general restaurant
011403	electronics equipment and telecommunications apparatus			2		1		2	1		2	1	3	1	1			1		1	1	3	2	1	23	electronics equipment and telecommunications apparatus
011009	other steel products			2		3			1	4	3	2	1			2	2			1				1	22	other steel products
010103	agricultural food products			1				4		1	3			1	1	2	1		2			4		1	21	agricultural food products
011109	other nonferrous metal products			1		2			2	2	1	2				1	1		2	1	1	3	1	1	21	other nonferrous metal products

040409	other transportation service			1		1		1		1	1	2	2		1	3	3				1	19	other transportation service		
010609	other pulp/paper processing products					2		1	1	2		2	1					1	1	1	2	1	16	other pulp/paper processing products	
010803	pharmaceuticals							2	1						2			1	1	2	2	3	1	15	pharmaceuticals
080101	all kinds of wholesale			1		4		2	2		1	1	2							1			1	15	all kinds of wholesale
011305	other precision machine products								2	1			1	1	3	1				2			1	12	other precision machine products
011402	electrical appliance			1				2		1	1			1	1				1	1		1	12	electrical appliance	
030105	bridge construction work			2		2					2	1	1				1			1	1	1	1	12	bridge construction work
140209	other restaurants								1	2	3	1		1	1				1			1	1	12	other restaurants
170101	dispatch service					2		1	1	1				1			1	1	1				1	10	dispatch service
150105	livestock process service							1		1	1	1				1	1				1		1	8	livestock process service
040201	taxi service										1		1						1	3		1	7	taxi service	
010809	chemical fertilizer products							1	1			1				1			1			1	6	chemical fertilizer products	
010808	painting products										1					2		1				1	5	painting products	
011202	screw products									1			2	1								1	5	screw products	
030101	hydroelectric plant construction work			1		1					1								1			1	5	hydroelectric plant construction work	
130109	other medical treatment service									1									1		1	1	4	other medical treatment service	
090209	other advertisement and mediator							1			1											1	3	other advertisement and mediator	
130309	other health and hygiene service							1													1	1	3	other health and hygiene service	
060201	lumbering			23		28		27	32	27	29	29	21	28	30	29	27	6	9	4	10	3		362	lumbering
011002	casting products			2		6		3	5	5	6	4	3	6	4	3	2	2	1	3	2	5	3	65	casting products
011709	other manufacturing			4		3		3	7	3	4	5	3	3		2	4	2	5	1	4	4	2	59	other manufacturing

070201	fishery			2		5		15	6	2	1	3	3	3	2		4	1		4	1	1	1		54	fishery	
011501	ship building			2		5		7	2	2	4	2	2	1		1		4	1	2	3	2	6		46	ship building	
040101	railroad service			4		3		1	2	4	1	2	4		3	5	2	2	3	3		3	1		43	railroad service	
010409	other lumber and wood products			3		3		2	2		2	2	1	3	1	2	5			1	3	1	1		32	other lumber and wood products	
030108	sand collapse prevention civil engineering work			5		2		6	1	6		2	1	1	3	1	1			1	1				31	sand collapse prevention civil engineering work	
011509	other transport equipment products			4		1		2	1	2	1		1		1	4	1	2		2	2	1			25	other transport equipment products	
030110	water supply/sewage construction work			4		1		1	1	1	1		1		2	1			2		3	2	1		21	water supply/sewage construction work	
010601	pulp/paper			1		2		2	1	2	1	3	1	2	1				2		1	1			20	pulp/paper	
030109	land consolidation civil engineering work			4		2			1	1	2	2					1	1	3		1	1	1		20	land consolidation civil engineering work	
010905	other ceramic products			2		1		3	1	1	2			2	1		2	1			1	2			19	other ceramic products	
020201	quarrying			2					1	1		1	2	1		1	1	1	3			2			16	quarrying	
030107	river civil engineering work			1		1		2				2		1	1	5	1	1		1					16	river civil engineering work	
070209	other fishery			1		1			2		1		2	3		1		2		1	1				15	other fishery	
010904	fire resisting products			3		2			1	2		1				1	1	1	1						13	fire resisting products	
010702	bookbinding			3		1			2		1				2		1			2					12	bookbinding	
011503	railway vehicle products			1				1			1	3	1				1		2			1	1		12	railway vehicle products	
030102	tunnel construction work			3					1	1	1	1	1		1	1					1				11	tunnel construction work	
011401	heavy electrical equipment			1				1	1		1	2	1		1		2								10	heavy electrical equipment	
050201	general harbor transportation service			4				1					1				2			1			1		10	general harbor transportation service	
010105	alcoholic drinks			1				1		2					1	1		1		1			1		9	alcoholic drinks	
	nonferrous metals casting																										nonferrous metals casting

011102	products			1					3	1		2	1			1					9	products	
010209	other textile products				2			1	2							1		1	1			8	other textile products
010804	petroleum/coal products								1			1	1	1					1	2		8	petroleum/coal products
010709	other printing and bookbinding							2	1			2	1		1							7	other printing and bookbinding
040303	cargo/ light automobile transportation service						1	4				1								1		7	cargo/ light automobile transportation service
010203	weaving			1		1			1							1				2		6	weaving
020202	gravel digging				2		1		1		1									1		6	gravel digging
080203	furniture/fittings retail				1				1					1	1				2			6	furniture/fittings retail
010502	metal furniture				1				1					1	1						1	5	metal furniture
010802	chemical fiber			1					2	1									1			5	chemical fiber
010202	cotton-spinning								1	1	1	1										4	cotton-spinning
010309	other fiber products				2									1					1			4	other fiber products
010509	other furniture				1					1		1				1						4	other furniture
080205	newspaper retail			2		1													1			4	newspaper retail
090101	banking/trust business			1			1	1								1						4	banking/trust business
150104	cremation service											2						1		1		4	cremation service
011601	electric utility service																		2		1	3	electric utility service
050209	other harbor transportation service			1																1		3	other harbor transportation service
090103	insurance business			1				1			1											3	insurance business
010301	over/under wear										1		1									2	over/under wear
010807	leather products										1					1						2	leather products
011303	optical instruments														2							2	optical instruments
011603	city water service						1							1								2	city water service



170202	service					1																	1	service		
010201	silk-reeling																							silk-reeling		
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		
040209	other passenger transport service																							other passenger transport service		
080301	haircut																							haircut		
080302	beauty salon																							beauty salon		
090102	stock/commodity trade business																							stock/commodity trade business		
090201	traveling service																							traveling service		
	total			665		647		623	623	587	543	444	527	521	498	465	478	408	409	464	460	430	376	395	9,563	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](https://www.jisha.or.jp/english/statistics/202212_03.html)