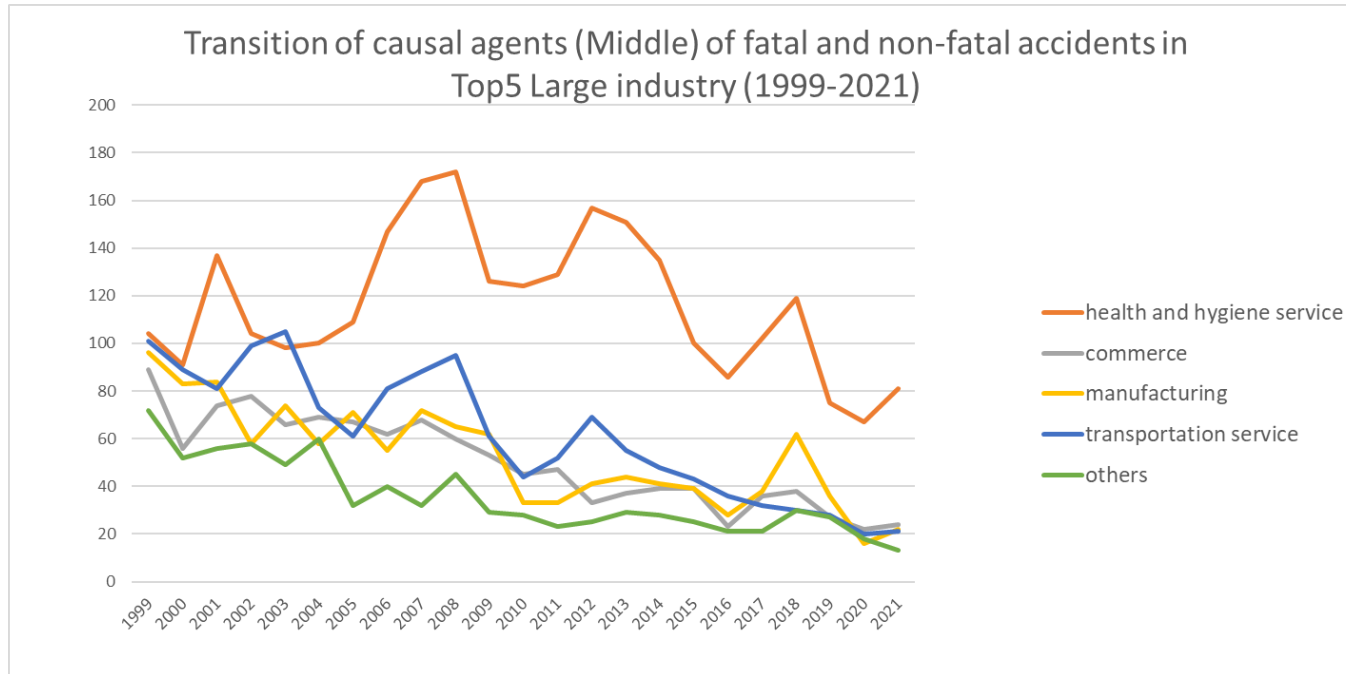
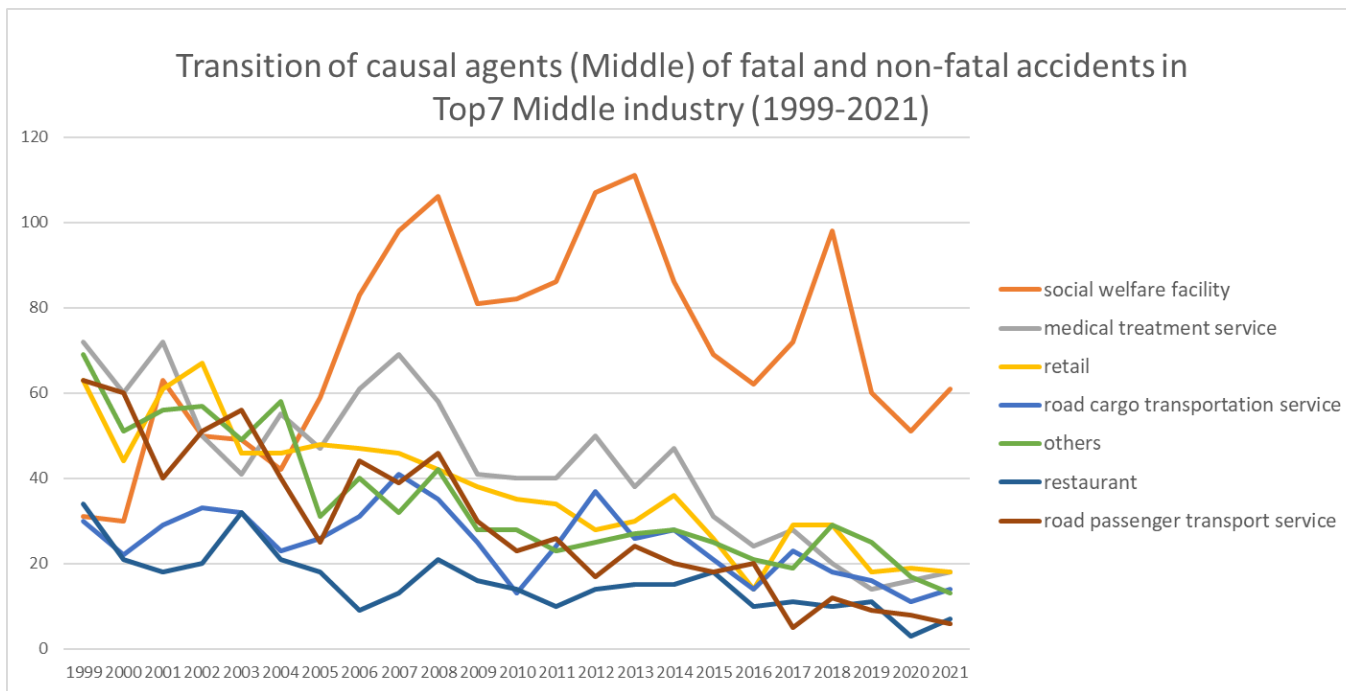


Transition of causal agents (Middle) of fatal and non-fatal accidents as code no. 99 unclassifiable (1999-2021)

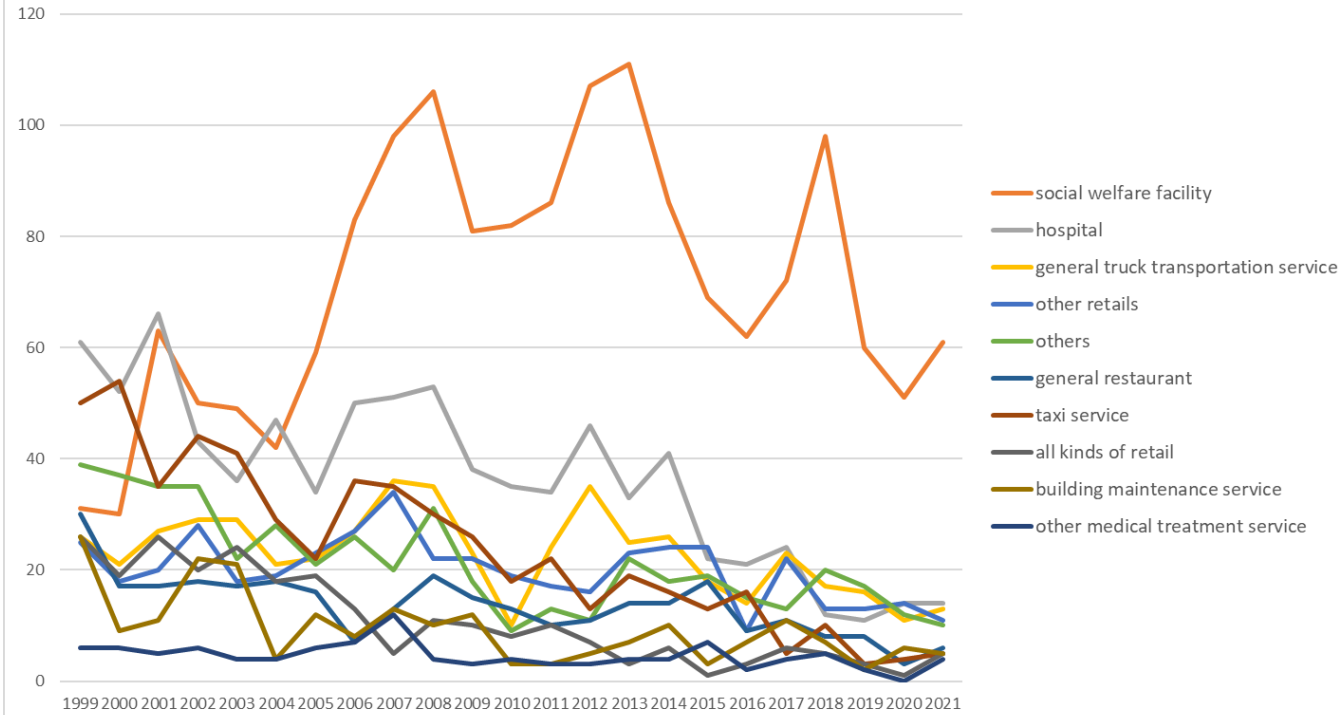


Transition of causal agents (Middle) of fatal and non-fatal accidents as code no. 99 unclassifiable in Large industry (1999-2021)



Transition of causal agents (Middle) of fatal and non-fatal accidents as code no. 99 unclassifiable 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. 99 unclassifiable in Small Industry (1999-2021)

Transition of causal agents (Middle) of fatal and non-fatal accidents as code no. 99 unclassifiable 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
13	health and hygiene service	104	91	137	104	98	100	109	147	168	172	126	124	129	157	151	135	100	86	102	119	75	67	81	2,682	health and hygiene service
08	commerce	89	56	74	78	66	69	67	62	68	60	53	45	47	33	37	39	39	23	36	38	27	22	24	1,152	commerce
01	manufacturing	96	83	84	58	74	58	71	55	72	65	62	33	33	41	44	41	39	28	38	62	36	16	22	1,211	manufacturing
04	transportation service	101	89	81	99	105	73	61	81	88	95	61	44	52	69	55	48	43	36	32	30	28	20	21	1,412	transportation service
17	others	72	52	56	58	49	60	32	40	32	45	29	28	23	25	29	28	25	21	21	30	27	18	13	813	others
14	hotel/restaurant/amusement service	75	64	43	57	67	61	36	36	28	55	41	38	23	39	28	33	40	21	20	23	22	7	10	867	hotel/restaurant/amusement service
03	construction	43	48	39	35	25	31	26	33	29	32	25	25	12	15	17	20	15	8	13	10	12	3	8	524	construction

15	commercial cleaning and livestock process	45	16	17	29	26	12	19	16	22	17	20	12	11	13	12	18	7	12	14	12	6	13	5	374	commercial cleaning and livestock process
11	telecommunication service	3	2		2	2	1	8	6	7	6	3	4	3	2	4	5	2	1	3	5	2	1	3	75	telecommunication service
06	agriculture	6	11	14	6	9	12	6	3	1	4	4	3	7	1	1	3	3	5		2			2	103	agriculture
07	livestock/fishery	7	11	14	3	7	4	6	5	5	2	4	4	1	4	2	1	1	2	2	3	5	1	2	96	livestock/fishery
05	cargo handling service	3	1	2	4	3	3	1	3	3	1	3	2	2	5	3	5	2	2	3	1	9	3	2	66	cargo handling service
12	education/research service	10	8	9	15	12	18	16	4	10	18	12	7	18	11	4	5	4	3	9	4	3	4	1	205	education/research service
09	financial business/advertisement	15	8	11	6	8	11	7	7	5	14	5	4	3	13	5	2	3	4	1	3	4			139	financial business/advertisement
16	public office	3		1	3	1	2	2	2	1	1			3		2		1					1		23	public office
10	movie/play service	2	2		1					1		1		1			1								9	movie/play service
02	mining	1	1	1	1								1				1								6	mining
	total	675	543	583	559	552	515	467	500	540	587	449	374	368	428	394	385	324	252	294	342	256	176	194	9,757	total

Transition of causal agents (Middle) of fatal and non-fatal accidents as code no. 99 unclassifiable 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
1302	social welfare facility	31	30	63	50	49	42	59	83	98	106	81	82	86	107	111	86	69	62	72	98	60	51	61	1,637	social welfare facility
1301	medical treatment service	72	60	72	50	41	55	47	61	69	58	41	40	40	50	38	47	31	24	28	20	14	16	18	992	medical treatment service
0802	retail	63	44	61	67	46	46	48	47	46	42	38	35	34	28	30	36	26	14	29	29	18	19	18	864	retail
0403	road cargo transportation service	30	22	29	33	32	23	26	31	41	35	25	13	24	37	26	28	21	14	23	18	16	11	14	572	road cargo transportation service
1702	others	69	51	56	57	49	58	31	40	32	42	28	28	23	25	27	28	25	21	19	29	25	17	13	793	others
1402	restaurant	34	21	18	20	32	21	18	9	13	21	16	14	10	14	15	15	18	10	11	10	11	3	7	361	restaurant
0402	road passenger transport service	63	60	40	51	56	40	25	44	39	46	30	23	26	17	24	20	18	20	5	12	9	8	6	682	road passenger transport service



0401	railroad/water transportation/airline service	8	7	11	15	17	10	10	6	8	14	5	6	2	15	5		4	2	4		3	1	1	154	railroad/water transportation/airline service
0117	other manufacturing	9	9	8	4	7	6	6	5	7	5	12	4	3	7	9	1	3	1	4	10	6		1	127	other manufacturing
0109	sand and stone products	5	6	2	6	3	5	5	2	3	4	1			1	1		2		4	1		1	1	53	sand and stone products
0104	wood products	3	3	2	1	6	2	4	3	1	2	4		2	1	4	2			1	3	1	1	1	47	wood products
0803	haircut/beauty salon	2	2	3	3	3	1	4	3	1	2	1	1	1		1			1	1	2			1	33	haircut/beauty salon
0116	electric/gas/water service	1		3	1	1	2			1		1							1		1			1	13	electric/gas/water service
1401	hotel	7	9	2	4	13	15	4	7	3	16	8	6	4	9	5	3	13	5	4	4	6	1		148	hotel
0901	financial business	14	6	9	4	7	9	4	5	4	11	3	4	3	8	3	2	1	2	1	3	4			107	financial business
0113	machine products	6	6	6	4	10	2	7	4	2		6	6	2	2	3	5	7	2	4	3	2	1		90	machine products
0701	livestock	2	2	6	1	4	2	6	4	1	2	3	2		3	2	1				1	3	1		46	livestock
0902	advertisement and mediator	1	2	2	2	1	2	3	2	1	3	2			5	2		2	2						32	advertisement and mediator
0106	pulp/paper processing products	5	3	1	2	1		1	1		3	1	2		2	2	1	3			2				30	pulp/paper processing products
0601	agriculture	2	3		1	1	2	2	1		3	1	1	3	1		1	1	2		2				27	agriculture
0102	textile products	3	3	4	2			1	2							3						8			26	textile products
0107	printing/bookbinding	3	3	1	3		2	1	1	2	1	1	1		2	1	1			1		2			26	printing/bookbinding
1601	public office	3		1	3	1	2	2	2	1	1			3		2		1					1		23	public office
0110	steel making	1	1	1		1	1	1			1			3	2	1	1	1	2		1	2			20	steel making
1701	dispatch service	3	1		1		2	1			3	1				2				2	1	2	1		20	dispatch service
0105	furniture	2	1	5	1	1	2	2	1	1						1	1								18	furniture
0111	nonferrous metal making				1	1	3	2	2		1					1	1	1	1						14	nonferrous metal making

0103	fiber products	4	1	2		2		1		2	1															13	fiber products	
0502	harbor transportation service	1				2		1	1	2			1		1		1									3	13	harbor transportation service
1001	movie/play service	2	2		1					1		1		1		1											9	movie/play service
0202	quarrying	1		1	1								1														5	quarrying
0404	other transportation service			1								1	2														4	other transportation service
0203	other mining		1																								1	other mining
0201	coal mining																											coal mining
	total	675	543	583	559	552	515	467	500	540	587	449	374	368	428	394	385	324	252	294	342	256	176	194	9,757	total		

Transition of causal agents (Middle) of fatal and non-fatal accidents as code no. 99 unclassifiable 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
130201	social welfare facility	31	30	63	50	49	42	59	83	98	106	81	82	86	107	111	86	69	62	72	98	60	51	61	1,637	social welfare facility
130101	hospital	61	52	66	43	36	47	34	50	51	53	38	35	34	46	33	41	22	21	24	12	11	14	14	838	hospital
040301	general truck transportation service	26	21	27	29	29	21	22	27	36	35	23	10	24	35	25	26	18	14	23	17	16	11	13	528	general truck transportation service
080209	other retails	25	18	20	28	18	19	23	27	34	22	22	19	17	16	23	24	24	9	22	13	13	14	11	461	other retails
170209	others	39	37	35	35	22	28	21	26	20	31	18	9	13	11	22	18	19	15	13	20	17	12	10	491	others
140201	general restaurant	30	17	17	18	17	18	16	7	13	19	15	13	10	11	14	14	18	9	11	8	8	3	6	312	general restaurant
040201	taxi service	50	54	35	44	41	29	22	36	35	30	26	18	22	13	19	16	13	16	5	10	3	4	5	546	taxi service
080201	all kinds of retail	26	19	26	20	24	18	19	13	5	11	10	8	10	7	3	6	1	3	6	5	3	1	5	249	all kinds of retail
150101	building maintenance service	26	9	11	22	21	4	12	8	13	10	12	3	3	5	7	10	3	7	11	7	2	6	5	217	building maintenance service
130109	other medical treatment service	6	6	5	6	4	4	6	7	12	4	3	4	3	3	4	4	7	2	4	5	2		4	105	other medical treatment service
011502	auto mobile products	9	3	4	4	1	2	2	3	12	6	2	1	3	1		1	1	2	3	4	1		4	69	auto mobile products

170201	security service	30	14	21	22	27	30	9	14	12	10	9	19	10	14	4	10	6	6	6	9	8	4	3	297	security service
011209	other metal products	6	15	5	3	8	6	5	8	12	7	7	1	1	2	3	5	3	4	4	4		1	3	113	other metal products
030201	steel frame/reinforced concrete house construction work	6	8	10	4	3	3	5	6	8	9	1	4		3	3	5	2	1	1	1	2		3	88	steel frame/reinforced concrete house construction work
110101	telecommunication service	3	2		2	2	1	8	6	7	6	3	4	3	2	4	5	2	1	3	5	2	1	3	75	telecommunication service
080409	other commerce	8	4		2	6	6	2	4	4	4	3		5	2	3		5	1	2	2	2	2	3	70	other commerce
140309	other amusement service	18	26	6	15	12	13	9	16	7	9	10	5	5	6	5	6	6	1	1	5	3	2	2	188	other amusement service
010109	other foods	13	8	11	12	7	6	14	6	6	13	8	5	9	4	4	5	3	2	2	8	5	3	2	156	other foods
030199	other civil engineering work	9	10	8	5	6	6	3	6	1	4	7	6	5	1	4	3		1	1	1	2		2	91	other civil engineering work
080205	newspaper retail	10	4	12	10	3	3	2	2	3	8	2	6	2	2		4		2		6	1	2	2	86	newspaper retail
050101	land cargo handling service	2	1	2	4	1	3		2	1	1	3	1	2	4	3	4	2	2	3	1	6	3	2	53	land cargo handling service
030309	other construction works	4	4	4	2	1	1	3	4	1	6	3	3		2	1	2	1		2		2	1	2	49	other construction works
130309	other health and hygiene service		1	2	4	7	3	3	3	1	7	4	2	3		2	2			2	1			2	49	other health and hygiene service
060201	lumbering	4	4	5	1	4	4	3	2		1		1	3		1		1	3					2	39	lumbering
070201	fishery	3	8	4		2	2			4									2	1	2	1		2	31	fishery
011403	electronics equipment and telecommunications apparatus	1	2	1		6	1			2	2	1				1		1		1				2	21	electronics equipment and telecommunications apparatus
120109	other education/research service	10	8	9	12	11	18	14	3	10	17	11	7	17	10	4	4	4	2	9	4	1	3	1	189	other education/research service
080109	other wholesale	12	5	8	4	8	14	8	6	14	10	10	9	5	1	3	1	5	6	3	4	6	1	1	144	other wholesale
140301	golf course	14	7	17	17	9	11	5	4	5	8	6	7	4	7	3	5		2	2	2		1	1	137	golf course
040202	bus service	10	6	5	7	13	11	3	8	4	16	4	5	4	4	3	3	5	4		2	5	4	1	127	bus service
040101	railroad service	7	2	3	8	10	7	2	5	5	14	5	5	2	9	3		3	2	3		2	1	1	99	railroad service
030209	other building construction	8	8	11	8	8	6	4	5	5	3	5	4	1	2	2	4	1	1	1	3	1		1	92	other building construction



	work																								work		
010102	fishery products	5	3	6	2	2	2	3	1	2	2	3		1	2	1	2	1	3	2	8	1		1	53	fishery products	
140209	other restaurants	4	4	1	2	15	3	2	2		2	1	1		3	1	1		1		2	3		1	49	other restaurants	
010101	meat/dairy products	3	2	3	1	2	4	3	1	2	1	2	1	3	3	1	1	1	3	1	2	1		1	42	meat/dairy products	
011409	other electrical equipment	3	3	2		2	2	4	6	1	1	1	4		2	1	1	3		2	1	1	1	1	42	other electrical equipment	
011701	auto mobile servicing	3	2	1	2	2	2	3	3	3	2	1	1	1	3	1		1	1	1	1	1	2		1	37	auto mobile servicing
010805	plastics products		1	1	2	3	3	1	2	7	3	1		1	1	1	1			2	1			1	32	plastics products	
080302	beauty salon	2	2	3	3	2	1	3	2	1	2	1	1	1		1			1	1	2			1	30	beauty salon	
010901	cement products	1	3	2	4	2	3	2			2					1				1	1		1	1	24	cement products	
080401	warehousing	2				1	1	3	2	1	2	1		1	2		2	3		1	1			1	24	warehousing	
040302	specific truck transportation service	2			2				2	4			3		1		1	1			1			1	18	specific truck transportation service	
010801	non organic or organic chemical products	1	1	3			1			1	1	1		1			2		3			1		1	17	non organic or organic chemical products	
011509	other transport equipment products	1			1	3	1		2			1	1			1	2	1			1			1	16	other transport equipment products	
011501	ship building										2			1	3		1		1	1	2	1	2	1	15	ship building	
010409	other lumber and wood products	1	1			4					1	1	1		1		1	1						1	13	other lumber and wood products	
011601	electric utility service			1	1	1				1								1						1	6	electric utility service	
140101	hotel	7	9	2	4	13	15	4	7	3	16	8	6	4	9	5	3	13	5	4	4	6	1		148	hotel	
090103	insurance business	11	5	5	1	5	4	3	2	3	7	2	2	2	5	3	1	1	2	1	3	2			70	insurance business	
011301	machine products	5	4	3	2	8	2	6	2	1		4	5	1	2	3	4	6	2	4	3	2			69	machine products	
011709	other manufacturing	4	4	4	2	4	2	1		4		7	1	1	2	7		2		2	6	2			55	other manufacturing	
150109	other cleaning and livestock process service	8	5	1	1	2	1	1	2	4	4	2	2	1	3	4	4	1	1	2	3	2			54	other cleaning and livestock process service	
040103	airline service	1	4	8	7	7	3	8	1	2			1		6	2				1		1			52	airline service	





040209	other passenger transport service	3			2									2	1					1		9	other passenger transport service
090201	traveling service		1		1				1	1				3	1	1						9	traveling service
010309	other fiber products	3	1	2	1				1													8	other fiber products
011702	machine repair		1	2			1		1	1	1			1								8	machine repair
030107	river civil engineering work		4		1	1		1		1												8	river civil engineering work
120101	auto mobile practical training				2					1		1	1		1					2		8	auto mobile practical training
120102	software service				1	1		2	1		1						1				1	8	software service
010601	pulp/paper	1			1		1			2		1				1						7	pulp/paper
011401	heavy electrical equipment						1			2	1		1					1			1	7	heavy electrical equipment
080203	furniture/fittings retail	1			1		1						1		1			1	1			7	furniture/fittings retail
010402	plywood							1			1			1	1					2		6	plywood
010709	other printing and bookbinding	2			1		1		1						1							6	other printing and bookbinding
011101	nonferrous metals/rolling products						2	1	1		1				1							6	nonferrous metals/rolling products
011109	other nonferrous metal products				1	1		1	1							1		1				6	other nonferrous metal products
011202	screw products		1	1					1			1							1		1	6	screw products
030102	tunnel construction work				1	1			1					1					2			6	tunnel construction work
030104	railway construction work				2			2					1		1							6	railway construction work
040303	cargo/ light automobile transportation service	1				2	1		1													6	cargo/ light automobile transportation service
100109	other movie/play service	1	1		1				1		1				1							6	other movie/play service
010301	over/under wear	1				1		1		2												5	over/under wear
010803	pharmaceuticals						1		1	1					1	1						5	pharmaceuticals
010903	pottery products		2		1			1	1													5	pottery products

011009	other steel products	1					1	1				1												5	other steel products		
030105	bridge construction work	1	1			1						1												5	bridge construction work		
150105	livestock process service			1			1	1					1											5	livestock process service		
170202	information processing service							1				1	1				1						1		5	information processing service	
010105	alcoholic drinks		1		1									1	1										4	alcoholic drinks	
010204	dyeing	1	1	1											1										4	dyeing	
010808	painting products				1			1								1		1							4	painting products	
011001	steel/iron/rolling products														1		1						2		4	steel/iron/rolling products	
011302	measuring instruments			1	1	1										1									4	measuring instruments	
011503	railway vehicle products	1				1	1		1																4	railway vehicle products	
011603	city water service			1			1					1												1		4	city water service
030108	sand collapse prevention civil engineering work	1									1					1									4	sand collapse prevention civil engineering work	
040409	other transportation service			1								1	2												4	other transportation service	
130301	bathroom	1				1					1												1		4	bathroom	
010702	bookbinding		1	1											1											3	bookbinding
010802	chemical fiber			2																				1		3	chemical fiber
010902	glass products	1														1		1								3	glass products
011602	city gas service	1		1			1																			3	city gas service
020202	gravel digging	1		1	1																					3	gravel digging
040102	water transportation service		1								1							1								3	water transportation service
080301	haircut					1		1	1																	3	haircut
100101	movie production and delivery service	1	1												1											3	movie production and delivery service
010106	soft drinks												1		1											2	soft drinks
010502	metal furniture						1										1									2	metal furniture

010609	other pulp/paper processing products	1												1										2	other pulp/paper processing products	
010905	other ceramic products				1						1													2	other ceramic products	
011102	nonferrous metals casting products					1										1								2	nonferrous metals casting products	
011303	optical instruments				1									1										2	optical instruments	
030101	hydroelectric plant construction work														1								1		2	hydroelectric plant construction work
030111	port/seaside construction work					1									1									2	port/seaside construction work	
050201	general harbor transportation service										1												1		2	general harbor transportation service
080102	furniture/fittings wholesale			1	1																			2	furniture/fittings wholesale	
010202	cotton-spinning	1																						1	cotton-spinning	
010503	fittings	1																						1	fittings	
010509	other furniture			1																				1	other furniture	
010804	petroleum/coal products			1																				1	petroleum/coal products	
010807	leather products											1												1	leather products	
010809	chemical fertilizer products			1																				1	chemical fertilizer products	
010904	fire resisting products										1													1	fire resisting products	
020201	quarrying														1									1	quarrying	
020209	other quarrying																						1	1	1	other quarrying
020309	other mining			1																				1	1	other mining
050209	other harbor transportation service																							1	1	other harbor transportation service
090102	stock/commodity trade business				1																			1	1	stock/commodity trade business

