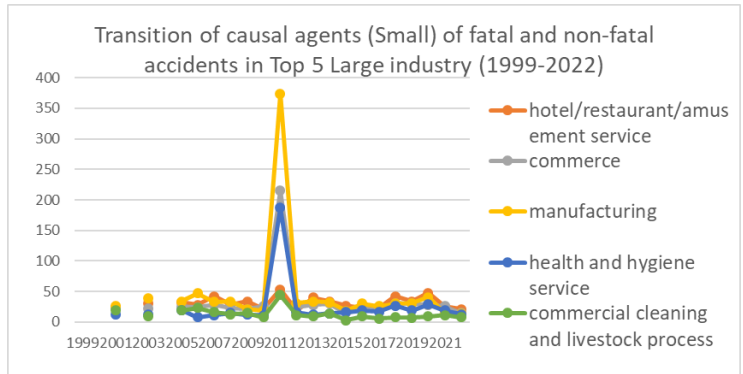
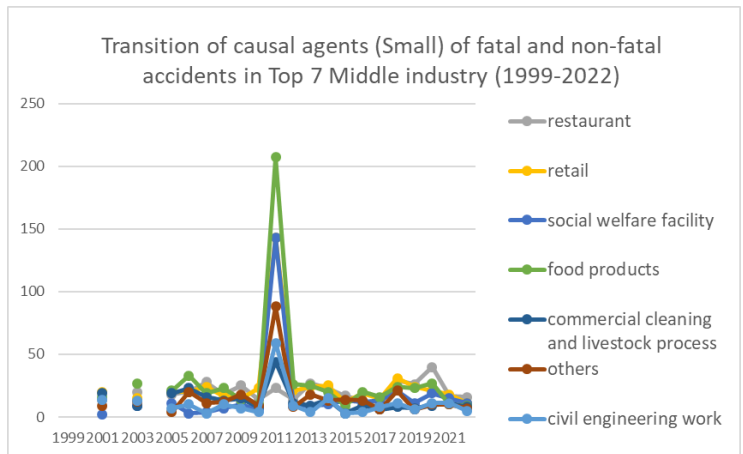


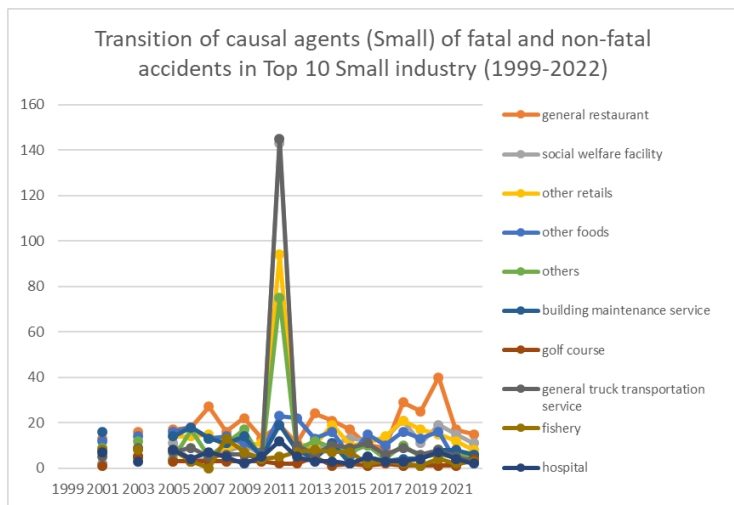
Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 713 water (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 713 water in Large industry (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 713 water in Middle Industry (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 713 water in Small Industry (1999-2022)

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 713 water in Large industry (1999-2022)

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	2022	total	Large industry
14	hotel/restaurant/amusement service			22		30		32	28	42	28	34	21	53	19	40	34	27	23	23	42	34	48	25	21	626	hotel/restaurant/amusement service
08	commerce			24		22		25	24	28	23	21	26	215	24	28	30	15	23	18	31	30	28	26	15	676	commerce
01	manufacturing			27		39		34	47	33	34	21	19	374	31	34	32	18	30	26	30	31	41	15	14	930	manufacturing
13	health and hygiene service			12		12		20	8	11	15	12	11	187	16	12	14	16	19	17	27	19	29	19	13	489	health and hygiene service
15	commercial cleaning and livestock process			19		9		19	23	16	13	15	8	44	11	9	14	3	9	6	8	7	9	11	8	261	commercial cleaning and livestock process
03	construction			17		19		16	19	6	18	11	12	173	15	5	19	9	6	13	14	10	16	14	7	419	construction
17	others			9		13		4	20	12	12	18	9	91	9	20	13	15	13	6	22	7	11	10	7	321	others
07	livestock/fishery			8		10		12	3	3	17	11	6	17	8	11	10	10	2	5	5	7	5	3	5	158	livestock/fishery
04	transportation service			12		11		10	16	10	12	7	5	191	12	10	11	13	16	9	12	10	12	6	3	388	transportation service
12	education/research service			2		4		2	1	4	3	2		12	5	2	4			3	2	2	2	1	2	53	education/research service
11	telecommunication service					1		6	7		1	4	6	35	1	3	2		2	5	4	1	2	1	1	82	telecommunication service
06	agriculture			1		2		1	1	2		1		8	2	4	1	2	2	1	1	1	1	3	1	35	agriculture
05	cargo handling service					1		1						12	1	1			2	2	2	1	2	1	1	27	cargo handling service
16	public office					2					1	1	1	2							1				1	9	public office
09	financial business/advertisement			1		3		1	5	3	5	5	1	33	1	4	4	2		1	2			4		75	financial business/advertisement
02	mining								1					2		1			1		1			1		7	mining
10	movie/play service			1					1				1	1												4	movie/play service
	total			155		178		183	204	170	182	163	126	1,450	155	184	188	130	148	135	204	160	206	140	99	4,560	total

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 713 water in Middle industry (1999-2022)

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	2022	total	Middle industry
1402	restaurant			14		20		18	20	28	18	25	14	23	14	27	23	17	13	9	29	26	40	17	16	411	restaurant

0802	retail			20		15		20	20	24	17	15	23	143	21	24	25	12	19	15	31	24	21	18	11	518	retail
1302	social welfare facility			2		9		11	3	4	7	10	6	143	9	9	10	13	12	13	21	11	19	15	11	338	social welfare facility
0101	food products			16		27		21	33	19	23	14	10	207	26	25	20	9	20	16	24	23	27	10	9	579	food products
1501	commercial cleaning and livestock process			19		9		19	23	16	13	15	8	44	11	9	14	3	9	6	8	7	9	11	8	261	commercial cleaning and livestock process
1702	others			9		12		4	20	11	12	18	9	88	8	18	13	14	13	6	21	6	10	10	7	309	others
0301	civil engineering work			14		13		7	10	3	10	7	4	59	9	4	15	3	4	8	11	6	11	11	5	214	civil engineering work
0702	fishery			8		9		11	3	2	17	8	6	16	8	11	9	9	2	4	4	6	5	3	5	146	fishery
1403	other amusement service			5		8		5	4	8	5	7	6	17	4	9	3	5	3	13	9	6	4	5	5	131	other amusement service
0403	road cargo transportation service			8		10		8	10	6	7	7	4	157	11	7	10	10	11	6	9	8	8	6	3	306	road cargo transportation service
1301	medical treatment service			9		3		8	5	7	7	2	5	40	7	3	4	2	6	4	5	6	10	4	2	139	medical treatment service
0303	other construction works			3		1		3	1	2	3	2		38	5		2	4	1	2	1	2	4	3	2	79	other construction works
1201	education/research service			2		4		2	1	4	3	2		12	5	2	4			3	2	2	2	1	2	53	education/research service
0804	other commerce			2		2		3	2	1	2	1	1	21	1	1	3	1	2	1		2	2	2	2	52	other commerce
0108	chemical products					3		5		3	2	2		7	1	1	5	2	2	2	2	2	3	3	2	47	chemical products
0112	metal products			1		1			2		3		3	20			3	2	1	1			2		2	41	metal products
0801	wholesale			2		5		2	2	3	4	4	2	49	2	3	2	2	2	2		3	5	5	1	100	wholesale
1101	telecommunication service					1		6	7		1	4	6	35	1	3	2		2	5	4	1	2	1	1	82	telecommunication service
0114	electrical equipment products					1		1	3	1				11		1									1	19	electrical equipment products
0602	forestry					2		1	1	2		1		6				2		1	1			1	1	19	forestry
0502	harbor transportation service							1						8					2	1		1		1	1	15	harbor transportation service
1601	public office					2					1	1	1	2							1				1	9	public office
0803	haircut/beauty salon											1		2								1		1	1	6	haircut/beauty salon
0302	construction work					5		6	8	1	5	2	8	76	1	1	2	2	1	3	2	2	1			126	construction work
1401	hotel			3		2		9	4	6	5	2	1	13	1	4	8	5	7	1	4	2	4	3		84	hotel
0402	road passenger transport service			2		1		2	5	4	5		1	30			1	3	5	1	2	1	4			67	road passenger transport service
0117	other manufacturing							2	2	4	1		2	43	2					1	1	2	4			64	other manufacturing
0901	financial business					1		1	5	3	4	5	1	29	1	3	2	2		1	1			3		62	financial business
0115	transport equipment products			2		3			1	1		1		20	1	4	2		2	2		2				41	transport equipment products
0109	sand and stone products			3		2		1	1	1	2	1		5	1	1	1	2	2		2		1			26	sand and stone products
0104	wood products							1			1			18		1						1				22	wood products
0113	machine products					1		2		2	1	1	1	6					1	1		1	1	1		19	machine products
0601	agriculture			1										2	2	4	1		2			1	1	2		16	agriculture

0110	steel making				1							1			1	9								1	1					1				15	steel making				
0116	electric/gas/water service									2			2			10		1																15	electric/gas/water service				
0401	railroad/water transportation/airline service				1					1						4	1	2						2	1	1								13	railroad/water transportation/airline service				
0902	advertisement and mediator				1		2								1		4		1	2					1					1				13	advertisement and mediator				
0501	land cargo handling service						1									4	1	1						1	2			2						12	land cargo handling service				
0701	livestock						1		1		1		3			1			1	1			1	1	1									12	livestock				
1303	other health and hygiene service				1				1			1				4				1	1			1	2									12	other health and hygiene service				
1701	dispatch service						1				1					3	1	2		1			1	1	1									12	dispatch service				
0106	pulp/paper processing products				1											3			1	2				1			2							10	pulp/paper processing products				
0102	textile products				1				1	2						2				1	1	1													9	textile products			
0103	fiber products				1		1									3																			7	fiber products			
0202	quarrying										1					2		1					1		1					1					7	quarrying			
0111	nonferrous metal making				1											2	2							1											6	nonferrous metal making			
0105	furniture															4															1				5	furniture			
0107	printing/bookbinding															4																			5	printing/bookbinding			
1001	movie/play service				1											1	1																		4	movie/play service			
0404	other transportation service				1																														2	other transportation service			
0201	coal mining																																						
0203	other mining																																						
	total				155		178		183	204	170	182	163	126	1,450	155	184	188	130	148	135	204	160	206	140	99	4,560										total		

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 713 water in Small industry (1999-2022)

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	2022	total	Small industry
140201	general restaurant			13		16		17	18	27	16	22	13	19	11	24	21	17	10	9	29	25	40	17	15	379	general restaurant
130201	social welfare facility			2		9		11	3	4	7	10	6	143	9	9	10	13	12	13	21	11	19	15	11	338	social welfare facility
080209	other retails			7		4		14	14	15	9	10	11	94	10	10	19	10	11	14	21	17	15	12	8	325	other retails
010109	other foods			12		14		16	18	13	14	11	7	23	22	13	16	5	15	10	16	13	16	3	6	263	other foods
170209	others			9		12		4	17	5	11	17	4	75	8	12	9	7	10	4	10	5	6	5	6	236	others
150101	building maintenance service			16		5		14	18	13	11	14	5	19	8	4	11	2	5	3	4	4	8	8	6	178	building maintenance service
140301	golf course			1		5		3	3	3	3	3	3	2	2	5	1	2	1	2	1	1	1	1	4	47	golf course
040301	general truck transportation service			5		9		7	9	5	6	6	4	145	10	6	10	9	11	6	9	6	8	5	3	279	general truck transportation service
070201	fishery			8		8		8	3		13	7	4	5	7	8	7	7	2	3	2	1	4	2	3	102	fishery
130101	hospital			7		3		8	4	7	5	2	5	12	5	3	3	2	5	3	3	4	7	4	2	94	hospital
080201	all kinds of retail			11		7		4		3	3	3	6	11	6	8	3	1	4		6	3		1	2	82	all kinds of retail

030199	other civil engineering work			4		1		5	2	2	2	2	1	23	2	2	6		1	2		2	2	2	2	63	other civil engineering work
030309	other construction works			3		1		1	1	2	2	2		22	4		2	2		1		1	2	2	2	50	other construction works
120109	other education/research service			2		4		2		4	3	2		9	5	2	4			3	2	2	2	1	2	49	other education/research service
070209	other fishery					1		3		2	4	1	2	11	1	3	2	2		1	2	5	1	1	2	44	other fishery
011209	other metal products							1		3		3	16			3	1	1	1			2		2	33	other metal products	
030106	road construction work			1		3		1	2				1	7			1			1		1	1	3	2	24	road construction work
010102	fishery products			2		2		3	3	1	2	3		168		3	1	2	2	3	3		5	3	1	207	fishery products
110101	telecommunication service					1		6	7		1	4	6	35	1	3	2		2	5	4	1	2	1	1	82	telecommunication service
140309	other amusement service			3		2		2	1	4	2	4	1	14	2	4	2	2	1	11	8	5	3	4	1	76	other amusement service
170201	security service							3	5	1	1	5	11		5	4	7	3	2	11	1	4	5	1	69	security service	
010104	bread/cake products			1		4		1	5		4		1	6	3	5	2	1	3	2	2	6	4	3	1	54	bread/cake products
080409	other commerce			2		2		3	2		2	1	1	19		1	3	1	2			2	2	2	1	46	other commerce
080204	fuel retail			1		2		2		2	1			26						1		1	1		1	38	fuel retail
140209	other restaurants			1		4		1	2	1	2	3	1	4	3	3	2		3			1			1	32	other restaurants
150102	industrial waste management service			1		2			1	1			1	11	2	2	1		1	1	1	2		2	1	30	industrial waste management service
010101	meat/dairy products			1		2		1	3	4			1	8		2					2	1	1	1	1	28	meat/dairy products
150109	other cleaning and livestock process service			1		2		1	3	2	2			4	1	2	1		2	1	2	1	1	1	1	28	other cleaning and livestock process service
030107	river civil engineering work			1		2			1	1	1	1	1	3	1		3		2	2	1	1	1	1	1	23	river civil engineering work
011403	electronics equipment and telecommunications apparatus					1		1	1					9											1	13	electronics equipment and telecommunications apparatus
060201	lumbering					1			1	2				6				1		1					1	13	lumbering
010803	pharmaceuticals					1		2				1					1			1	1			1	1	9	pharmaceuticals
160101	public office					2					1	1	1	2						1				1	9	public office	
080302	beauty salon										1			2								1		1	1	6	beauty salon
080401	warehousing								1					2	1										1	6	warehousing
010801	non organic or organic chemical products							1									1		1					1	1	5	non organic or organic chemical products
080101	all kinds of wholesale													2											1	3	all kinds of wholesale
050201	general harbor transportation service																					1			1	2	general harbor transportation service
080109	other wholesale			2		5		2	2	3	4	4	2	47	2	3	2	2	2	2		3	5	5		97	other wholesale
140101	hotel			3		2		9	4	6	5	2	1	13	1	4	8	5	7	1	4	2	4	3		84	hotel
080205	newspaper retail			1		1			5	4	4	2	6	6	5	3	2	1	4		3	3	5	3		58	newspaper retail
030209	other building construction work							4	2	1	3		2	33	1	1			1	2						50	other building construction work
040201	taxi service			2				1	5	3	2		1	23				2	2	1	2		1			45	taxi service
030111	port/seaside construction work			1		4			3		2	2		7	4	2	1	3	1	2	3		3	3		41	port/seaside construction work
090103	insurance business					1		1	2	1	4	5		19		2	2	1			1			1		40	insurance business
011701	auto mobile servicing								2	1				31	1									1		36	auto mobile servicing

030202	wooden house construction work					3		1	1			1	2	23						1			1				33	wooden house construction work
130109	other medical treatment service							1		2			15	2							1	2	2				25	other medical treatment service
150103	other waste disposal service			1				4	1			1	2	9		1	1	1	1	1	1						24	other waste disposal service
030203	building facility construction work					1		1	3		1		2	13				1			1						23	building facility construction work
011501	ship building			1		2				1				12	1	1			1	1		1					21	ship building
011709	other manufacturing							1	2	1				10	1						1	1	1	3			21	other manufacturing
030110	water supply/sewage construction work			4		1			1		5			8			1						1				21	water supply/sewage construction work
040202	bus service					1		1		1	3			6			1	1	3			1	3				21	bus service
030201	steel frame/reinforced concrete house construction work					1			2		1	1	2	7			2	1			1	2					20	steel frame/reinforced concrete house construction work
040302	specific truck transportation service			2				1	1		1			9	1	1		1				2		1			20	specific truck transportation service
090101	banking/trust business							2	2			1	10		1		1		1					2			20	banking/trust business
130102	general clinic			2										13			1		1	1	1	1		1			20	general clinic
011301	machine products					1		2		2	1	1	1	6					1	1		1	1				18	machine products
030109	land consolidation civil engineering work					2						1		5	1		3			1	3		2				18	land consolidation civil engineering work
030301	electricity/telecommunication work							2			1			13							1	1					18	electricity/telecommunication work
060101	agriculture			1										2	2	4	1		2			1	1	2			16	agriculture
010103	agricultural food products					2			3	1	1		1	1	1	2	1					1	1				15	agricultural food products
011502	auto mobile products			1		1			1			1		4		3	2		1	1							15	auto mobile products
010402	plywood							1						13													14	plywood
010899	other chemical products					2		2		1	2						1	1					1	2			12	other chemical products
010909	other sand and stone products			2						2				4					2		1		1				12	other sand and stone products
050101	land cargo handling service					1								4	1	1					1	2		2			12	land cargo handling service
070101	livestock					1		1		1		3		1			1	1		1	1	1					12	livestock
170101	dispatch service					1				1				3	1	2		1				1	1	1			12	dispatch service
010804	petroleum/coal products								1		1			6	1							1			1		11	petroleum/coal products
030302	machinery/apparatus setting work													3	1			2	1	1			2	1			11	machinery/apparatus setting work
050202	port cargo handling service													8					1	1					1		11	port cargo handling service
080202	auto mobile retail					1			1					5		1	1								2		11	auto mobile retail
030105	bridge construction work			2				1	1					2								2			2		10	bridge construction work
011001	steel/iron/rolling products			1								1		6					1								9	steel/iron/rolling products
011603	city water service							1			2			6													9	city water service
040102	water transportation service			1										4		1					2	1					9	water transportation service
010901	cement products			1		1		1	1					1		1		1				1					8	cement products
140302	park and amusement park			1		1				1			2	1				1	1								8	park and amusement park

010106	soft drinks					2					1					1		1		2				7	soft drinks
090209	other advertisement and mediator										1		4			1			1					7	other advertisement and mediator
130301	bathroom			1				1					1			1		1		1				7	bathroom
010401	lumbering										1		3		1					1				6	lumbering
060209	other forestry					1		1				1				1			1			1		6	other forestry
090201	traveling service			1		2								1	1							1		6	traveling service
010105	alcoholic drinks					1				1									1					5	alcoholic drinks
010701	printing service							1					4											5	printing service
011109	other nonferrous metal products			1								2	1					1						5	other nonferrous metal products
011204	metal plating products			1									2				1							5	metal plating products
011409	other electrical equipment							1	1				2		1									5	other electrical equipment
011509	other transport equipment products												4							1				5	other transport equipment products
011601	electric utility service							1					3		1									5	electric utility service
030108	sand collapse prevention civil engineering work			1							1	1		1					1					5	sand collapse prevention civil engineering work
040309	other land cargo transportation service					1			1		1		2											5	other land cargo transportation service
130309	other health and hygiene service												3				1				1			5	other health and hygiene service
010204	dyeing							1								1	1	1						4	dyeing
010301	over/under wear			1						1			2											4	over/under wear
010501	wood furniture												3								1			4	wood furniture
010609	other pulp/paper processing products												2				1			1				4	other pulp/paper processing products
010805	plastics products							1								2	1							4	plastics products
010806	rubber products												1		1						1	1		4	rubber products
011009	other steel products												2					1					1	4	other steel products
011702	machine repair							1				1	2											4	machine repair
020201	quarrying												2							1			1	4	quarrying
030104	railway construction work							1					3											4	railway construction work
080203	furniture/fittings retail												1		2					1				4	furniture/fittings retail
120101	auto mobile practical training							1					3											4	auto mobile practical training
170202	information processing service										1		2		1									4	information processing service
010209	other textile products			1									2											3	other textile products
010309	other fiber products					1				1			1											3	other fiber products
010601	pulp/paper															1						2		3	pulp/paper
010602	paper processing products			1									1			1								3	paper processing products
010905	other ceramic products									1						1	1							3	other ceramic products
020202	gravel digging							1							1			1						3	gravel digging
030101	hydroelectric plant												1							1	1			3	hydroelectric plant

