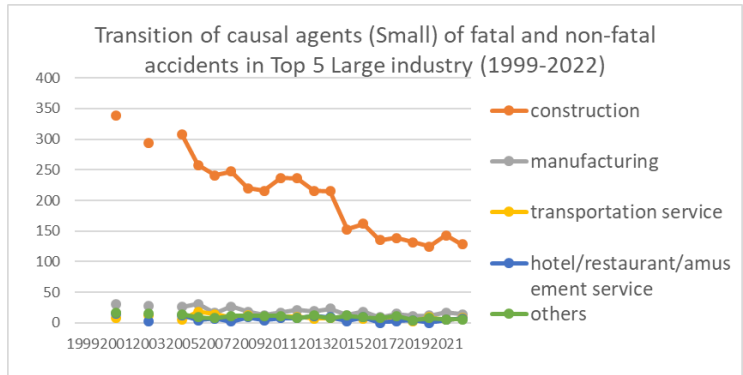
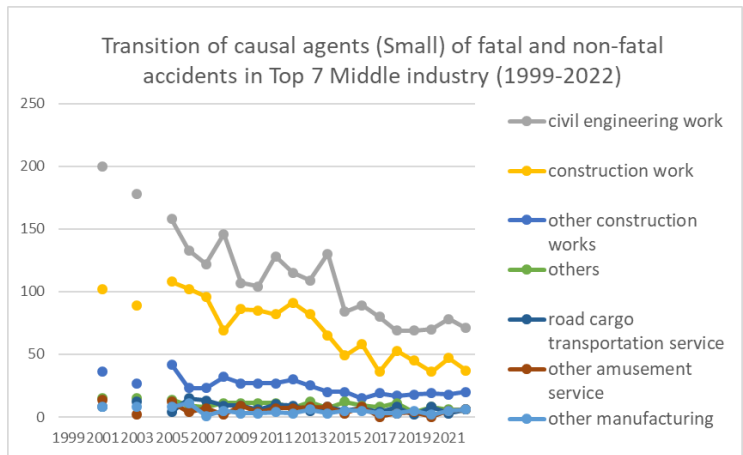


Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 149 other construction machines (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 149 other construction machines in Large industry (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 149 other construction machines in Middle Industry (1999-2022)



0301	civil engineering work			200		178		158	133	122	146	107	104	128	115	109	130	84	89	80	69	69	70	78	71	2,240	work	
0302	construction work			102		89		108	102	96	69	86	85	82	91	82	65	49	58	36	53	45	36	47	37	1,418	construction work	
0303	other construction works			36		27		42	23	23	32	27	27	27	30	25	20	20	15	19	17	18	19	18	20	485	other construction works	
1702	others			15		15		14	9	8	11	11	11	11	7	12	7	12	9	8	11	4	8	6	6	195	others	
0403	road cargo transportation service			8		12		4	15	13	9	9	6	10	9	5	8	5	7	4	8	2	8	3	6	151	road cargo transportation service	
1403	other amusement service			14		2		12	4	7	2	9	4	7	7	8	8	3	8		3	4		5	6	113	other amusement service	
0117	other manufacturing			8		8		8	11	1	5	3	3	4	3	6	3	5	5	3	3	5	2	5	6	97	other manufacturing	
1501	commercial cleaning and livestock process			18		15		18	20	15	16	13	12	8	21	21	9	8	5	7	4	3	5	6	5	229	commercial cleaning and livestock process	
0109	sand and stone products			10		8		10	12	7	12	8	7	9	10	8	9	2	6	2	3	2	5	8	5	143	sand and stone products	
0802	retail			6		3		6	4	4	3	4	4		4	2	5	1	3	4	1	3	2	1	2	62	retail	
0804	other commerce			5		1		4	3	4	4	3	2	5		5	3	4	1	4	1	2	4		2	57	other commerce	
0401	railroad/water transportation/airline service							1	1	1		1				2		1		2	1	1	1	2	2	16	railroad/water transportation/airline service	
0202	quarrying			8		3		3	2	2	2	2	2	1	1	2	2	1	4	2	2		1	2	1	43	quarrying	
0113	machine products			2		4		3	3	1	4				1		3	4	4		4		1	2	1	37	machine products	
0115	transport equipment products			2				1	1		1	3	1			1			1		3				1	15	transport equipment products	
1201	education/research service			1				1	1			1	1		1	3	1	1	1						1	13	education/research service	
1401	hotel							1						1	1	2	1		1						1	8	hotel	
0116	electric/gas/water service			1							1														1	3	electric/gas/water service	
1601	public office																							1		1	2	public office
0602	forestry			5		6		11	10	10	9	13	11	16	14	11	13	4	2	3	4		1	1		144	forestry	
0801	wholesale			3		5		7	1	4	5	4	6	8	2	5	1	1	1	1	2	1	1			58	wholesale	
0601	agriculture			3				1	1	5	2	1	2		2	2		5	3	1	5	1	3	5		42	agriculture	
0112	metal products			1		3		2	3	3		2	1	1	3	1	5		1	2	1	1	2	1		33	metal products	
0104	wood products			3		3				3		1		1	1	1		1		1		1		1		17	wood products	
0110	steel making					2				1	1		1		2		2	1			1	2	1			14	steel making	
0108	chemical products			1				2	1			1			1	1	1		1							9	chemical products	
1302	social welfare facility			1				1						2		1								1	1		8	social welfare facility
0501	land cargo handling service					1		2				1	1	1											1		7	land cargo handling service
0101	food products			1							2			2		1											6	food products
0203	other mining							1				1				2						1	1				6	other mining
0502	harbor transportation service					1			1						1	1									1		6	harbor transportation service
0404	other transportation service								2			1			1						1						5	other transportation service



040301	general truck transportation service			7		7		2	13	12	5	7	6	9	7	4	8	4	5	3	7	1	6	3	5	121	general truck transportation service
140301	golf course			10		1		11	3	6	2	6	3	5	6	5	7	3	8		2	3		4	5	90	golf course
030202	wooden house construction work			19		14		25	26	20	14	20	14	18	19	18	5	6	11	6	5	11	5	9	4	269	wooden house construction work
170209	others			11		14		10	8	7	6	9	7	9	5	9	5	8	6	4	8	3	6	5	4	144	others
010901	cement products			8		6		8	11	4	9	6	6	7	8	6	7	2	5	2	3	2	5	6	4	115	cement products
011701	auto mobile servicing			2		4		4	7		1		1	3	1	3		3	2	3	2	4	1	4	3	48	auto mobile servicing
011702	machine repair			6		3		3	2		1	3	2		2	1	1	1	2		1	1	1	1	3	34	machine repair
030301	electricity/telecommunication work			8		7		10	3	4	4	4	6	2	4	3	6	7	2	3	3	2	4	2	2	86	electricity/telecommunication work
030107	river civil engineering work			4		6		1	5		6	9	4	3	7	5	4	2	4	3	2	2	3	2	2	74	river civil engineering work
030108	sand collapse prevention civil engineering work			9		6		2		2	5	2	1	2	2	5	3	6	3	1	2	3	3	2	2	61	sand collapse prevention civil engineering work
080409	other commerce			5		1		4	3	4	4	3	2	5		4	3	4	1	4	1	2	4		2	56	other commerce
170201	security service			4		1		4	1	1	5	2	4	2	2	3	2	4	3	4	2	1	2	1	2	50	security service
030101	hydroelectric plant construction work			3		3		2			2	1	1	1	2	1		1	1				1		2	21	hydroelectric plant construction work
040101	railroad service							1	1		1					1		1		2	1	1		2	2	13	railroad service
030105	bridge construction work			3		4		3	5	3	2	4		1	3	3	5	1		1	1	1	2	2	1	45	bridge construction work
080209	other retails			3		2		3	4	2	2	2	4		4	1	4	1	2	3	1	3	2	1	1	45	other retails
011301	machine products			2		4		3	3	1	4				1		3	4	4		4		1	2	1	37	machine products
030104	railway construction work			7		1		3	1	2	1		2	1	2	1	1	2		3		1	2	2	1	33	railway construction work
010909	other sand and stone products			1		2		2	1	1	3	1	1	1	2	2	2		1					2	1	23	other sand and stone products
030302	machinery/apparatus setting work			1		1		3		2	2	1		3	2	2				1		1	1	2	1	23	machinery/apparatus setting work
140309	other amusement service			2		1		1	1	1		1	1	2	1	1					1	1		1	1	16	other amusement service
040309	other land cargo transportation service			1		2		1			1	1		1	1					1	1		1		1	12	other land cargo transportation service
120109	other education/research service			1				1	1				1		1	3	1	1	1						1	12	other education/research service
080204	fuel retail			1		1		1		1	1	2				1	1		1						1	11	fuel retail
140101	hotel							1						1	1	2	1		1						1	8	hotel
011502	auto mobile products									1	2	1			1						1				1	7	auto mobile products
020209	other quarrying													1											1	2	other quarrying
160101	public office																					1			1	2	public office
011603	city water service																								1	1	city water service
030110	water supply/sewage construction work			22		20		24	20	15	21	12	19	15	13	14	12	9	7	5	9	4	3	7		251	water supply/sewage construction work
060201	lumbering			4		6		11	5	5	6	6	6	12	9	11	9	2	2	2	3		1	1		101	lumbering
030203	building facility construction work			15		6		9	6	3	5	4	4	4	4	8	5	3	6	2	5	2	1	3		95	building facility construction work
080109	other wholesale			3		4		7	1	3	5	4	6	8	2	5	1	1	1	1	2	1	1			56	other wholesale
060209	other forestry			1					5	5	3	7	5	4	5		4	2		1	1					43	other forestry

060101	agriculture			3				1	1	5	2	1	2		2	2		5	3	1	5	1	3	5		42	agriculture
150103	other waste disposal service			1		3			2	1	3	1	4	1	2	7	2	3	2				1	1		34	other waste disposal service
020201	quarrying			7		3		2	1	2	2	2	2	1		2	1	1	3	1	1		1	1		33	quarrying
011209	other metal products			1		2		2	3	3		2	1	1	3	1	5		1	2	1	1	2	1		32	other metal products
150109	other cleaning and livestock process service			4		2		2		3	2	3		1	4	1				1	1			1		25	other cleaning and livestock process service
030111	port/seaside construction work							3		3	1	3	1	1	1		5	1		2			1	1		23	port/seaside construction work
040302	specific truck transportation service					3		1	2		3	1			1	1		1	2			1	1			17	specific truck transportation service
011709	other manufacturing					1		1	2	1	3			1		2	2	1	1							15	other manufacturing
150101	building maintenance service			2				3	3	2				1	1	1			1					1		15	building maintenance service
010409	other lumber and wood products			3		1				3		1				1		1		1		1		1		13	other lumber and wood products
011009	other steel products					1				1	1		1		2		2	1			1	2	1			13	other steel products
020202	gravel digging			1				1	1								1		1	1	1			1		8	gravel digging
130201	social welfare facility			1				1						2		1			1				1	1		8	social welfare facility
050101	land cargo handling service					1		2				1	1	1										1		7	land cargo handling service
140302	park and amusement park			2								2				2	1									7	park and amusement park
011509	other transport equipment products			2				1	1			1									1					6	other transport equipment products
010899	other chemical products							2	1			1					1									5	other chemical products
020309	other mining							1				1				1					1	1				5	other mining
040409	other transportation service								2			1			1						1					5	other transportation service
050202	port cargo handling service					1			1							1			1					1		5	port cargo handling service
070101	livestock					1			1						1							1		1		5	livestock
010401	lumbering					2								1	1											4	lumbering
080201	all kinds of retail			2				1		1																4	all kinds of retail
010905	other ceramic products									1		1		1												3	other ceramic products
090209	other advertisement and mediator												1		1	1										3	other advertisement and mediator
130101	hospital			1										1	1											3	hospital
130309	other health and hygiene service			1											1							1				3	other health and hygiene service
170101	dispatch service			1											1		1									3	dispatch service
010109	other foods			1										1												2	other foods
010805	plastics products														1				1							2	plastics products
011501	ship building																	1		1						2	ship building
011601	electric utility service			1							1															2	electric utility service
030103	subway construction work							2																		2	subway construction work
040102	water transportation service															1								1		2	water transportation service
080101	all kinds of wholesale					1				1																2	all kinds of wholesale
080202	auto mobile retail							1											1							2	auto mobile retail
140201	general restaurant			1												1										2	general restaurant







