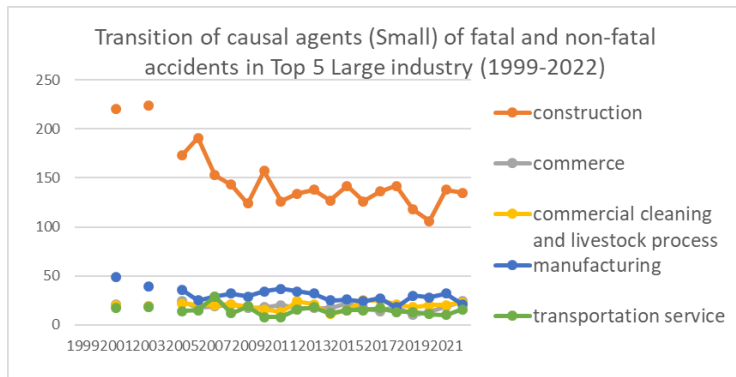
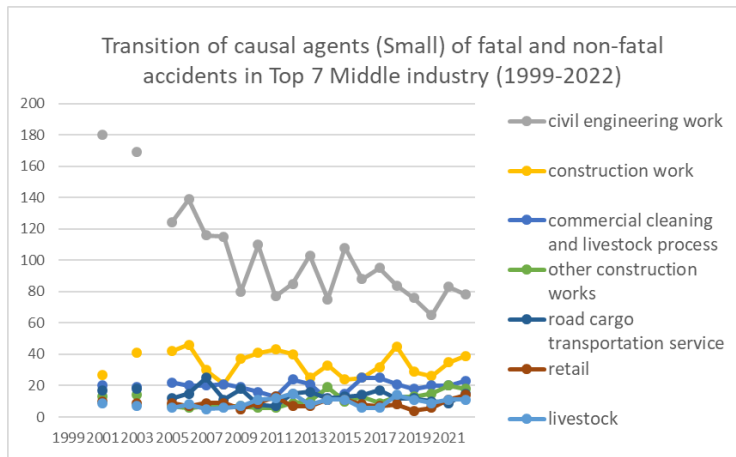


Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 141 leveling, transporting or loading machine (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 141 leveling, transporting or loading machine in Large industry (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 141 leveling, transporting or loading machine in Middle Industry (1999-2022)

0301	civil engineering work			180		169		124	139	116	115	80	110	77	85	103	75	108	88	95	84	76	65	83	78	2,050	work
0302	construction work			27		41		42	46	30	21	37	41	43	40	25	33	24	25	32	45	29	26	35	39	681	construction work
1501	commercial cleaning and livestock process			20		19		22	20	20	21	19	16	13	24	21	11	15	25	25	21	18	20	20	23	393	commercial cleaning and livestock process
0303	other construction works			13		14		7	6	7	7	7	6	6	9	10	19	10	13	9	13	13	15	20	18	222	other construction works
0403	road cargo transportation service			17		18		12	15	25	11	18	8	7	15	16	12	13	14	17	12	12	10	9	15	276	road cargo transportation service
0802	retail			10		9		9	7	9	9	5	9	13	7	7	11	11	8	7	8	4	6	11	14	174	retail
0701	livestock			9		7		6	8	5	6	7	11	12	15	8	11	11	6	6	14	11	9	11	11	184	livestock
0202	quarrying			34		15		23	17	13	9	11	11	12	8	9	9	8	4	12	11	8	15	14	10	253	quarrying
1702	others			15		19		22	16	11	19	11	13	17	15	11	9	14	8	13	10	6	14	7	9	259	others
0801	wholesale			7		4		6	4	3	5	6	4	4	4	4	2	6	3	1	3	3	2	2	8	81	wholesale
0117	other manufacturing			12		14		12	9	7	15	6	5	13	9	8	10	10	8	11	10	7	10	9	6	191	other manufacturing
0109	sand and stone products			12		11		13	7	9	7	5	12	13	12	13	6	8	9	6	1	7	4	10	5	170	sand and stone products
0601	agriculture			2		1		1	3	6	2	4	8	3	6	6	4	5	6	6	9	6	5	7	4	94	agriculture
1403	other amusement service			6		3		3	6	9	8	6	2	6	2	6	4	5	4		5	2	6	3	4	90	other amusement service
0110	steel making			2		3		3	1		2	3	2	1	4	2	1	2	3	2	2	1	3	1	3	41	steel making
0602	forestry			8		10		9	10	4	11	8	5	9	9	6	4	1	7	2	6	8	1	3	2	123	forestry
0804	other commerce			4		6		9	7	7	7	6	5	3	6	6	4	5	6	6	8	3	5	6	2	111	other commerce
0113	machine products			2		3		1	1				1	2	2	4	1			2	1	3		1	2	26	machine products
0101	food products							2	1	3	1	4	2	1						1	1		3	1		22	food products
0502	harbor transportation service			2		2		4	3	2	6	2	4	1	2	3	1	3	3	6	3	1	4	8	1	61	harbor transportation service
0108	chemical products			9		3		1		1	2	6	2	3	2		3	3		2		4		5	1	47	chemical products
1201	education/research service					1		3		2	1	1			1	1		2	1		3	1		3	1	21	education/research service
0106	pulp/paper processing products			2						1		1	2		2		1						2		1	12	pulp/paper processing products
0111	nonferrous metal making			2		2								1		1		1					2	1		11	nonferrous metal making
0402	road passenger transport service							2		1	1				1	1		1	1			1			1	10	road passenger transport service
1302	social welfare facility									1				1	1		1		1		2	1			1	9	social welfare facility
0104	wood products			2		1		1	2	5	3	1	2	1	2	2	2	1	3		1	3	3	4		39	wood products
0112	metal products			4		1		3	1	1	2	1	4	2	1	2				2	1		2	1		28	metal products
0501	land cargo handling service			2		3		1	2		2			1	2			2	1	3				1		20	land cargo handling service
1401	hotel					1			1	2	2		2	1		1		1		1	1	1	3			17	hotel
1301	medical treatment service			1					11											1						13	medical treatment service
0115	transport equipment products			2		1			2	2		2	1					1						1		12	transport equipment products

030109	land consolidation civil engineering work			18		21		14	19	14	15	7	4	6	4	6	9	11	6	10	2	8	6	6	10	196	land consolidation civil engineering work	
080109	other wholesale			5		4		5	3	3	5	6	4	4	4	4	2	6	3	1	3	3	2	2	8	77	other wholesale	
030110	water supply/sewage construction work			29		23		12	20	15	9	13	8	9	11	5	7	10	11	9	6	5	7	5	7	221	water supply/sewage construction work	
030107	river civil engineering work			6		6		13	12	9	4	5	9	3	5	8	2	5	6	4	2	7	7	3	7	123	river civil engineering work	
080209	other retails			4		5		4	3	3	4	3	5	9	5	2	9	8	2	4	7	1	4	10	7	99	other retails	
170201	security service			9		10		17	10	9	10	8	7	15	8	7	5	7	5	8	4	3	7	4	6	159	security service	
030202	wooden house construction work			6		6		11	8	7	3	8	1	13	4	3	8	2	5	4	10	3	4	6	6	118	wooden house construction work	
020201	quarrying			16		9		13	11	10	6	6	5	7	5	5	5	5	1	9	3	4	7	10	5	142	quarrying	
020202	gravel digging			14		5		9	6	3	2	4	5	4	3	4	4	3	2	3	8	3	8	4	5	99	gravel digging	
080204	fuel retail			6		4		2	3	5	5	1	3	2	2	2	2	1	5	3	1	3	2	1	5	58	fuel retail	
010901	cement products			9		5		7	4	2	5	2	10	5	7	8	3	6	4	6	1	6	1	5	4	100	cement products	
060101	agriculture			2		1		1	3	6	2	4	8	3	6	6	4	5	6	6	9	6	5	7	4	94	agriculture	
170209	others			6		9		5	6	2	9	3	5	2	7	4	4	7	3	5	6	3	7	3	3	99	others	
140301	golf course			5		1		3	6	8	5	6	2	5	2	5	4	3	2		4	2	4	3	3	73	golf course	
150103	other waste disposal service			4		3		5	1	2	2	4	2	2	5	4	1		3	5	7	2	4	2	3	61	other waste disposal service	
030301	electricity/telecommunication work			2				1	1							2	1				2		1	1	1	3	16	electricity/telecommunication work
080409	other commerce			4		6		9	7	7	7	6	5	3	6	6	4	4	6	6	8	3	5	5	2	109	other commerce	
060201	lumbering			6		9		5	8	1	6	7	4	6	9	5	2		2	2	5	2	1	2	2	84	lumbering	
011702	machine repair			4		7		4	2	2	7	2	1	8	4	2	6	5	2	5	6	4	3	5	2	81	machine repair	
011701	auto mobile servicing			4		4		4	3	4	6	3	3	3	3	2	3	1	2	4	3	2	4		2	60	auto mobile servicing	
011709	other manufacturing			4		3		4	4	1	2	1	1	1	2	4	1	4	4	2	1	1	3	4	2	49	other manufacturing	
030203	building facility construction work			3				3	2		2	1	3	2	1	2	3	2	2	3	2		2	2	2	37	building facility construction work	
011301	machine products			2		3		1	1					1	2	2	3	1			2	1	3		1	25	machine products	
011001	steel/iron/rolling products					1		2			2	2	1		4	1	1	1		2			1	1	2	21	steel/iron/rolling products	
030111	port/seaside construction work			1				2		2	2		1			2	1		2	2			1	1	2	19	port/seaside construction work	
040302	specific truck transportation service			2				2	1	3	1			2			1	2			1				2	17	specific truck transportation service	
010109	other foods							1		2	1	1	1	1					1	1					2	11	other foods	
150101	building maintenance service					1		1		2				1		1				1			1	1	2	11	building maintenance service	
010909	other sand and stone products			3		6		6	3	7	2	3	2	7	5	4	3	2	5			1	3	4	1	67	other sand and stone products	
030108	sand collapse prevention civil engineering work			5		3		3	3	8	4		4	1	3	2	1	3	3	1	1	4		1	1	51	sand collapse prevention civil engineering work	
050202	port cargo handling service			2				2	2	2	4	2	3		2	2		3	2	2	2	1	4	3	1	39	port cargo handling service	
030105	bridge construction work			2		2			1	3	1	3	1	1	1	3	1	4	1	3			1		1	29	bridge construction work	
150109	other cleaning and livestock process service			1		3		1	4	2	1	1		1	2	2	1		1			1	1	1	1	24	other cleaning and livestock process service	
030102	tunnel construction work					3		1	1	2	1	1	1		1		1	2	5		1		1		1	22	tunnel construction work	
011009	other steel products			1		2		1					1	1	1		1	1	3			2	1	2		1	18	other steel products

040309	other land cargo transportation service							2	3	1	4		1	1					2	1			1	16	other land cargo transportation service	
140309	other amusement service				2				1	1			1		1		2	1		1		2		1	13	other amusement service
010809	chemical fertilizer products			2		2					2	1	1			1				1		1	1	1	12	chemical fertilizer products
030302	machinery/apparatus setting work			1		1				1	2					2	1					1	1	1	11	machinery/apparatus setting work
080202	auto mobile retail					1	1	1		1				3		1	1							1	11	auto mobile retail
120109	other education/research service					1		2		1				1			1		1	1		1	1	1	10	other education/research service
010601	pulp/paper							1		1	2		1		1						2		1	9	pulp/paper	
130201	social welfare facility							1				1	1		1		1		2	1			1	9	social welfare facility	
040202	bus service					1							1	1		1	1						1	6	bus service	
011109	other nonferrous metal products			1		1										1						1	1	5	other nonferrous metal products	
080205	newspaper retail						2						1										1	4	newspaper retail	
150105	livestock process service										1	1											1	3	livestock process service	
060209	other forestry			2		1		4	2	3	5	1	1	3		1	2	1	5		1	6		1	39	other forestry
011209	other metal products			4		1		3	1	1	2	1	4	2	1	2				2	1		2	1	28	other metal products
010409	other lumber and wood products			1		1			1	3	1	1		1	1		1		2		1	2	2	2	20	other lumber and wood products
050101	land cargo handling service			2		3		1	2		2			1	2			2	1	3			1	20	land cargo handling service	
010401	lumbering			1			1	1	2	2		2		1	2	1	1	1			1	1	2	19	lumbering	
010804	petroleum/coal products			5		1				1		1	1	1	1		1	2				1	4	19	petroleum/coal products	
050201	general harbor transportation service					2		1	1		2		1			1		1	3	1			4	17	general harbor transportation service	
140101	hotel					1			1	2	2		2	1		1		1	1	1	1	3		17	hotel	
130101	hospital			1					11									1						13	hospital	
020209	other quarrying			4		1		1			1	1	1	1			1			1		1		12	other quarrying	
120101	auto mobile practical training					1		2			1			1			2			2			2	11	auto mobile practical training	
010899	other chemical products						1			1	1		1	1		1		2		1				9	other chemical products	
020309	other mining						3	1	1				2			1		1						9	other mining	
030104	railway construction work						1			1		1	1	1	1					1	1		1	9	railway construction work	
010101	meat/dairy products							1				3	1								2	1		8	meat/dairy products	
070201	fishery											1	1	1				2				2	1	8	fishery	
030101	hydroelectric plant construction work			1		1			2			1						1		1				7	hydroelectric plant construction work	
011101	nonferrous metals/rolling products			1		1							1		1						2			6	nonferrous metals/rolling products	
011509	other transport equipment products			1						2		2									1			6	other transport equipment products	
040101	railroad service										1		1						1		1	1		5	railroad service	
040409	other transportation service									3					1		1							5	other transportation service	
050209	other harbor transportation service							1					1			1			1			1		5	other harbor transportation service	

