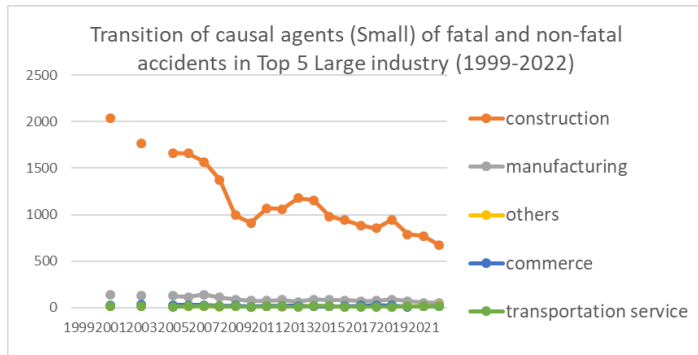
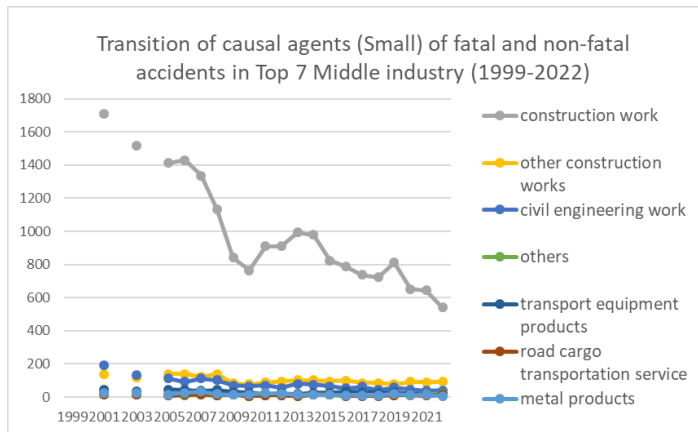


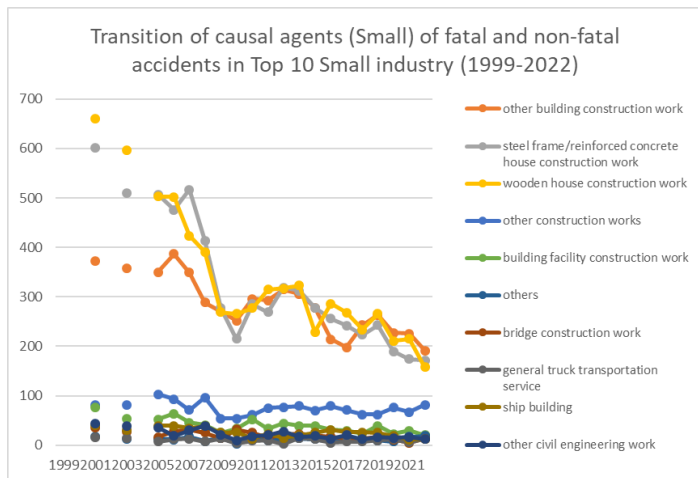
Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 411 scaffolding (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 411 scaffolding in Large industry (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 411 scaffolding in Middle Industry (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 411 scaffolding in Small Industry (1999-2022)

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 411 scaffolding 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	
03	construction			2,038		1,766		1,664	1,659	1,569	1,376	995	910	1,069	1,060	1,177	1,155	982	940	886	853	946	788	772	674	23,279	construction	
01	manufacturing			140		134		127	114	139	112	90	74	74	85	63	87	82	80	72	77	90	69	54	54	1,817	manufacturing	
17	others			20		14		15	13	19	9	18	5	12	10	13	17	13	10	15	17	10	12	18	22	282	others	
08	commerce			23		32		29	28	26	20	21	10	17	17	19	13	15	16	23	25	22	10	13	17	396	commerce	
04	transportation service			19		20		10	16	20	13	15	7	15	12	4	19	18	7	8	7	11	14	12	14	261	transportation service	
13	health and hygiene service			1		2		3	2	6	1	2	4	2	6	2	4	7	6	4	6	3	3	5	7	76	health and hygiene service	
15	commercial cleaning and livestock process			23		29		24	23	25	27	21	19	18	21	17	12	20	17	8	23	13	13	12	6	371	commercial cleaning and livestock process	
06	agriculture			8		5		5	8	5	3	2	4	1	4	2	5	3	1	2	4	5	2	3	6	78	agriculture	
14	hotel/restaurant/amusement service			10		16		8	4	10	8	11	5	6	4	9	10	6	6	3	2	4		5	3	130	hotel/restaurant/amusement service	
05	cargo handling service			5		5		6	1	5	1	1	3		3	2	3			3	3	3	2	4	2	52	cargo handling service	
09	financial business/advertisement					4		2		2	1		1	3	3	3		2	1	2				1	2	27	financial business/advertisement	
12	education/research service			1				1	3	1	3	1	3		1	1	1	1	4	1	1	1	1		2	27	education/research service	
07	livestock/fishery			3		4		5	4	3	1	2	4	2	4	3	1	1	1	1	3	4	2	2	1	51	livestock/fishery	
10	movie/play service			1				3	2	1	1	2	1		1	2	2	1	1	1	1			3	1	26	movie/play service	
11	telecommunication service					2				2		1		2	1			1	1	1				1	2	1	15	telecommunication service
16	public office							1	1	1	1					1								1	1	7	public office	
02	mining			4		2		2	3	4	3		3	3	2		3	2	2		1	2	2	2		40	mining	
	total			2,296		2,035		1,905	1,881	1,838	1,580	1,182	1,053	1,224	1,234	1,318	1,332	1,154	1,093	1,030	1,023	1,116	920	908	813	26,935	total	

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 411 scaffolding 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
0302	construction work			1,710		1,517		1,412	1,429	1,336	1,135	842	766	910	910	995	980	824	787	737	724	811	651	644	541	19,661	construction work
0303	other construction works			138		118		139	138	122	139	82	78	88	94	102	101	94	100	86	86	78	92	89	92	2,056	other construction works
0301	civil engineering work			190		131		113	92	111	102	71	66	71	56	80	74	64	53	63	43	57	45	39	41	1,562	civil engineering work
1702	others			20		14		15	12	19	9	18	5	12	10	13	17	13	9	15	17	10	10	18	22	278	others
0115	transport equipment products			45		35		45	42	39	42	30	26	15	24	19	26	27	32	30	26	28	22	14	13	580	transport equipment products
0403	road cargo transportation service			17		16		8	13	16	10	15	4	11	10	3	16	16	5	7	7	11	13	9	13	220	road cargo transportation service
0112	metal products			26		26		15	25	33	18	14	16	23	22	14	15	13	12	10	12	19	14	14	7	348	metal products
0802	retail			11		21		15	14	16	10	8	4	7	8	8	6	9	9	9	15	14	3	9	7	203	retail
0117	other manufacturing			11		11		17	9	11	9	6	5	8	5	4	8	3	4	3	10	9	5	2	7	147	other manufacturing
0804	other commerce			11		8		7	9	7	7	8	2	2	6	6	4	3	3	6	7	3	4	1	7	111	other commerce
1302	social welfare facility					1		1		3	1	2	1	1	3	1	3	5	4	2	5	2	2	3	7	47	social welfare facility
1501	commercial cleaning and livestock process			23		29		24	23	25	27	21	19	18	21	17	12	20	17	8	23	13	13	12	6	371	commercial cleaning and livestock process
0113	machine products			15		8		11	7	10	14	10	6	6	7	3	8	6	9	9	3	3	9	3	6	153	machine products
0601	agriculture			5		5		5	6	5	2	2	4	1	3	2	3	3	1	1	2	3	1	3	5	62	agriculture
0101	food products			8		10		6	8	4	3	7	4	4	6	3	5	8	12	6	3	6	2	6	4	115	food products

0110	steel making					2		3	4	4	1	2	2	2	1	2		3	1	3	1	1			4	36	steel making
0109	sand and stone products			23		18		11	8	15	14	8	3	4	4	6	10	6	5	2	9	4	8	4	3	165	sand and stone products
0801	wholesale			1		3		7	5	3	3	5	4	8	3	5	3	3	4	8	3	5	3	3	3	82	wholesale
0108	chemical products			4		4		3	5	4	6	2	4	5	3	6	3	3	2	5	4	5	2	2	2	74	chemical products
0114	electrical equipment products					5		4	1	3	1	1	1	1	2			3	2	2	1	2	1	2	2	34	electrical equipment products
1201	education/research service			1				1	3	1	3	1	3		1	1	1	1	4	1	1	1	1		2	27	education/research service
0107	printing/bookbinding								1		1			2		1	1				1				2	9	printing/bookbinding
0104	wood products			3		7		4	1	10	3	4	1	5	4	4	5	6			6	6	3	1	1	74	wood products
1401	hotel			5		7		4	3	3	3	6	2	3	2	2	7	2	2		2		1	1	55	hotel	
1403	other amusement service			5		4		3	1	5	5	3	3	1	1	4	1	3	1	2	2	2		2	1	49	other amusement service
0501	land cargo handling service			3		2		4	1	2		1	2		3	2	2			3	2	2	1	3	1	34	land cargo handling service
1001	movie/play service			1				3	2	1	1	2	1		1	2	2	1	1	1	1	2		3	1	26	movie/play service
1402	restaurant					5		1		2		2		2	1	3	2	1	3	1				2	1	26	restaurant
0106	pulp/paper processing products			2		3		2		1		3	1		1		3			1		3		2	1	23	pulp/paper processing products
0902	advertisement and mediator					3		1		2	1		1	2	2	2		2	1	2				1	1	21	advertisement and mediator
0702	fishery					3		2	2	1				1	1	2	1	1	1		2	1		1	1	20	fishery
0105	furniture			2		1		4	1	2		2					1	1			1	2		1	1	19	furniture
0402	road passenger transport service					1		2	2	2	1		2	2	2		1		1					1	1	18	road passenger transport service
0502	harbor transportation service			2		3		2		3	1		1				1				1	1	1	1	1	18	harbor transportation service
0602	forestry			3					2		1				1		2			1	2	2	1		1	16	forestry
1101	telecommunication service					2				2		1		2	1			1	1	1			1	2	1	15	telecommunication service
0111	nonferrous metal making							1	1								1	1			1				1	7	nonferrous metal making
1601	public office							1	1	1	1					1								1		7	public office
0901	financial business					1		1						1	1	1									1	6	financial business
0202	quarrying			4		2		2	3	4	2		3	3	2		3	2	2		1	2	2	2		39	quarrying
0701	livestock			3		1		3	2	2	1	2	4	1	3	1				1	1	3	2	1		31	livestock
0401	railroad/water transportation/airline service			2		3			1	2	2		1	2		1	2	1	1	1			1	2		22	railroad/water transportation/airline service
1301	medical treatment service			1				2	2	3			2	1	2	1		2		1	1	1	1	2		22	medical treatment service
0116	electric/gas/water service			1		1		1	2	2			2	1	1	1								2		14	electric/gas/water service
0102	textile products					1					1		1		1	1	1	1			1	2	1			11	textile products
0103	fiber products					2							2		1		1			1			1			8	fiber products
1303	other health and hygiene service					1							1		1		1		2	1						7	other health and hygiene service



030110	water supply/sewage construction work			9		5		7	4	4	1	1	3	2	1	3	4	2		4	2	2	4	2	2	62	water supply/sewage construction work
010109	other foods			1		5		3	3	2	2	3		1	3	1	2	6	6			2	2	3	2	47	other foods
010805	plastics products			1		1			3		2		1	4	2	3		2	2	2	1	2	1	1	2	30	plastics products
120109	other education/research service			1				1	2	1	3	1	3		1	1	1	1	4	1	1		1		2	25	other education/research service
080401	warehousing					2		2	1	1	2	1			2	1			1	1			1		2	17	warehousing
011009	other steel products					2		1	2	2		1	2			1				1					2	15	other steel products
010701	printing service								1			1			1		1								2	7	printing service
011002	casting products							1						1				1	1				1		2	7	casting products
030109	land consolidation civil engineering work			8		6		11	8	7	5	6	1	3	1	5	1	4	3	3	1	2	3	2	1	81	land consolidation civil engineering work
030111	port/seaside construction work			8		4		6	2	4	3	2	4	2	1	5	6	4	3	6	1	5	3	1	1	71	port/seaside construction work
140101	hotel			5		7		4	3	3	3	6	2	3	2	2	7	2	2			2		1	1	55	hotel
150109	other cleaning and livestock process service			4		4		10	2	3	3	2	1	3	2	4		7	1		3	1	2		1	53	other cleaning and livestock process service
010401	lumbering			2		3		4		7	3	3		4	2	1	3	4			4	3	2		1	46	lumbering
030102	tunnel construction work			4		3		2	2	2	4	1	1	5	3		2		2	2		2		1	1	37	tunnel construction work
010909	other sand and stone products			5		3		4		2	5	2		2		2			1	1	2	2	1	1	35	other sand and stone products	
011702	machine repair			1		2		6	2	5	1	2	1	1	2	1	3	3		2	1	1			1	35	machine repair
030104	railway construction work			7		4		3		5		3	1	2	1	2	1			1	1	1	1	1	1	35	railway construction work
050101	land cargo handling service			3		2		4	1	2		1	2		3	2	2			3	2	2	1	3	1	34	land cargo handling service
090209	other advertisement and mediator					3		1		2	1		1	2	2	2		2	1	2				1	1	21	other advertisement and mediator
030101	hydroelectric plant construction work			3		1			2					2		1	2	1	1	2		1	3	1	20	hydroelectric plant construction work	
100109	other movie/play service							2	2		1	2	1			1	1			1	1	2		3	1	18	other movie/play service
011509	other transport equipment products			1				1		2	1	3		1		2				1			3		1	16	other transport equipment products
080204	fuel retail			1		2		2	2	1	1					1	1	1		1	1	1		1	16	fuel retail	
110101	telecommunication service					2			2		1		2	1			1	1	1				1	2	1	15	telecommunication service
050202	port cargo handling service			2		1		1		1	1		1			1					1	1	1	1	1	13	port cargo handling service
080205	newspaper retail							2		1	1			2	2						2			1	1	12	newspaper retail
040202	bus service							1	1	1	1		2	1	1			1						1	1	11	bus service
060201	lumbering			1				1		1						1				1	2	2	1		1	11	lumbering
140301	golf course			1					1	1	1	1		1	1			1			1		1	1	1	11	golf course
070209	other fishery					3		2					1		1		1							1	1	10	other fishery
010104	bread/cake products			1							1	1			1			1	2		1			1	9	bread/cake products	
010509	other furniture							2			2					1					2			1	8	other furniture	
011203	metal press products							1		2	1			1	1									1	1	8	metal press products
011402	electrical appliance							2		1				1			1					1			1	7	electrical appliance
160101	public office							1	1	1	1				1								1		1	7	public office
140209	other restaurants														1	1		1						1	1	5	other restaurants
010106	soft drinks												1			1			1						1	4	soft drinks



011601	electric utility service			1				2	1			1			1						1		7	electric utility service	
100101	movie production and delivery service			1					1				1	1	1	1	1							7	movie production and delivery service
010309	other fiber products					2						2		1								1		6	other fiber products
010501	wood furniture			1		1			2						1									6	wood furniture
010905	other ceramic products			3					1	2														6	other ceramic products
010103	agricultural food products							1							1		2	1						5	agricultural food products
010503	fittings			1				1	1									1				1		5	fittings
010602	paper processing products						2								1				1			1		5	paper processing products
040102	water transportation service					1							1		1		1	1						5	water transportation service
040303	cargo/ light automobile transportation service					2		1		1					1									5	cargo/ light automobile transportation service
060209	other forestry			2				1						1		1								5	other forestry
140302	park and amusement park			1					1			1						2						5	park and amusement park
010209	other textile products									1						1					1	1		4	other textile products
010904	fire resisting products					1		1							2									4	fire resisting products
011602	city gas service								1			1	1	1										4	city gas service
020209	other quarrying			2						1												1		4	other quarrying
040103	airline service					1			1	1						1								4	airline service
040201	taxi service					1		1		1					1									4	taxi service
080102	furniture/fittings wholesale								1				1	1								1		4	furniture/fittings wholesale
130309	other health and hygiene service											1					2	1						4	other health and hygiene service
170101	dispatch service							1									1					2		4	dispatch service
010203	weaving											1			1						1			3	weaving
010802	chemical fiber					1						1			1									3	chemical fiber
010803	pharmaceuticals								1	1								1						3	pharmaceuticals
011603	city water service					1		1															1	3	city water service
011703	cleaning							2														1		3	cleaning
040209	other passenger transport service								1					1			1							3	other passenger transport service
050201	general harbor transportation service					2				1														3	general harbor transportation service
130301	bathroom					1								1		1								3	bathroom
150105	livestock process service											1					1		1					3	livestock process service
010204	dyeing					1																1		2	dyeing
010301	over/under wear														1			1						2	over/under wear
010709	other printing and bookbinding													1								1		2	other printing and bookbinding
010809	chemical fertilizer products										1				1									2	chemical fertilizer products
011101	nonferrous metals/rolling products								1										1					2	nonferrous metals/rolling products
050209	other harbor transportation service								1		1													2	other harbor transportation service
090109	other financial business													1										2	other financial business
130102	general clinic																1					1		2	general clinic

