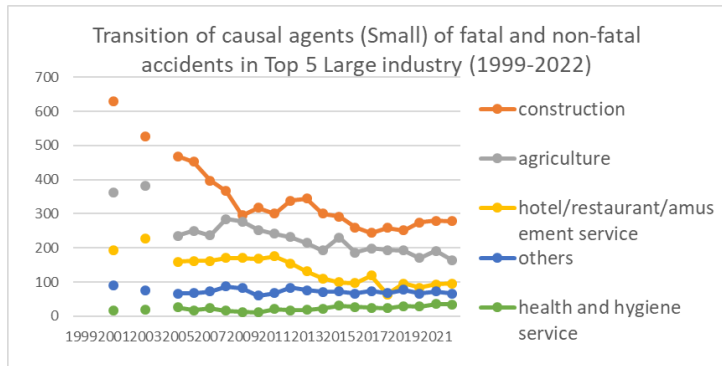
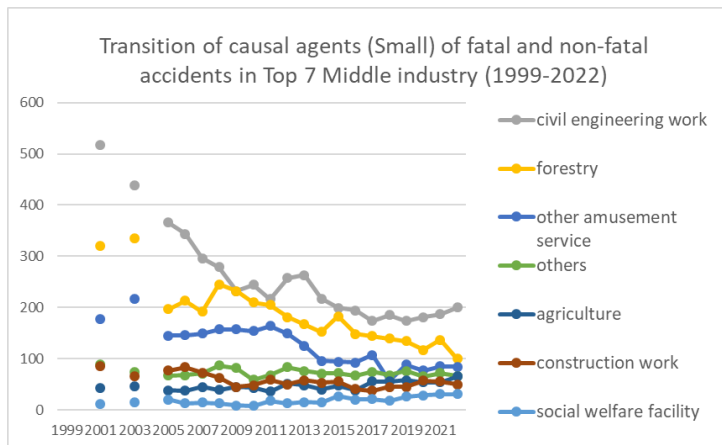


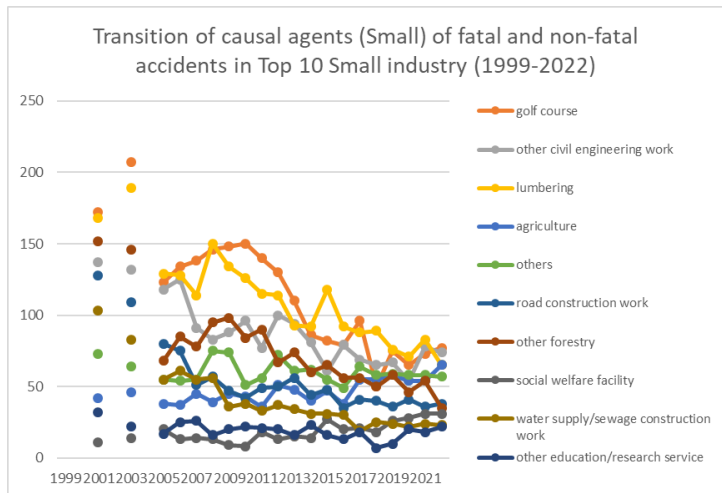
Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 711 natural ground, rock (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 711 natural ground, rock in Large industry (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 711 natural ground, rock in Middle Industry (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 711 natural ground, rock in Small Industry (1999-2022)

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 711 natural ground, rock 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			629		527		468	452	397	367	295	318	300	338	345	301	292	260	244	259	251	275	280	278	6,876	construction
06	agriculture			362		381		235	250	237	284	277	253	241	232	215	192	230	186	199	194	192	171	191	165	4,687	agriculture
14	hotel/restaurant/amusement service			194		228		159	162	162	170	171	168	176	155	131	110	100	97	119	64	96	84	93	96	2,735	hotel/restaurant/amusement service
17	others			90		76		67	68	72	87	82	60	68	84	76	71	73	67	74	68	77	67	73	66	1,466	others
13	health and hygiene service			17		20		26	18	24	16	12	11	21	18	19	22	31	27	25	24	30	29	36	34	460	health and hygiene service
08	commerce			50		29		49	32	27	28	20	22	23	25	22	23	26	26	26	23	32	28	12	28	551	commerce
01	manufacturing			33		34		32	40	34	31	17	29	22	26	22	17	24	24	17	35	22	25	19	26	529	manufacturing
12	education/research service			33		23		17	25	26	16	21	23	22	20	16	23	16	13	18	8	10	20	18	23	391	education/research service
04	transportation service			42		30		29	30	32	39	21	22	33	20	32	21	27	26	26	36	27	23	19	15	550	transportation service
02	mining			26		23		15	19	12	12	12	12	13	11	10	13	14	3	10	5	8	14	5	10	247	mining
15	commercial cleaning and livestock process			30		29		28	24	28	24	22	24	20	18	21	20	23	10	23	16	23	17	18	7	425	commercial cleaning and livestock process
07	livestock/fishery			4		12		7	7	6	5	3	4	6	2		7	6	3	3	3	6	4	4	4	96	livestock/fishery
11	telecommunication service			1		1		13	9	6	12	7	5	6	6	5	4	3	4	5	5	4	7	1	2	106	telecommunication service
09	financial business/advertisement			6		3		1	6	3		1	2	3	4	1	2	4	1	5	2	5	2	4	2	57	financial business/advertisement
16	public office			9		4		3	8	3	2	2	2	6	4	2	4	1	3	1	2	1	4	3	1	65	public office
05	cargo handling service					2		2	2	1	1	1		2	1		1		1	1	1	1	2	1	1	21	cargo handling service
10	movie/play service			1		2			1	1	1	2	1	1			2	3		1		1	1			18	movie/play service
	total			1,527		1,424		1,151	1,153	1,071	1,095	966	956	963	964	917	833	873	751	797	745	786	773	777	758	19,280	total

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 711 natural ground, rock 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
0301	civil engineering work			517		439		366	344	296	279	232	244	216	257	263	217	199	194	174	185	174	181	187	200	5,164	civil engineering work
0602	forestry			320		335		197	213	192	245	232	210	205	181	167	152	183	148	144	139	134	117	137	100	3,751	forestry
1403	other amusement service			177		216		145	146	149	157	157	154	164	149	125	96	94	92	107	57	88	77	85	84	2,519	other amusement service
1702	others			89		74		67	68	71	87	82	59	68	83	76	71	72	67	74	68	76	65	72	66	1,455	others
0601	agriculture			42		46		38	37	45	39	45	43	36	51	48	40	47	38	55	55	58	54	54	65	936	agriculture
0302	construction work			85		65		77	83	73	63	45	48	59	50	58	53	55	41	37	45	45	57	55	50	1,144	construction work
1302	social welfare facility			11		14		20	13	14	13	9	8	18	13	15	14	27	20	21	18	26	28	31	31	364	social welfare facility
0303	other construction works			27		23		25	25	28	25	18	26	25	31	24	31	38	25	33	29	32	37	38	28	568	other construction works
1201	education/research service			33		23		17	25	26	16	21	23	22	20	16	23	16	13	18	8	10	20	18	23	391	education/research service
0802	retail			40		22		32	24	19	19	16	14	17	19	17	14	19	18	18	15	22	20	10	20	395	retail
0403	road cargo transportation service			37		25		19	14	24	31	18	17	20	11	19	16	20	19	14	27	18	19	12	13	393	road cargo transportation service
1401	hotel			10		10		12	14	10	11	10	10	11	5	3	14	4	3	12	3	6	6	7	11	172	hotel
0202	quarrying			20		19		14	18	12	10	11	10	13	10	9	13	14	3	10	3	8	13	5	8	223	quarrying

030203	building facility construction work			12		7			11	8	7	8	4	3	9	5	7	3	8	5		4	9	9	2	7	128	building facility construction work	
020201	quarrying			17		16			13	15	7	8	9	8	12	8	8	12	12	2	9	3	5	12	2	6	184	quarrying	
010109	other foods			5		3			1	5	3	3	1	2	6		1	1	3		1	4	4	2	2	6	53	other foods	
080205	newspaper retail			8		7			9	6	8	3	5	6	2	6	6	5	4	3	6	6	6	6	2	5	109	newspaper retail	
010909	other sand and stone products			3		8			2	8	3	5	2	6	3	6	4	2	3	4	2	2	3	4	3	5	78	other sand and stone products	
140309	other amusement service			3		7			17	10	6	10	5	4	18	13	10	7	9	5	8	4	10	8	8	4	166	other amusement service	
080109	other wholesale			2		1			8	3	4	2	2	3	5	4	1	6	1	5	3	4	5	2	2	4	67	other wholesale	
150101	building maintenance service			8		7			11	6	9	5	5	6	8	7	7	12	7	3	8	4	9	4	6	3	135	building maintenance service	
150109	other cleaning and livestock process service			12		7			8	7	6	12	8	7	3	5	3	3	9	4	4	5	8	8	4	3	126	other cleaning and livestock process service	
080409	other commerce			6		3			6	4	3	6	2	5	1	2	4	3	5	3	4	3	5	6		3	74	other commerce	
140302	park and amusement park			2		2			5	2	5	1	4		6	6	5	3	3	8	3	3	3	4	4	3	72	park and amusement park	
030105	bridge construction work			6		6			3	4	2	1	4	2	1	2	9	2	4	2	2	2	2		4	3	61	bridge construction work	
110101	telecommunication service			1		1			13	9	6	12	7	5	6	6	5	4	3	4	5	5	4	7	1	2	106	telecommunication service	
070101	livestock			2		8			5	4	4	3	3	4	4	2		5	3	1	3	3	5	4	3	2	68	livestock	
130101	hospital			4		4			3	2	9	2	2	3	1	3	2	8	2	6	1	4	2		2	2	62	hospital	
011209	other metal products			1		2			1	2	4	2	1	2	3	3		2	1	1	2	2		3	1	2	35	other metal products	
011403	electronics equipment and telecommunications apparatus			2		1			1					1				2	1		1					2	11	electronics equipment and telecommunications apparatus	
020309	other mining					1			1		1						1								1		2	7	other mining
150102	industrial waste management service			3		8			4	5	3	4	6	4	3	5	5	1	3	1	9	5	4	3	5	1	82	industrial waste management service	
160101	public office			9		4			3	8	3	2	2	2	6	4	2	4	1	3	1	2	1	4	3	1	65	public office	
010901	cement products			2		4			5	1	8	3	1	3	1	2	2	1	3	3		2	1	1		1	44	cement products	
140201	general restaurant			7		2			2	2	3	2	4	4	1	1	2		1	2		2	2	1	1	1	40	general restaurant	
040201	taxi service			1		1			3	5	1	1	1	3	1	1	1	1	3		4	5	2	1		1	36	taxi service	
010401	lumbering			2		4			2	8	1	1	1			1	1	1		2	2	1	1	2		1	31	lumbering	
030101	hydroelectric plant construction work			5		1			1		3	6	1	2		1	2	1	3	1			1	1		1	30	hydroelectric plant construction work	
030302	machinery/apparatus setting work					1			1	1	2	2		2	2	3	2	2	3	1	1	1	2		1	1	28	machinery/apparatus setting work	
020202	gravel digging			2		2			1	2	4		1	2		1	1	1	1	1	1		2	1	2	1	26	gravel digging	
040302	specific truck transportation service			3		3				1	4	1	1	2	2		1	1	2	1					3	1	26	specific truck transportation service	
030111	port/seaside construction work			1					2	2	1	2	1	2	1	2	1		1	1		1		4	1	1	24	port/seaside construction work	
011301	machine products			1					2		2	2				4	2	2	2		1	1	2	1		1	23	machine products	
090103	insurance business			2		2			1	2	2		1		1				4		1		4		1	1	22	insurance business	
030104	railway construction work			1		1			1	2	1	1	1		1	1	1	1	2				2	1		1	18	railway construction work	
011709	other manufacturing			2					1	1		1	1	1	1			1	1	1		2	1	1	1	1	17	other manufacturing	
070201	fishery			2		1				2	1	1			1			2	3	1			1		1	1	17	fishery	
010103	agricultural food products								1	3	1	1		3	1	1	1		1	1	1					1	16	agricultural food products	

050101	land cargo handling service					2		1	1	1	1			2			1		1	1	1	1	2		1	16	land cargo handling service		
011502	auto mobile products			1					1				1	1	1					7	1	1			1	15	auto mobile products		
020209	other quarrying			1		1			1	1	2	1		1	1					1		1	1		1	13	other quarrying		
070209	other fishery					3		2	1	1	1			1											1	11	other fishery		
090201	traveling service			1					2								1		1	1				1	2	1	10	traveling service	
120101	auto mobile practical training			1		1						1	1	1												1	7	auto mobile practical training	
011409	other electrical equipment							1			1													1		1	6	other electrical equipment	
011603	city water service					1		1				1	1													1	6	city water service	
011305	other precision machine products							1					2				1									1	5	other precision machine products	
130102	general clinic			1						1	1			1												1	5	general clinic	
010105	alcoholic drinks									1																1	3	alcoholic drinks	
010803	pharmaceuticals							1					1													1	3	pharmaceuticals	
040209	other passenger transport service													1											1	1	3	other passenger transport service	
080102	furniture/fittings wholesale																									1	1	furniture/fittings wholesale	
150103	other waste disposal service			7		6		5	6	10	3	3	6	6	1	6	4	4	2	2	2	2	2	2	3		80	other waste disposal service	
040101	railroad service			3		2		2	4	4	4	2	2	7	4	8	2	2	2	4		4	1	5			62	railroad service	
080204	fuel retail			7		4		6	1	3	1	1	1	2	2	5	1	4	2	2	2	2	2				48	fuel retail	
011601	electric utility service			3		1		2	3		2	1		1		3	2	1	2	2		4	3	2			32	electric utility service	
080201	all kinds of retail			9		2		6	1	1	2	3		2	1									1	1			32	all kinds of retail
040202	bus service					1		3	5	1	2			1	2	1	1	2	1	3	2	2	1	1			29	bus service	
011701	auto mobile servicing			1		1		2		1	2	1			3	2		2	2	1		1	1	1			21	auto mobile servicing	
040309	other land cargo transportation service			2		2		1		2	2	2	2				1	1	3	1		1					20	other land cargo transportation service	
090209	other advertisement and mediator			2		1			1	1			1	2	4		1			3	1	1		1			19	other advertisement and mediator	
010409	other lumber and wood products			2		2		1		1	2	2		1	1								2	1			17	other lumber and wood products	
020101	general coal mining			5		1		1			1		1		1								2				12	general coal mining	
040103	airline service			1		1		1	2					2		1				1		1	1		1		12	airline service	
130109	other medical treatment service			1		1		1				1		1	1					1	1	1	1		2		12	other medical treatment service	
010102	fishery products			1		1			3		1						1				3	1					11	fishery products	
080101	all kinds of wholesale			2		3		2	1	1										1	1						11	all kinds of wholesale	
170101	dispatch service			1		2				1			1		1							1	2	1			11	dispatch service	
100101	movie production and delivery service					2			1	1	1	1		1					1		1			1			10	movie production and delivery service	
130301	bathroom							1	1						1	1			1		2		1	1	1		10	bathroom	
040102	water transportation service							1		2						2	1		2	1							9	water transportation service	
100109	other movie/play service			1								1	1				2	2				1					8	other movie/play service	
080202	auto mobile retail			1						1		1		1		1			1		1						7	auto mobile retail	
130309	other health and hygiene service					1		1	2							1				1							7	other health and hygiene service	
170202	information processing								1	3																	7	information processing	

