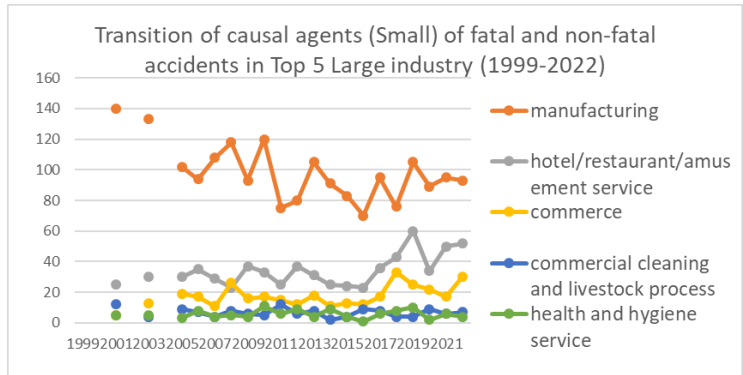
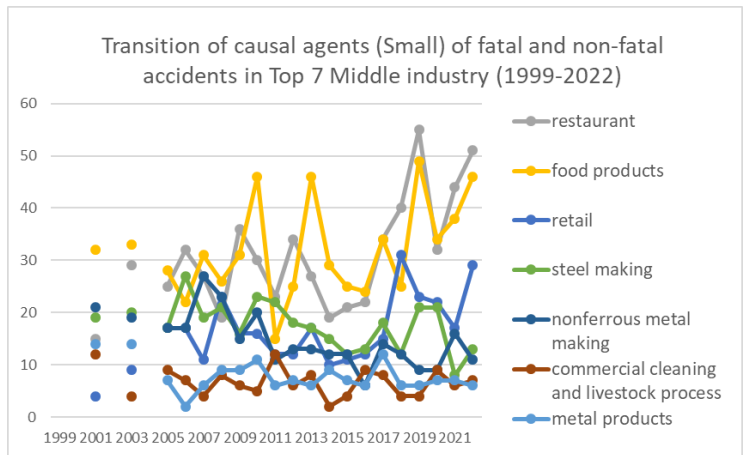


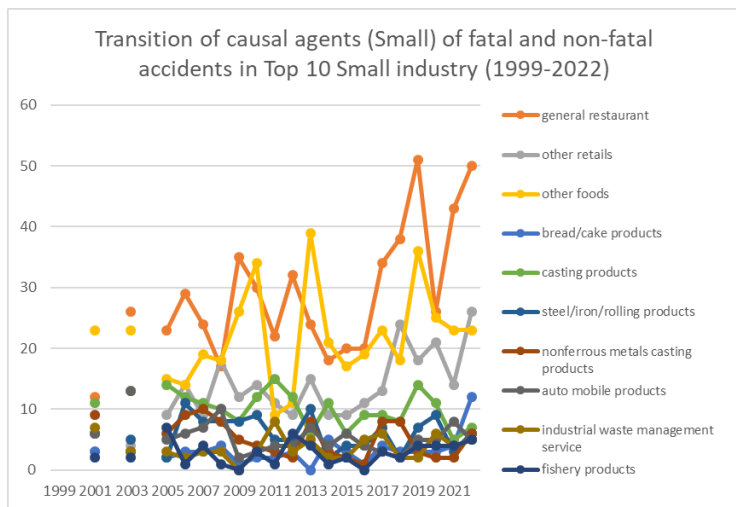
Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 341 kiln, caldron (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 341 kiln, caldron in Large industry (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 341 kiln, caldron in Middle Industry (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 341 kiln, caldron in Small Industry (1999-2022)

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 341 kiln, caldron 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
01	manufacturing			140		133		102	94	108	118	93	120	75	80	105	91	83	70	95	76	105	89	95	93	1,965	manufacturing
14	hotel/restaurant/amusement service			25		30		30	35	29	23	37	33	25	37	31	25	24	23	36	43	60	34	50	52	682	hotel/restaurant/amusement service
08	commerce			5		13		19	17	11	26	16	17	15	12	18	11	13	12	17	33	25	22	17	30	349	commerce
15	commercial cleaning and livestock process			12		4		9	7	4	8	6	5	12	6	8	2	4	9	8	4	4	9	6	7	134	commercial cleaning and livestock process
13	health and hygiene service			5		5		3	8	4	5	4	11	6	9	4	9	4	1	6	8	10	2	6	4	114	health and hygiene service
03	construction			11		12		10	12	8	3	10	7	6	2	5	5	11	3	6	3	8	11	3	2	138	construction
17	others			3		1		3	4	3	1	3		3	3		1	2			3	1	4	1	2	38	others
04	transportation service			1		1		2		1		1			2	2	1	3				1		1	2	18	transportation service
07	livestock/fishery															1									2	3	livestock/fishery
12	education/research service			2		2		3	2	3	1	2		2			1			1						19	education/research service
05	cargo handling service			1		1			1	1																4	cargo handling service
06	agriculture												1					1				1	1			4	agriculture
16	public office					1			2	1																4	public office
02	mining									1								1								2	mining
09	financial business/advertisement											1														1	financial business/advertisement
10	movie/play service																										movie/play service
11	telecommunication service																										telecommunication service
	total			205		203		181	182	174	185	173	194	144	151	174	146	145	119	169	170	215	172	179	194	3,475	total

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 341 kiln, caldron 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			15		29		25	32	27	19	36	30	23	34	27	19	21	22	34	40	55	32	44	51	615	restaurant

0101	food products			32		33		28	22	31	26	31	46	15	25	46	29	25	24	34	25	49	34	38	46	639	food products	
0802	retail			4		9		17	17	11	23	16	16	12	12	17	10	11	12	15	31	23	22	17	29	324	retail	
0110	steel making			19		20		17	27	19	21	16	23	22	18	17	15	12	13	18	12	21	21	8	13	352	steel making	
0111	nonferrous metal making			21		19		17	17	27	23	15	20	11	13	13	12	12	6	14	12	9	9	16	11	297	nonferrous metal making	
1501	commercial cleaning and livestock process			12		4		9	7	4	8	6	5	12	6	8	2	4	9	8	4	4	9	6	7	134	commercial cleaning and livestock process	
0112	metal products			14		14		7	2	6	9	9	11	6	7	6	9	7	6	12	6	6	7	7	6	157	metal products	
0115	transport equipment products			7		15		7	9	7	13	2	3	4	7	8	4	7	5	3	2	6	5	8	5	127	transport equipment products	
0108	chemical products			10		2		5	1	3	7	3	4	4	1	4	6	3	3	2	4	4	4	2	3	75	chemical products	
1302	social welfare facility			2		1		2	4	2	2	2	9	3	8	2	7	2		4	3	5	2	4	3	67	social welfare facility	
0104	wood products			6		5		8	1	2	3	2	1	2	2		1		1	2	1	2			3	42	wood products	
0109	sand and stone products			12		4		4	5	3	4	5	3	5	3	5	5	8	4	2	1	2	1		2	78	sand and stone products	
0113	machine products			5		11		4	1	6	3	1	6	2	2	1	7	6	1	2	4		4	4	2	72	machine products	
0403	road cargo transportation service					1		1		1					2	1		1				1			2	11	road cargo transportation service	
0702	fishery																									2	2	fishery
0303	other construction works			4		7		3	4	5	1	7	5	1	1	3	3	8	3	2	2	6	5	1	1	72	other construction works	
1301	medical treatment service			2		4		1	3	1	3	2	2	3	1	2	2	2	1	2	5	5		2	1	44	medical treatment service	
0117	other manufacturing			6		4		1	1		4	3		3		2	2	1	4	2	2	1	1	5	1	43	other manufacturing	
1401	hotel			2		1		4	2		1		2			4	5	2		1	1	4	2	4	1	36	hotel	
1702	others			3		1		3	4	1	1	3		3	3		1	2			3	1	4	1	1	35	others	
0114	electrical equipment products					3		1	2	1	1	1	1	1	2	2	1	2	1		3	4	2	2	1	31	electrical equipment products	
0301	civil engineering work			1		1			2		1	1		1		1				1			1		1	11	civil engineering work	
0804	other commerce					1								1				1		1					1	5	other commerce	
1701	dispatch service										2														1	3	dispatch service	
0302	construction work			6		4		7	6	3	1	2	2	4	1	1	2	3		3	1	2	5	2		55	construction work	
1403	other amusement service			8				1	1	2	3	1	1	2	3		1	1	1	1	2	1		2		31	other amusement service	
1201	education/research service			2		2		3	2	3	1	2		2			1			1						19	education/research service	
0801	wholesale			1		3		2			3			2		1	1			1	2	2				18	wholesale	
0105	furniture			1		1		1	2	1		2	2							2	3			2		17	furniture	
0102	textile products			3		1		1	2	1	1					1			2	2		1		1		16	textile products	
0106	pulp/paper processing products			1				1	1	1	1	1									1		1			8	pulp/paper processing products	
0401	railroad/water transportation/airline service			1												1	1	2								5	railroad/water transportation/airline service	

011204	metal plating products			2		1		4		3		4	4		3	2	3	3	1	2		1	4	2	4	43	metal plating products	
011101	nonferrous metals/rolling products			9		11		9	4	9	9	8	10	5	7	3	6	9	1	4	2	2	5	6	3	122	nonferrous metals/rolling products	
130201	social welfare facility			2		1		2	4	2	2	2	9	3	8	2	7	2		4	3	5	2	4	3	67	social welfare facility	
080201	all kinds of retail					4		8	3	2	4	4	2	1	3	1	1	2	1	2	7	5	1	3	3	57	all kinds of retail	
010101	meat/dairy products			1		2		1	4	3	1		3		2	2	2	1	1	3	2	2	1	2	3	36	meat/dairy products	
011209	other metal products			10		12		3	2	3	9	4	7	5	3	4	6	4	4	9	5	4	2	5	2	103	other metal products	
011109	other nonferrous metal products			3		5		2	4	8	6	2	6	3	4	2	3	1	4	2	2	4	2	8	2	73	other nonferrous metal products	
010801	non organic or organic chemical products			3		2		1			2	2	2	2				1	1	1	1	1	1		2	22	non organic or organic chemical products	
040301	general truck transportation service					1		1		1		1			2							1			2	9	general truck transportation service	
010106	soft drinks									1	1	1													2	2	7	soft drinks
010402	plywood					1				1											1				2	5	plywood	
011301	machine products			5		10		4	1	5	2	1	5	2	2	1	7	5	1	2	3		3	4	1	64	machine products	
030309	other construction works			3		6		2	2	4	1	2	3	1	1	2	2	7	1	1	1	2	2	1	1	45	other construction works	
140209	other restaurants			3		3		2	3	3	2	1		1	2	3	1	1	2		2	4	6	1	1	41	other restaurants	
130101	hospital					3			3	1	3	2	2	1	1	2	2	2	1	2	5	5		2	1	38	hospital	
140101	hotel			2		1		4	2		1		2			4	5	2		1	1	4	2	4	1	36	hotel	
170209	others			3		1		3	4	1	1	3		3	3		1	2			3	1	4	1	1	35	others	
010902	glass products			2		3		3	1	1	1	1	2	1	1	1		6	1	1	1	1			1	28	glass products	
010103	agricultural food products			2				3			1	2	4	3	3	1		2	2			2		1	1	27	agricultural food products	
010909	other sand and stone products			6					3	2	3	1		2	2	2	2	2				1			1	27	other sand and stone products	
011709	other manufacturing			2		3					2	3		3			2	1	3	2	1	1	1	2	1	27	other manufacturing	
150103	other waste disposal service			1				3	2		3	2	1			1			3		2		2	2	1	23	other waste disposal service	
010401	lumbering			3		2		4		1	1	1						1	2		1				1	17	lumbering	
150101	building maintenance service							1	2		1	1	1	3	1			1		1		2			1	15	building maintenance service	
011403	electronics equipment and telecommunications apparatus					2		1	2					1		1		1			1	2	1	1	1	14	electronics equipment and telecommunications apparatus	
010804	petroleum/coal products							1		1	1					1	1	1			1	1	1		1	10	petroleum/coal products	
080409	other commerce					1								1				1		1					1	5	other commerce	
170101	dispatch service									2															1	3	dispatch service	
011303	optical instruments					1																			1	2	optical instruments	
030109	land consolidation civil engineering work																								1	1	land consolidation civil engineering work	
070201	fishery																								1	1	fishery	
070209	other fishery																								1	1	other fishery	
011009	other steel products			2		2		1	4		3		2	2	1	1	2	2		2	2		1			27	other steel products	
030302	machinery/apparatus setting work			1		1		1	2	1		5	2			1	1	1	2	1	1	4	3			27	machinery/apparatus setting work	
030209	other building construction work			3		2		6	3	1		2	1	2			1	2		2			1			26	other building construction work	

