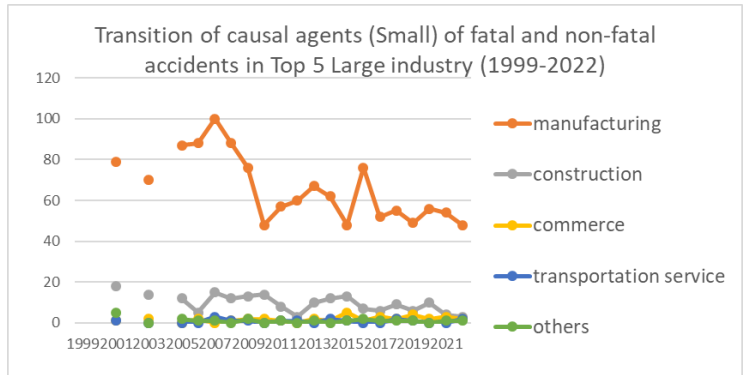
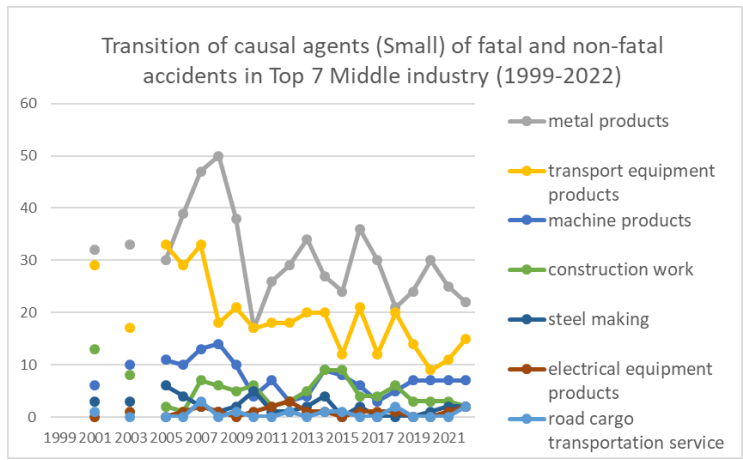


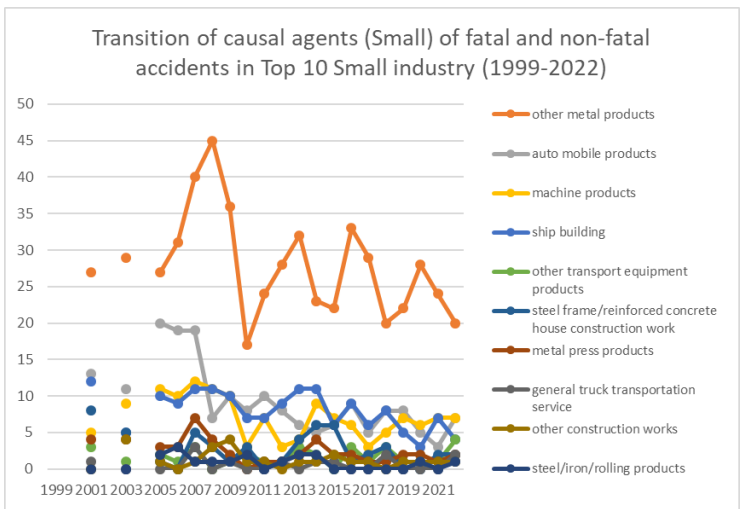
Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 332 arc welding equipment (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 332 arc welding equipment in Large industry (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 332 arc welding equipment in Middle Industry (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 332 arc welding equipment in Small Industry (1999-2022)

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 332 arc welding equipment 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			79		70		87	88	100	88	76	48	57	60	67	62	48	76	52	55	49	56	54	48	1,320	manufacturing	
03	construction			18		14		12	5	15	12	13	14	8	3	10	12	13	7	6	9	6	10	4	3	194	construction	
08	commerce			1		2			2		1	2	2	1		2	1	5	1	3	2	4	2	3	2	36	commerce	
04	transportation service			1						3	1	1		1	1		2	1			2	1			2	16	transportation service	
17	others			5				2	1	1		2		1		1		1	2	1	1	1		1	1	21	others	
07	livestock/fishery					1						1	1	1		2					1			1	1	9	livestock/fishery	
02	mining			1					1															1	1	4	mining	
15	commercial cleaning and livestock process									1		1				2	1	1		1	2	1	1	2		13	commercial cleaning and livestock process	
05	cargo handling service																1						2			3	cargo handling service	
14	hotel/restaurant/amusement service			2				1																		3	hotel/restaurant/amusement service	
06	agriculture																				1					1	agriculture	
13	health and hygiene service																		1							1	health and hygiene service	
09	financial business/advertisement																											financial business/advertisement
10	movie/play service																											movie/play service
11	telecommunication service																											telecommunication service
12	education/research service																											education/research service
16	public office																											public office
	total			107		87		102	97	120	102	96	65	69	64	84	79	69	87	63	73	64	69	66	58	1,621	total	

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 332 arc welding equipment 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
0112	metal products			32		33		30	39	47	50	38	17	26	29	34	27	24	36	30	21	24	30	25	22	614	metal products

0115	transport equipment products			29		17		33	29	33	18	21	17	18	18	20	20	12	21	12	20	14	9	11	15	387	transport equipment products	
0113	machine products			6		10		11	10	13	14	10	4	7	3	4	9	8	6	3	5	7	7	7	7	151	machine products	
0302	construction work			13		8		2	1	7	6	5	6	2	3	5	9	9	4	4	6	3	3	3	2	101	construction work	
0110	steel making			3		3		6	4	2	1	2	5	1	1	2	4		2				1	2	2	41	steel making	
0114	electrical equipment products					1			1	2	1		1	2	3	1	1		1	1	1			1	2	19	electrical equipment products	
0403	road cargo transportation service			1						3		1			1		1	1			2				2	12	road cargo transportation service	
0303	other construction works			4		4		7	2	3	5	8	6	6		5	2	2	3	1	1	2	2	1	1	65	other construction works	
0802	retail			1		1			1		1	2		1		2		3	1		1	2	2	3	1	22	retail	
1702	others			4				2	1	1		1		1				1	2		1			1	1	16	others	
0804	other commerce					1												2		1	1	1			1	7	other commerce	
0202	quarrying			1					1																1	1	4	quarrying
0702	fishery													1												1	2	fishery
0117	other manufacturing			7		2		3	3	2	3	3	1	1	2	6		2	3	4	3	2	7	8		62	other manufacturing	
0301	civil engineering work			1		2		3	2	5	1		2				1	2		1	2	1	5			28	civil engineering work	
0109	sand and stone products			1		1		2	1		1	1	1	1	1		1	1	1		2	1	1			17	sand and stone products	
1501	commercial cleaning and livestock process									1		1				2	1	1		1	2	1	1	2		13	commercial cleaning and livestock process	
0108	chemical products							1					1						2		3					7	chemical products	
0701	livestock					1						1	1			2					1			1		7	livestock	
0801	wholesale								1				2				1			2		1				7	wholesale	
0101	food products			1		1				1		1		1	1											6	food products	
0111	nonferrous metal making					1									1					4						6	nonferrous metal making	
1701	dispatch service			1								1				1				1		1				5	dispatch service	
0102	textile products					1																1	1			3	textile products	
0104	wood products														1						2					3	wood products	
0105	furniture								1				1					1								3	furniture	
0402	road passenger transport service										1			1								1				3	road passenger transport service	
0501	land cargo handling service															1						2				3	land cargo handling service	
1403	other amusement service			2				1																		3	other amusement service	
0107	printing/bookbinding							1																		1	printing/bookbinding	
0401	railroad/water transportation/airline service																1									1	railroad/water transportation/airline service	
0601	agriculture																					1				1	agriculture	
1301	medical treatment service																		1							1	medical treatment	

011001	steel/iron/rolling products						2	3	1	1	1	2		1	2	2					1		1	17	steel/iron/rolling products		
011009	other steel products			2		2		3	1				3			2		1					1	1	16	other steel products	
170209	others			4				2	1	1		1				1	2		1			1	1	16	others		
080209	other retails			1												3	1		1	1	2	2	1	12	other retails		
080409	other commerce					1										2		1	1	1			1	7	other commerce		
011401	heavy electrical equipment								1	1		1	1			1							1	6	heavy electrical equipment		
011402	electrical appliance					1									1				1					1	4	electrical appliance	
020201	quarrying			1					1														1	1	4	quarrying	
070201	fishery																						1	1	1	fishery	
011701	auto mobile servicing			2		2		2	3	2	1	2	1		1	3			1	3	1	2	5	7	38	auto mobile servicing	
030302	machinery/apparatus setting work			2				4	1	1	1	3	5	4		3			2			1	1		28	machinery/apparatus setting work	
030209	other building construction work			2		1			1	1	2	1	2	1	2		2	3	1	1	1	1	2	1		25	other building construction work
030203	building facility construction work			2		2		1		1	1	3	1	1		1		1	1	2	1	1			19	building facility construction work	
011702	machine repair			4				1			1	1			2		1	2				1	1		14	machine repair	
030199	other civil engineering work			1				2		4	1		1				2		1			2			14	other civil engineering work	
010901	cement products							2	1		1	1	1		1		1		2	1					12	cement products	
030301	electricity/telecommunication work			2				2	1	1	1	1		1		1			1						12	electricity/telecommunication work	
011709	other manufacturing			1							1			1		1		1	2		1				9	other manufacturing	
080202	auto mobile retail					1			1		1	2		1		1					1		1		9	auto mobile retail	
011002	casting products			1		1		1		1		1					1					1			8	casting products	
011409	other electrical equipment								1	1				1	3			1		1					8	other electrical equipment	
150102	industrial waste management service									1						2		1		1	1		2		8	industrial waste management service	
011305	other precision machine products			1		1				1	2						1					1			7	other precision machine products	
070101	livestock					1					1	1				2				1			1		7	livestock	
080109	other wholesale								1				2				1			2		1			7	other wholesale	
011204	metal plating products			1					4																5	metal plating products	
011503	railway vehicle products			1				1									2			1					5	railway vehicle products	
170101	dispatch service			1							1				1				1		1				5	dispatch service	
010805	plastics products							1										1		2					4	plastics products	
011109	other nonferrous metal products													1					3						4	other nonferrous metal products	
011202	screw products								1		1							1							4	screw products	
030202	wooden house construction work			1											1			1			1				4	wooden house construction work	
010109	other foods									1		1		1											3	other foods	
010909	other sand and stone products					1								1				1							3	other sand and stone products	
030109	land consolidation civil									1			1							1					3	land consolidation civil	

