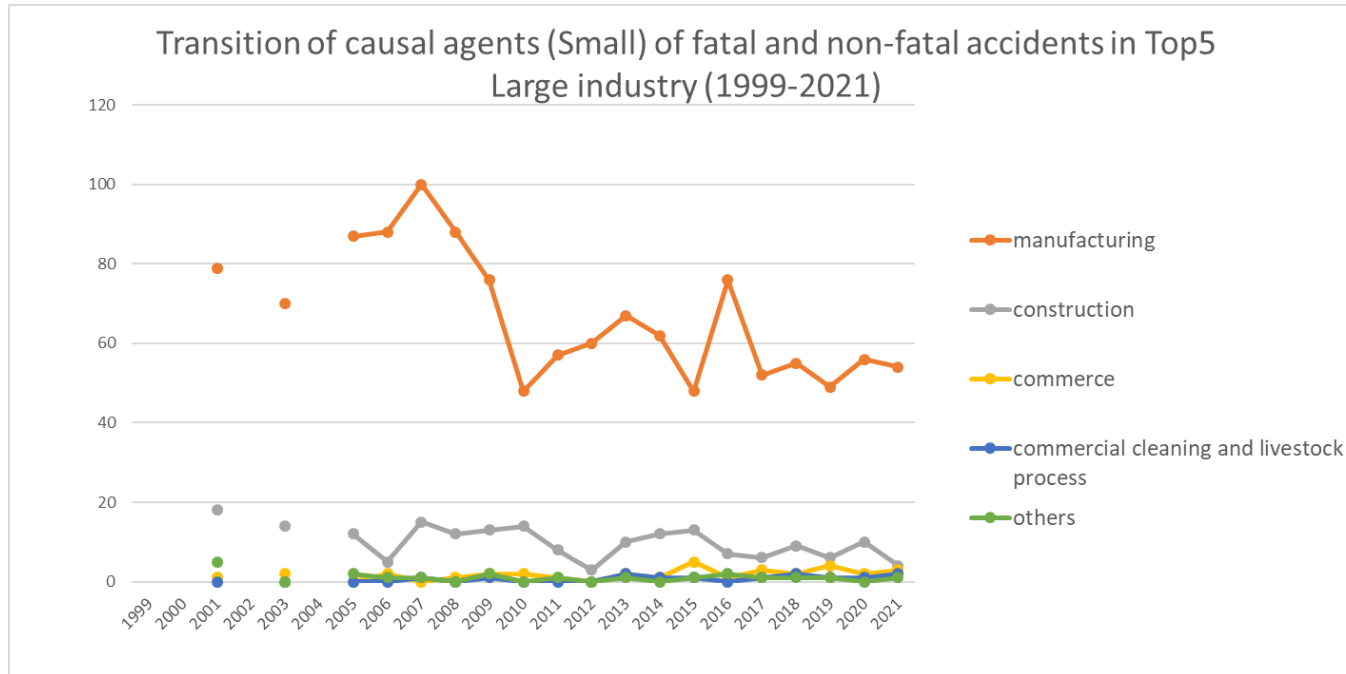
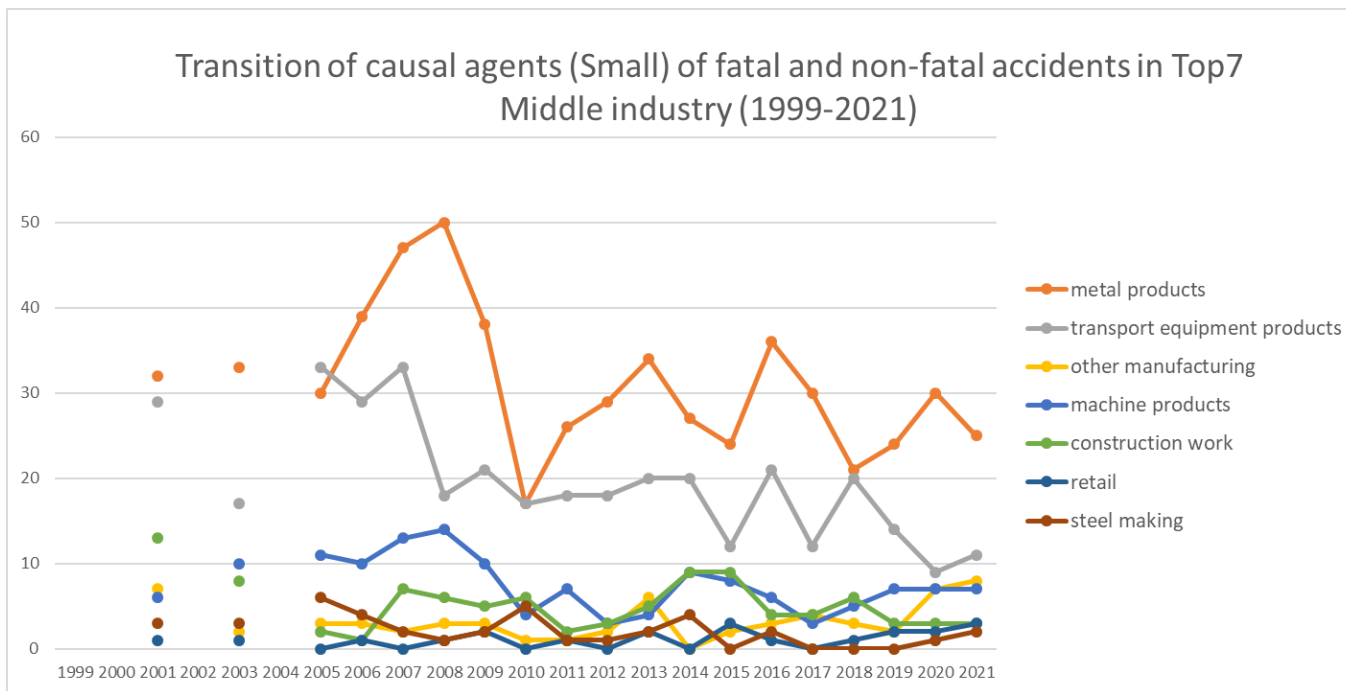


Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 332 arc welding equipment (1999-2021)

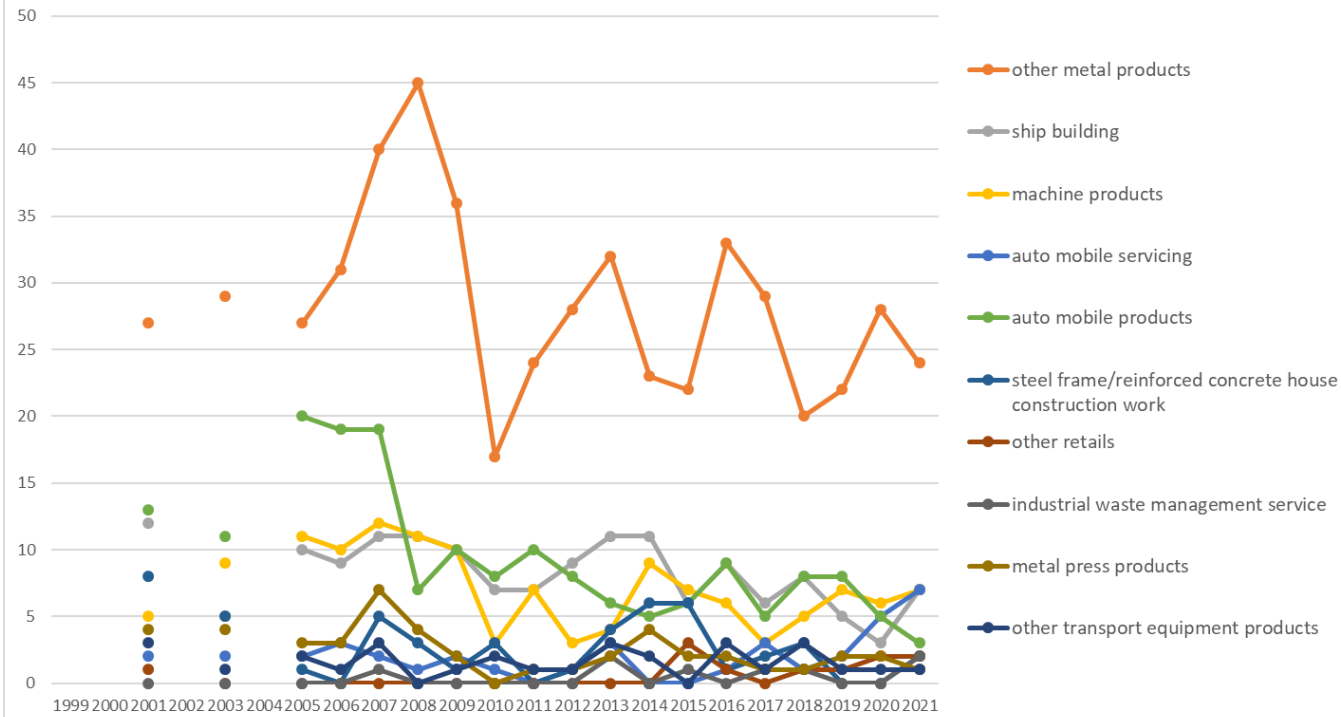


Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 332 arc welding equipment in Large industry (1999-2021)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 332 arc welding equipment in Middle Industry (1999-2021)

Transition of causal agents (Small) of fatal and non-fatal accidents in Top10 Small industry (1999-2021)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 332 arc welding equipment in Small Industry (1999-2021)

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 332 arc welding equipment in Large industry (1999-2021)

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	total	Large industry
01	manufacturing			79		70		87	88	100	88	76	48	57	60	67	62	48	76	52	55	49	56	54	1,272	manufacturing
03	construction			18		14		12	5	15	12	13	14	8	3	10	12	13	7	6	9	6	10	4	191	construction
08	commerce			1		2			2		1	2	2	1		2	1	5	1	3	2	4	2	3	34	commerce
15	commercial cleaning and livestock process									1		1				2	1	1		1	2	1	1	2	13	commercial cleaning and livestock process
17	others			5				2	1	1		2		1		1		1	2	1	1	1		1	20	others
07	livestock/fishery					1						1	1	1		2					1			1	8	livestock/fishery
02	mining			1					1															1	3	mining

04	transportation service			1					3	1	1		1	1		2	1				2	1			14	transportation service
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	1,563	total

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 332 arc welding equipment in Middle industry (1999-2021)

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	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	592	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	372	transport equipment products
0117	other manufacturing			7		2		3	3	2	3	3	1	1	2	6		2	3	4	3	2	7	8	62	other manufacturing
0113	machine products			6		10		11	10	13	14	10	4	7	3	4	9	8	6	3	5	7	7	7	144	machine products
0302	construction work			13		8		2	1	7	6	5	6	2	3	5	9	9	4	4	6	3	3	3	99	construction work
0802	retail			1		1			1		1	2		1		2		3	1		1	2	2	3	21	retail
0110	steel making			3		3		6	4	2	1	2	5	1	1	2	4		2				1	2	39	steel making
1501	commercial cleaning and livestock process									1		1				2	1	1		1	2	1	1	2	13	commercial cleaning and livestock process

0303	other construction works			4		4		7	2	3	5	8	6	6		5	2	2	3	1	1	2	2	1	64	other construction works
0114	electrical equipment products					1			1	2	1		1	2	3	1	1		1	1	1			1	17	electrical equipment products
1702	others			4				2	1	1		1		1				1	2		1			1	15	others
0701	livestock					1						1	1			2					1			1	7	livestock
0202	quarrying			1					1															1	3	quarrying
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
0403	road cargo transportation service			1						3		1			1		1	1			2				10	road cargo transportation service
0108	chemical products							1					1						2		3				7	chemical products
0801	wholesale								1				2				1			2		1			7	wholesale
0101	food products			1		1				1		1		1											6	food products
0111	nonferrous metal making					1									1				4						6	nonferrous metal making
0804	other commerce					1												2		1	1	1			6	other commerce
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

	products																							products		
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	
030309	other construction works					4		1		1	3	4	1	1		1	1	2	1	1		1	1	24	other construction works	
011009	other steel products			2		2		3	1				3			2		1					1	15	other steel products	
170209	others			4				2	1	1		1		1			1	2		1			1	15	others	
011702	machine repair			4				1			1	1				2		1	2				1	1	14	machine repair
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					1	8	casting products	
070101	livestock					1					1	1			2					1			1	7	livestock	
020201	quarrying			1					1														1	3	quarrying	
011403	electronics equipment and telecommunications apparatus																						1	1	electronics equipment and telecommunications apparatus	
030302	machinery/apparatus setting work			2				4	1	1	1	3	5	4		3			2			1	1	28	machinery/apparatus setting 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	
011001	steel/iron/rolling products							2	3	1	1	1	2		1	2	2					1		16	steel/iron/rolling products	
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			1				12	electricity/telecommunication work	
040301	general truck transportation service			1						3		1			1		1	1			2			10	general truck transportation service	
011709	other manufacturing			1							1			1		1		1	1	2		1		9	other manufacturing	
011409	other electrical equipment								1	1					1	3			1		1			8	other electrical equipment	

011305	other precision machine products			1		1				1	2							1				1			7	other precision machine products	
080109	other wholesale							1							2			1				2		1		7	other wholesale
080409	other commerce					1												2				1	1	1		6	other commerce
011204	metal plating products			1						4																5	metal plating products
011401	heavy electrical equipment									1	1				1											5	heavy electrical equipment
011503	railway vehicle products			1						1								2					1			5	railway vehicle products
170101	dispatch service			1											1							1		1		5	dispatch service
010805	plastics products									1												1		2		4	plastics products
011109	other nonferrous metal products																									4	other nonferrous metal products
011202	screw products									1					1											4	screw products
030202	wooden house construction work			1														1						1		4	wooden house construction work
010109	other foods									1					1											3	other foods
010909	other sand and stone products																									3	other sand and stone products
011402	electrical appliance																									3	electrical appliance
030109	land consolidation civil engineering work																									3	land consolidation civil engineering work
050101	land cargo handling service																									3	land cargo handling service
010209	other textile products																									2	other textile products
010402	plywood																									2	plywood
010502	metal furniture																									2	metal furniture
010899	other chemical products																									2	other chemical products
011102	nonferrous metals casting products																									2	nonferrous metals casting products

030101	hydroelectric plant construction work																				2		2	hydroelectric plant construction work	
030110	water supply/sewage construction work																					1		2	water supply/sewage construction work
030111	port/seaside construction work																							2	port/seaside construction work
040202	bus service																							2	bus service
140301	golf course			1																				2	golf course
150103	other waste disposal service																							2	other waste disposal service
150109	other cleaning and livestock process service																							2	other cleaning and livestock process service
010102	fishery products																							1	fishery products
010103	agricultural food products			1																				1	agricultural food products
010105	alcoholic drinks																							1	alcoholic drinks
010204	dyeing																							1	dyeing
010401	lumbering																							1	lumbering
010509	other furniture																							1	other furniture
010701	printing service																							1	printing service
010809	chemical fertilizer products																							1	chemical fertilizer products
010902	glass products																							1	glass products
010903	pottery products																							1	pottery products
011302	measuring instruments																							1	measuring instruments
011303	optical instruments																							1	optical instruments
011703	cleaning																							1	cleaning
030102	tunnel construction work																							1	tunnel construction work
030104	railway construction work																							1	railway construction work
030105	bridge construction work																							1	bridge construction work

080102	furniture/fittings wholesale																						furniture/fittings wholesale
080201	all kinds of retail																						all kinds of retail
080203	furniture/fittings retail																						furniture/fittings retail
080205	newspaper retail																						newspaper retail
080301	haircut																						haircut
080302	beauty salon																						beauty salon
080401	warehousing																						warehousing
090101	banking/trust business																						banking/trust business
090102	stock/commodity trade business																						stock/commodity trade business
090103	insurance business																						insurance business
090109	other financial business																						other financial business
090201	traveling service																						traveling service
090209	other advertisement and mediator																						other advertisement and mediator
100101	movie production and delivery service																						movie production and delivery service
100102	movie theatre																						movie theatre
100109	other movie/play service																						other movie/play service
110101	telecommunication service																						telecommunication service
120101	auto mobile practical training																						auto mobile practical training
120102	software service																						software service
120109	other education/research service																						other education/research service
130102	general clinic																						general clinic
130109	other medical treatment service																						other medical treatment service

