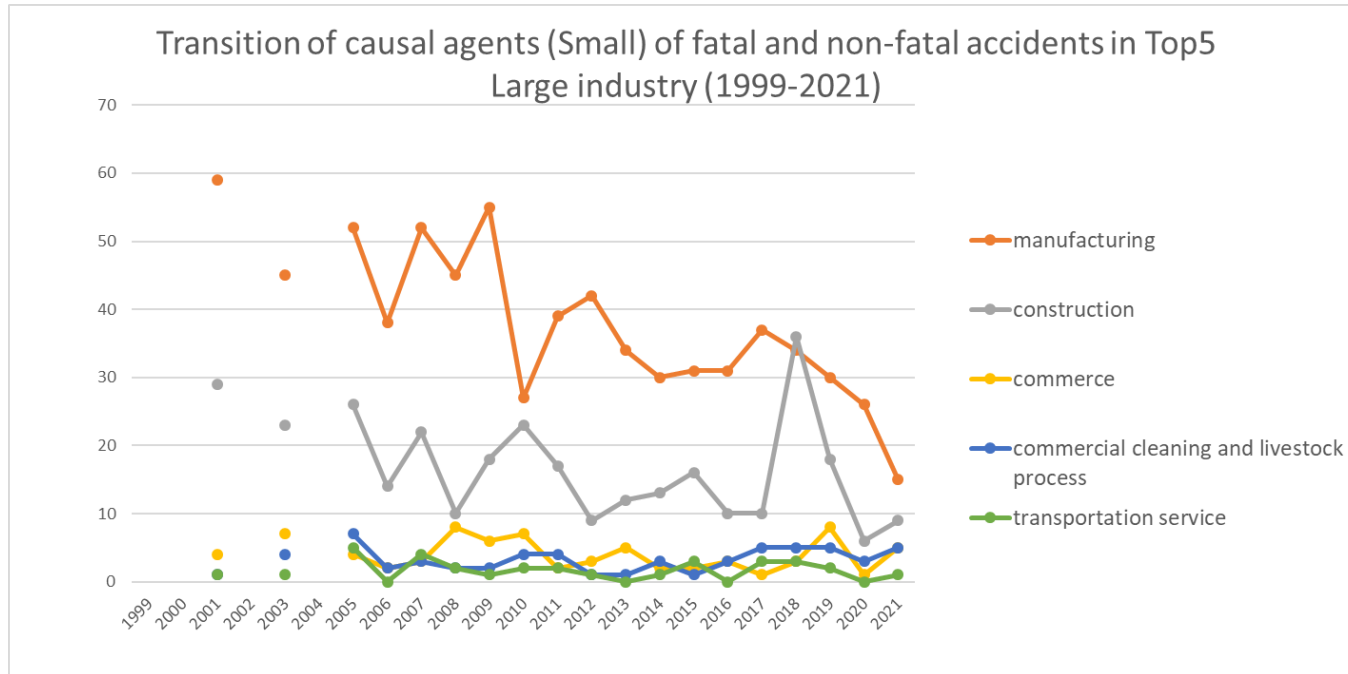
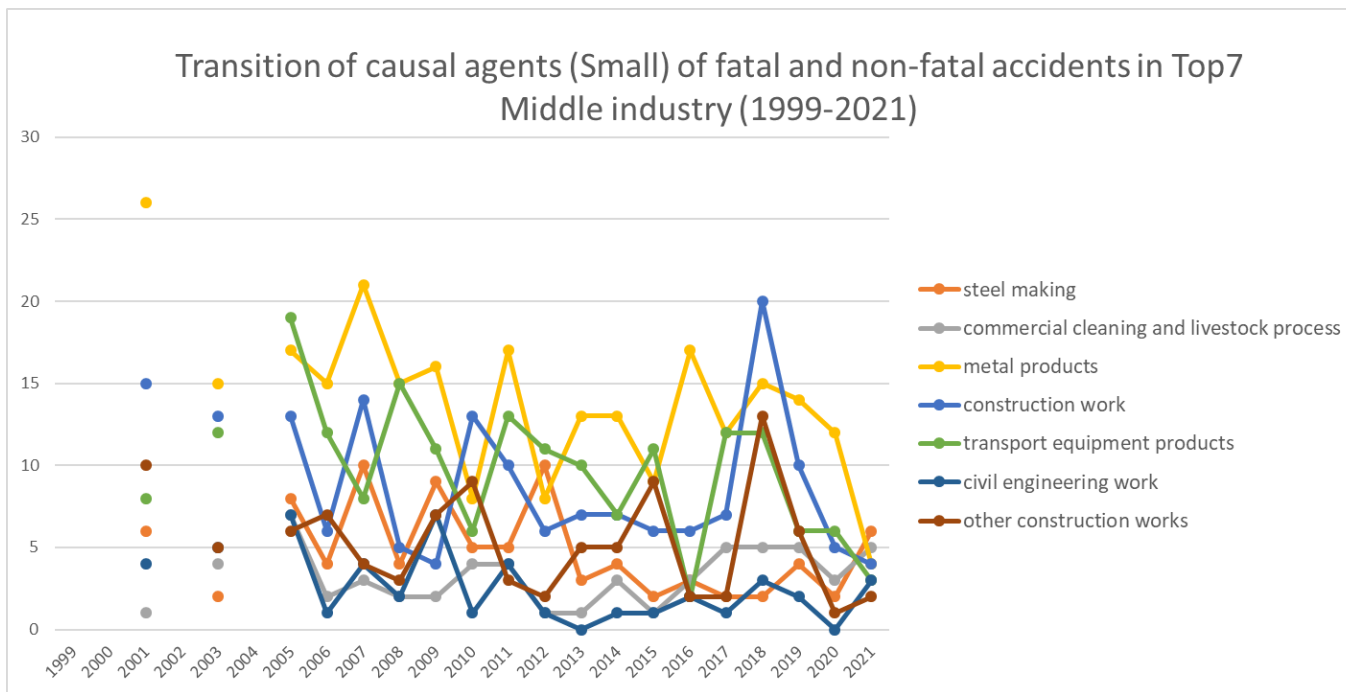


Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 331 gas welding equipment (1999-2021)

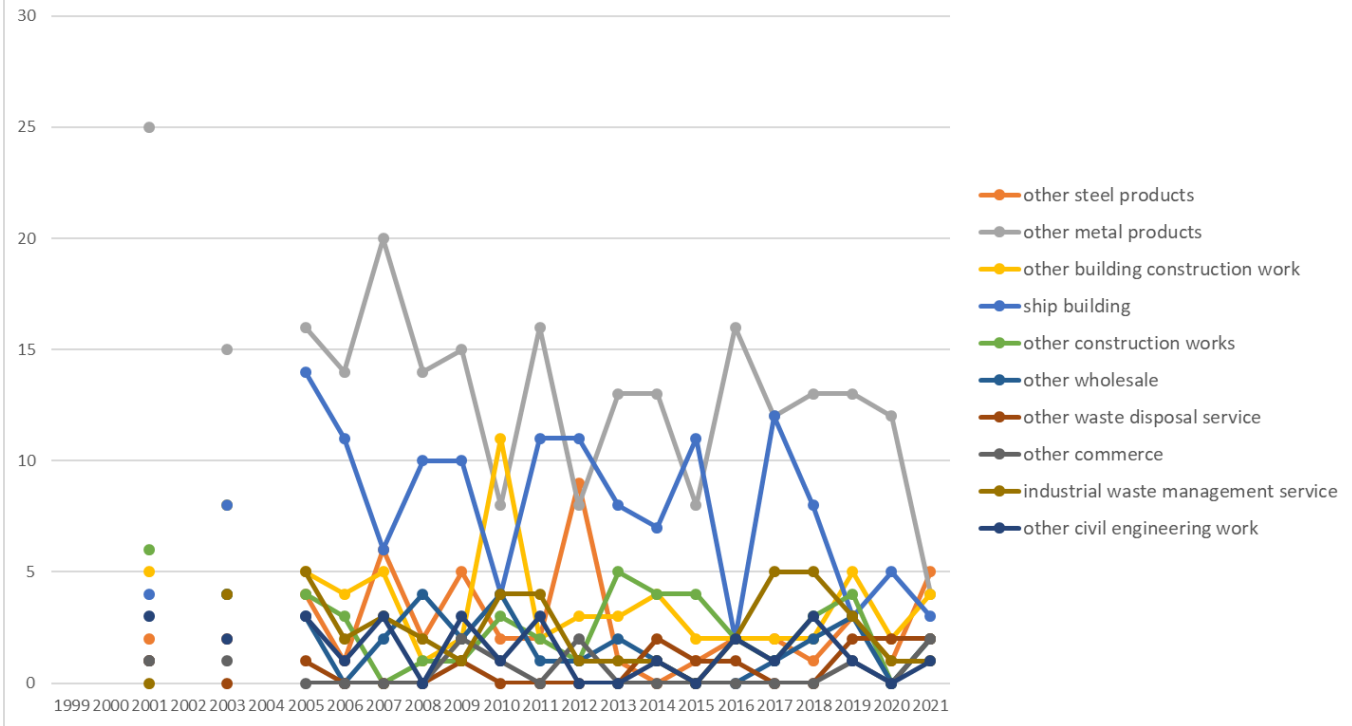


Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 331 gas welding equipment in Large industry (1999-2021)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 331 gas 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. 331 gas welding equipment in Small Industry (1999-2021)

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 331 gas 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			59		45		52	38	52	45	55	27	39	42	34	30	31	31	37	34	30	26	15	722	manufacturing
03	construction			29		23		26	14	22	10	18	23	17	9	12	13	16	10	10	36	18	6	9	321	construction
08	commerce			4		7		4	2	3	8	6	7	2	3	5	2	2	3	1	3	8	1	5	76	commerce
15	commercial cleaning and livestock process			1		4		7	2	3	2	2	4	4	1	1	3	1	3	5	5	5	3	5	61	commercial cleaning and livestock process
04	transportation service			1		1		5		4	2	1	2	2	1		1	3		3	3	2		1	32	transportation service
17	others			1		1		1			2	2					2		2		1				12	others
02	mining					1		1				1		1		1	1						2		8	mining

05	cargo handling service		1	1	1		1														1		6	cargo handling service	
09	financial business/advertisement																				2		2	financial business/advertisement	
14	hotel/restaurant/amusement service						1															1		2	hotel/restaurant/amusement service
06	agriculture										1													1	agriculture
07	livestock/fishery													1										1	livestock/fishery
11	telecommunication service														1									1	telecommunication service
12	education/research service																1							1	education/research service
13	health and hygiene service																			1				1	health and hygiene service
10	movie/play service																								movie/play service
16	public office																								public office
	total		96	83	97	57	84	70	85	64	66	57	53	53	54	50	56	82	65	40	35	1,247		total	

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 331 gas 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
0110	steel making			6	2	8	4	10	4	9	5	5	10	3	4	2	3	2	2	4	2	6	91	steel making		
1501	commercial cleaning and livestock process			1	4	7	2	3	2	2	4	4	1	1	3	1	3	5	5	5	3	5	61	commercial cleaning and livestock process		
0112	metal products			26	15	17	15	21	15	16	8	17	8	13	13	9	17	12	15	14	12	4	267	metal products		
0302	construction work			15	13	13	6	14	5	4	13	10	6	7	7	6	6	7	20	10	5	4	171	construction work		
0115	transport equipment products			8	12	19	12	8	15	11	6	13	11	10	7	11	2	12	12	6	6	3	184	transport equipment products		
0301	civil engineering work			4	5	7	1	4	2	7	1	4	1		1	1	2	1	3	2		3	49	civil engineering work		
0303	other construction works			10	5	6	7	4	3	7	9	3	2	5	5	9	2	2	13	6	1	2	101	other construction works		

040302	specific truck transportation service															1						1						2	specific truck transportation service	
050101	land cargo handling service			1		1																						2	land cargo handling service	
080401	warehousing												1														1		2	warehousing
010104	bread/cake products					1																						1	bread/cake products	
010106	soft drinks												1															1	soft drinks	
010109	other foods			1																								1	other foods	
010401	lumbering													1														1	lumbering	
010402	plywood													1														1	plywood	
010502	metal furniture															1												1	metal furniture	
010701	printing service																											1	printing service	
010805	plastics products			1																								1	plastics products	
010899	other chemical products																											1	other chemical products	
010909	other sand and stone products																											1	other sand and stone products	
011202	screw products															1												1	screw products	
011302	measuring instruments																											1	measuring instruments	
011403	electronics equipment and telecommunications apparatus																											1	electronics equipment and telecommunications apparatus	
011503	railway vehicle products								1																			1	railway vehicle products	
020202	gravel digging																										1	1	gravel digging	
030101	hydroelectric plant construction work												1															1	hydroelectric plant construction work	
030107	river civil engineering work								1																			1	river civil engineering work	
040101	railroad service								1																			1	railroad service	
040102	water transportation service																											1	water transportation service	

	products																							products
011201	western tableware/cutting tool products																							western tableware/cutting tool products
011303	optical instruments																							optical instruments
011304	watch products																							watch products
011601	electric utility service																							electric utility service
011602	city gas service																							city gas service
011603	city water service																							city water service
011609	other electric/gas/water service																							other electric/gas/water service
011703	cleaning																							cleaning
011704	tobacco products																							tobacco products
020101	general coal mining																							general coal mining
020109	other coal mining																							other coal mining
020209	other quarrying																							other quarrying
020301	metal mining																							metal mining
020302	petroleum mining																							petroleum mining
020309	other mining																							other mining
030102	tunnel construction work																							tunnel construction work
030103	subway construction work																							subway construction work
030108	sand collapse prevention civil engineering work																							sand collapse prevention civil engineering work
040209	other passenger transport service																							other passenger transport service
040303	cargo/ light automobile transportation service																							cargo/ light automobile transportation service
	general harbor transportation																							general harbor transportation

130109	other medical treatment service																							other medical treatment service		
130301	bathhouse																							bathhouse		
130309	other health and hygiene service																							other health and hygiene service		
140101	hotel																							hotel		
140209	other restaurants																							other restaurants		
140301	golf course																							golf course		
140309	other amusement service																							other amusement service		
150104	cremation service																							cremation service		
150105	livestock process service																							livestock process service		
160101	public office																							public office		
170101	dispatch service																							dispatch service		
170202	information processing service																							information processing service		
	total			96		83		97	57	84	70	85	64	66	57	53	53	54	50	56	82	65	40	35	1,247	total

Data source : <https://anzeninfo.mhlw.go.jp/user/anzen/tok/anst00.htm> (MHLW, Japan)

https://www.jisha.or.jp/english/statistics/202212_03.html