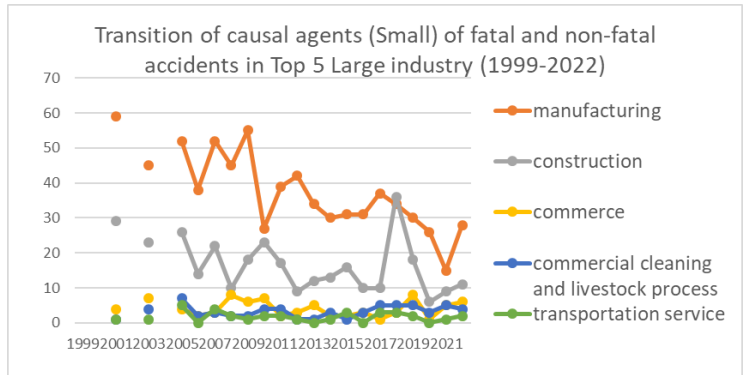
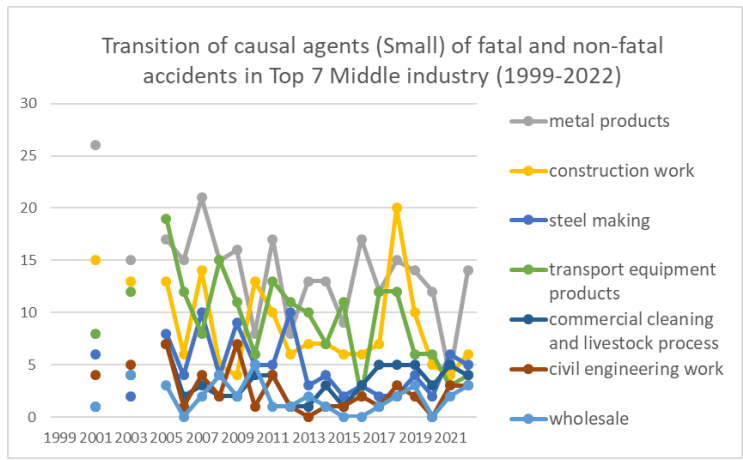


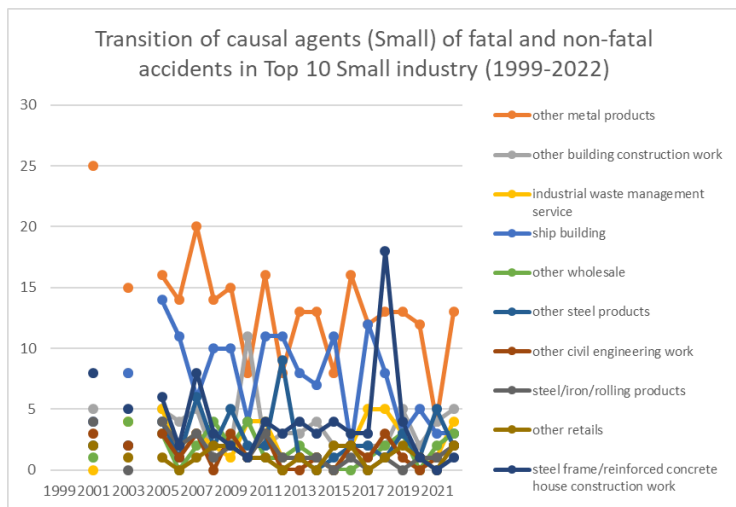
Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 331 gas welding equipment (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 331 gas welding equipment in Large industry (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 331 gas welding equipment in Middle Industry (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 331 gas welding equipment in Small Industry (1999-2022)

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 331 gas 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			59		45		52	38	52	45	55	27	39	42	34	30	31	31	37	34	30	26	15	28	750	manufacturing
03	construction			29		23		26	14	22	10	18	23	17	9	12	13	16	10	10	36	18	6	9	11	332	construction
08	commerce			4		7		4	2	3	8	6	7	2	3	5	2	2	3	1	3	8	1	5	6	82	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	4	65	commercial cleaning and livestock process
04	transportation service			1		1		5		4	2	1	2	2	1		1	3		3	3	2		1	2	34	transportation service
17	others			1		1		1			2	2				2		2		1					1	13	others
02	mining					1		1				1		1		1	1						2		1	9	mining
05	cargo handling service			1		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	53	1,300	total

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 331 gas 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			26		15		17	15	21	15	16	8	17	8	13	13	9	17	12	15	14	12	4	14	281	metal products

0302	construction work			15		13		13	6	14	5	4	13	10	6	7	7	6	6	7	20	10	5	4	6	177	construction work	
0110	steel making			6		2		8	4	10	4	9	5	5	10	3	4	2	3	2	2	4	2	6	5	96	steel making	
0115	transport equipment products			8		12		19	12	8	15	11	6	13	11	10	7	11	2	12	12	6	6	3	4	188	transport equipment products	
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	4	65	commercial cleaning and livestock process	
0301	civil engineering work			4		5		7	1	4	2	7	1	4	1		1	1	2	1	3	2		3	3	52	civil engineering work	
0801	wholesale			1		4		3		2	4	2	5	1	1	2	1			1	2	3		2	3	37	wholesale	
0802	retail			2		2		1	2	1	4	2	1	1		2	1	2	3		1	3	1	1	3	33	retail	
0303	other construction works			10		5		6	7	4	3	7	9	3	2	5	5	9	2	2	13	6	1	2	2	103	other construction works	
0117	other manufacturing			11		9		2	1	5	5	8	3	3	6	3	2	5	2	3	2	3	4		2	79	other manufacturing	
0113	machine products			5		4		4	5	4	3	7	4		2	5	3	3	4	7	1	2	1		1	65	machine products	
0403	road cargo transportation service			1		1		3		4	2	1	1	1			1	2		2	3	1		1	1	25	road cargo transportation service	
0114	electrical equipment products			1		1		1		2	2				2					3	1				1	1	15	electrical equipment products
1702	others			1		1		1			2	2					2		2		1				1	13	others	
0111	nonferrous metal making									1		2	1	1	3										1	9	nonferrous metal making	
0202	quarrying					1		1						1		1	1							2		1	9	quarrying
0401	railroad/water transportation/airline service							1						1						1					1	4	railroad/water transportation/airline service	
0804	other commerce			1		1						2	1		2	1						2		2		12	other commerce	
0109	sand and stone products					1		1		1							1	1				1	1	1		8	sand and stone products	
0402	road passenger transport service												1		1							1				4	road passenger transport service	
0502	harbor transportation service							1			1				1							1				4	harbor transportation service	
0101	food products			1		1					1															3	food products	
0104	wood products												2													2	wood products	
0108	chemical products			1																	1					2	chemical products	
0501	land cargo handling service			1		1																				2	land cargo handling service	
0105	furniture								1																	1	furniture	
0107	printing/bookbinding																					1				1	printing/bookbinding	
0404	other transportation service							1																		1	other transportation service	
0602	forestry													1												1	forestry	
0701	livestock																1									1	livestock	
0901	financial business																							1		1	financial business	
0902	advertisement and mediator																							1		1	advertisement and mediator	













	business																										business
090109	other financial business																										other financial business
090201	traveling service																										traveling service
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
120101	auto mobile practical training																										auto mobile practical training
120102	software service																										software service
130101	hospital																										hospital
130102	general clinic																										general clinic
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	53	1,300	total

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

[https://www.jisha.or.jp/english/statistics/202311\\_12.html](https://www.jisha.or.jp/english/statistics/202311_12.html)