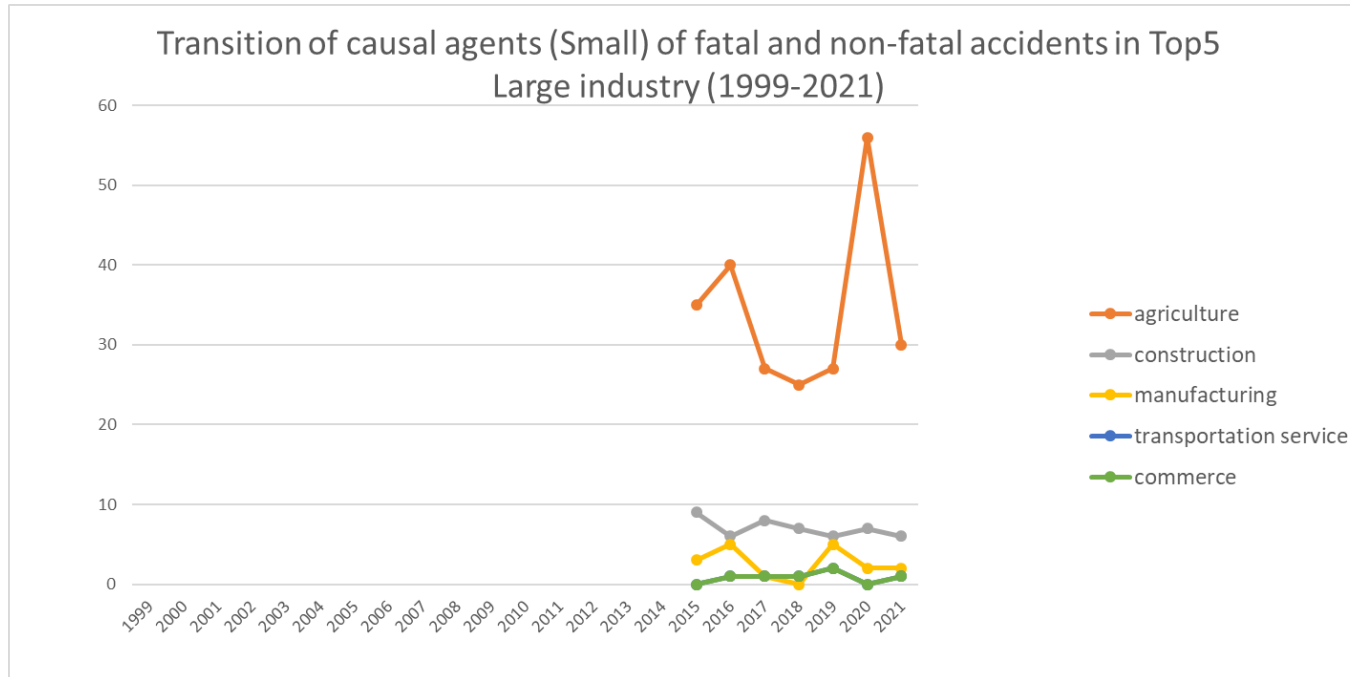
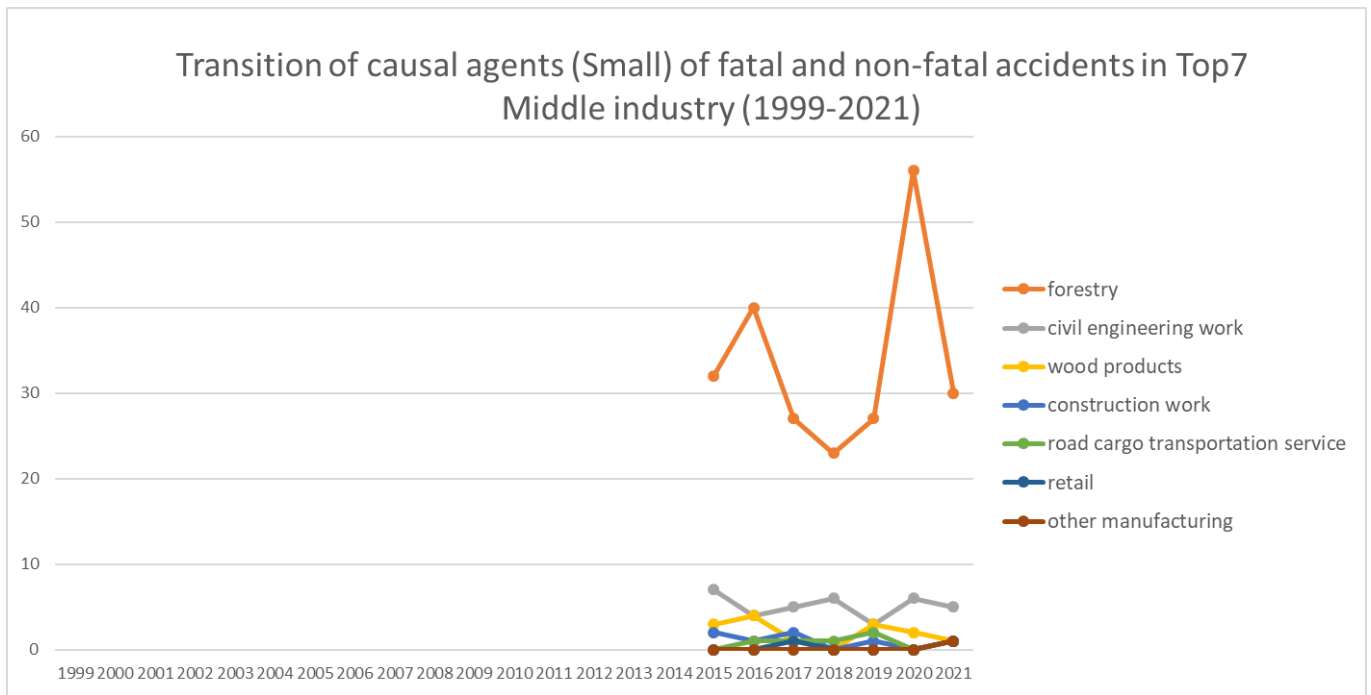


Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 171 felling machine (1999-2021)

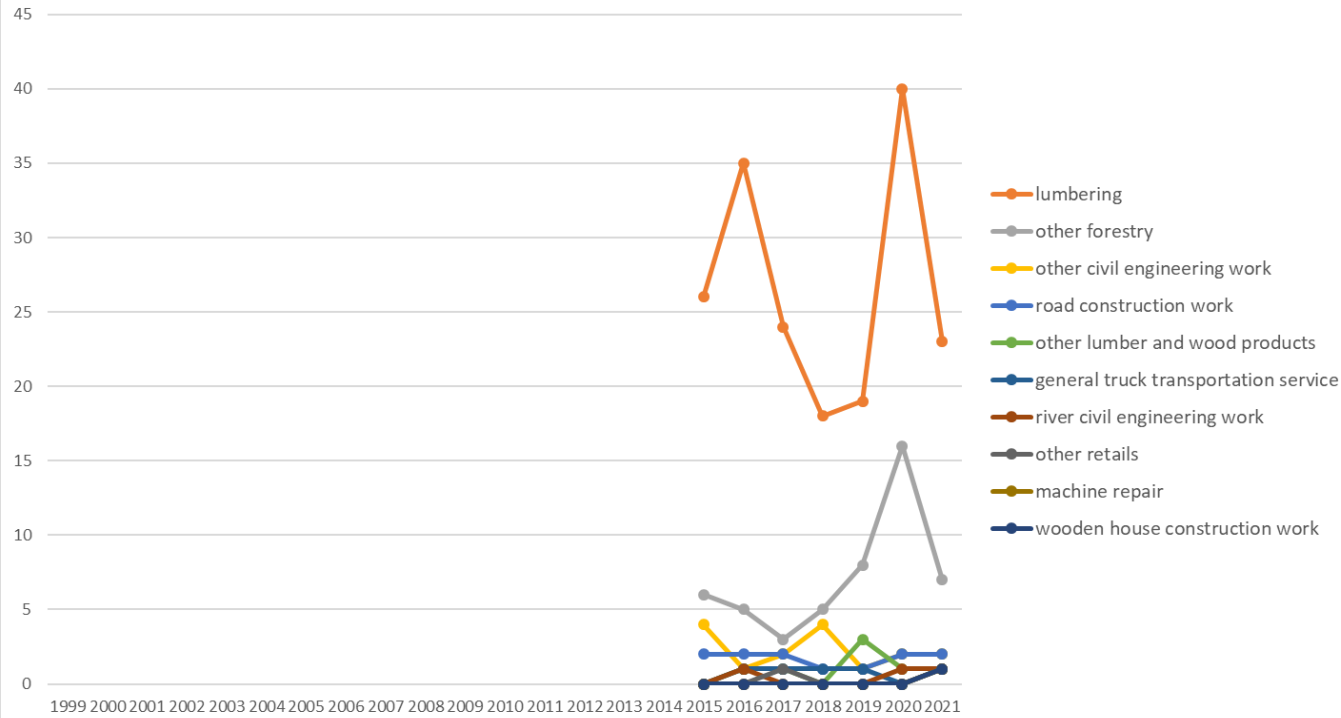


Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 171 felling machine in Large industry (1999-2021)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 171 felling machine 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. 171 felling machine in Small Industry (1999-2021)

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 171 felling machine 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
06	agriculture																	35	40	27	25	27	56	30	240	agriculture
03	construction																	9	6	8	7	6	7	6	49	construction
01	manufacturing																	3	5	1		5	2	2	18	manufacturing
04	transportation service																		1	1	1	2		1	6	transportation service
08	commerce																		1	1	1	2		1	6	commerce
14	hotel/restaurant/amusement service																	1	1		1	1			4	hotel/restaurant/amusement service
	commercial cleaning and																									commercial cleaning and

15	livestock process																	1		1	1					3	livestock process
17	others																				1	1				2	others
02	mining																		1							1	mining
07	livestock/fishery																		1							1	livestock/fishery
05	cargo handling service																										cargo handling 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
13	health and hygiene service																										health and hygiene service
16	public office																										public office
	total																		48	56	39	37	45	65	40	330	total

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 171 felling machine 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	
0602	forestry																	32	40	27	23	27	56	30	235	forestry	
0301	civil engineering work																	7	4	5	6	3	6	5	36	civil engineering work	
0104	wood products																	3	4	1		3	2	1	14	wood products	
0302	construction work																	2	1	2		1		1	7	construction work	
0403	road cargo transportation service																		1	1	1	2		1	6	road cargo transportation service	
0802	retail																			1				1	2	retail	
0117	other manufacturing																							1	1	other manufacturing	
0303	other construction works																			1	1	1	2	1		6	other construction







	work																				work	
010401	lumbering														3	3				1	7	lumbering
030309	other construction works															1	1	1	2		5	other construction works
060101	agriculture														3			2			5	agriculture
030209	other building construction work														1		2		1		4	other building construction work
080109	other wholesale															1		1	2		4	other wholesale
140301	golf course														1	1		1			3	golf course
030108	sand collapse prevention civil engineering work																	1		1	2	sand collapse prevention civil engineering work
030109	land consolidation civil engineering work														1				1		2	land consolidation civil engineering work
030201	steel frame/reinforced concrete house construction work														1	1					2	steel frame/reinforced concrete house construction work
150109	other cleaning and livestock process service															1		1			2	other cleaning and livestock process service
170209	others																	1	1		2	others
010101	meat/dairy products																		1		1	meat/dairy products
010701	printing service																		1		1	printing service
011601	electric utility service															1					1	electric utility service
020201	quarrying																	1			1	quarrying
030102	tunnel construction work																	1			1	tunnel construction work
030301	electricity/telecommunication work																			1	1	electricity/telecommunication work
040302	specific truck transportation service																		1		1	specific truck transportation service





010709	other printing and bookbinding																						other printing and bookbinding
010801	non organic or organic chemical products																						non organic or organic chemical products
010802	chemical fiber																						chemical fiber
010803	pharmaceuticals																						pharmaceuticals
010804	petroleum/coal products																						petroleum/coal products
010805	plastics products																						plastics products
010806	rubber products																						rubber products
010807	leather products																						leather products
010808	painting products																						painting products
010809	chemical fertilizer products																						chemical fertilizer products
010899	other chemical products																						other chemical products
010901	cement products																						cement products
010902	glass products																						glass products
010903	pottery products																						pottery products
010904	fire resisting products																						fire resisting products
010905	other ceramic products																						other ceramic products
010909	other sand and stone products																						other sand and stone products
011001	steel/iron/rolling products																						steel/iron/rolling products
011002	casting products																						casting products
011009	other steel products																						other steel products
011101	nonferrous metals/rolling products																						nonferrous metals/rolling products
011102	nonferrous metals casting products																						nonferrous metals casting products









130309	other health and hygiene service																						other health and hygiene service	
140201	general restaurant																						general restaurant	
140209	other restaurants																						other restaurants	
140302	park and amusement park																						park and amusement park	
140309	other amusement service																						other amusement service	
150101	building maintenance service																						building maintenance service	
150102	industrial waste management service																						industrial waste management service	
150104	cremation service																						cremation service	
150105	livestock process service																						livestock process service	
160101	public office																						public office	
170101	dispatch service																						dispatch service	
170201	security service																						security service	
170202	information processing service																						information processing service	
	total															48	56	39	37	45	65	40	330	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](https://www.jisha.or.jp/english/statistics/202212_03.html)