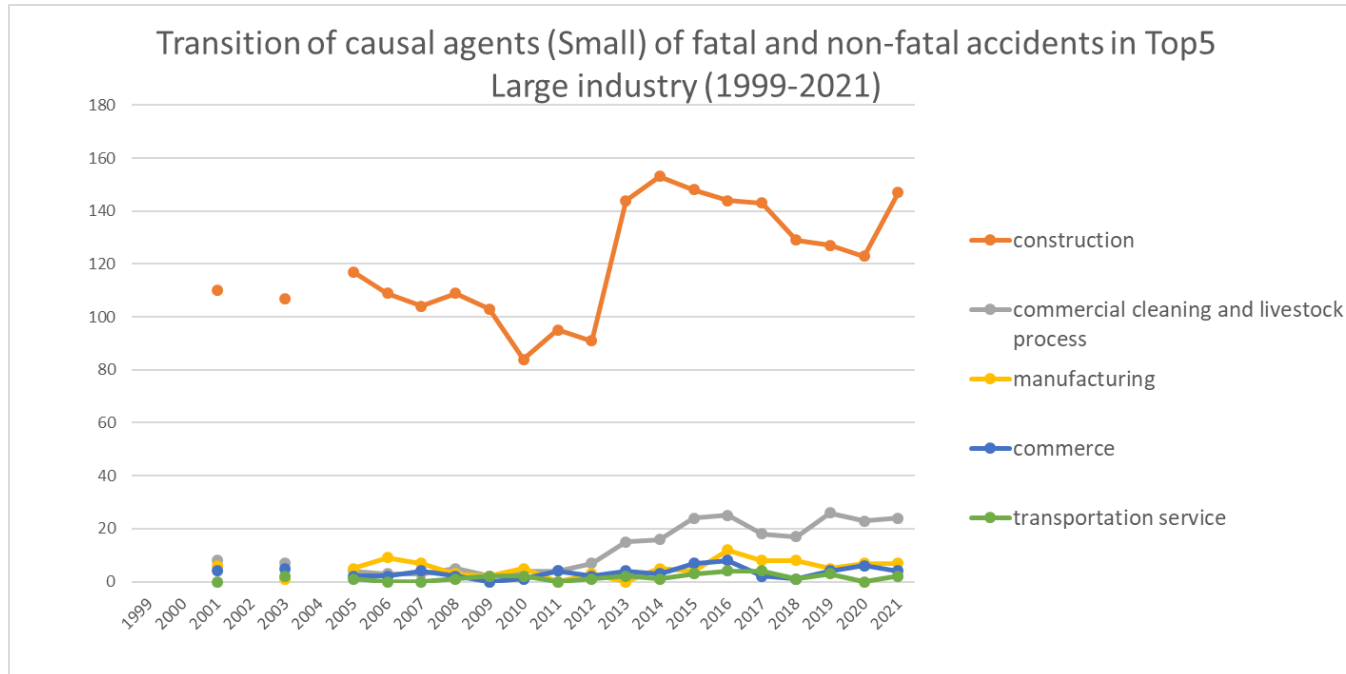
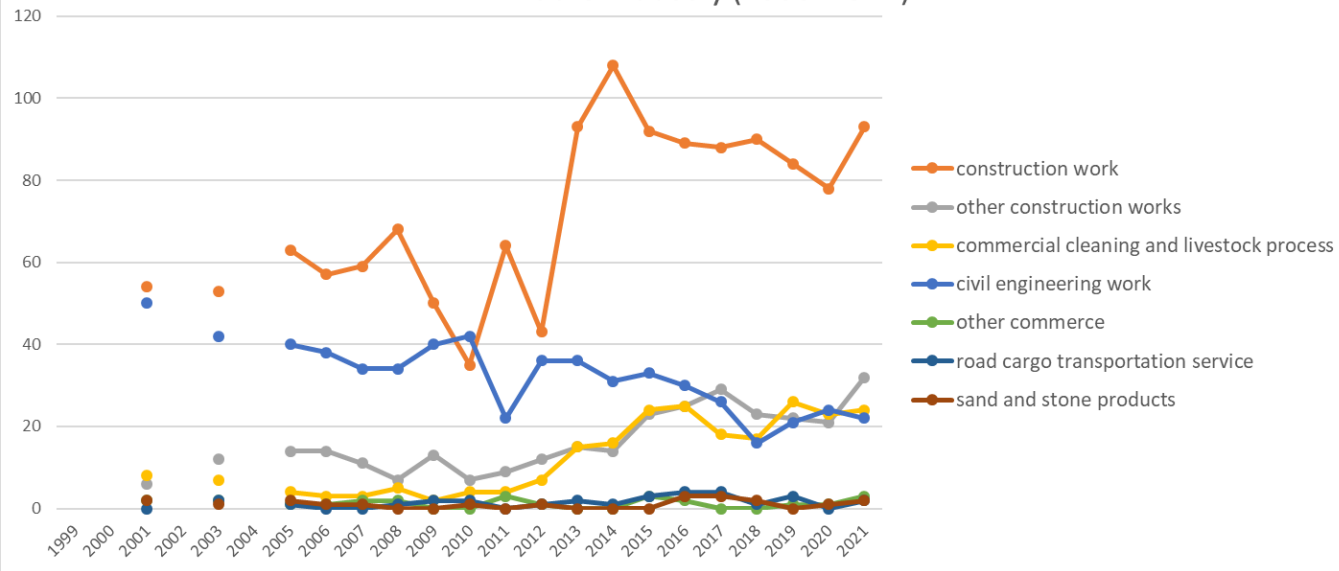


Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 145 demolition machine (1999-2021)



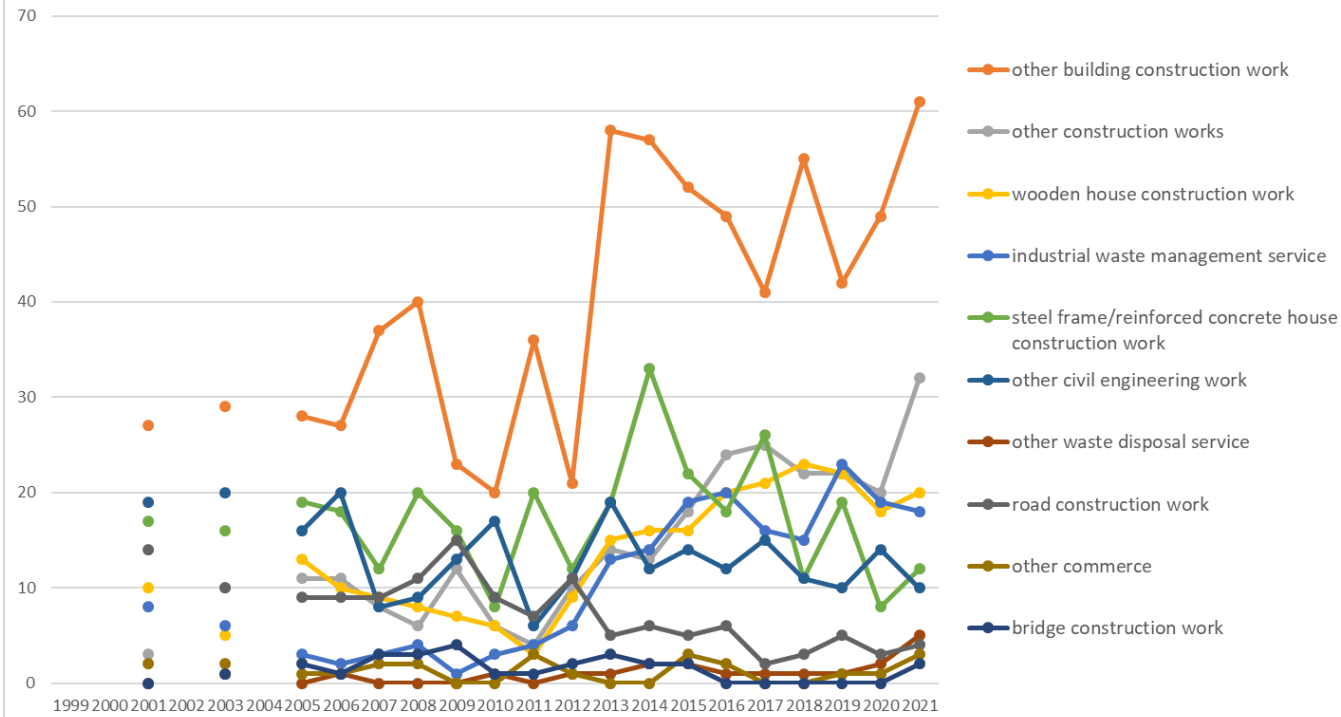
Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 145 demolition machine in Large industry (1999-2021)

Transition of causal agents (Small) of fatal and non-fatal accidents in Top7 Middle industry (1999-2021)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 145 demolition 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. 145 demolition machine in Small Industry (1999-2021)

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 145 demolition 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
03	construction			110		107		117	109	104	109	103	84	95	91	144	153	148	144	143	129	127	123	147	2,287	construction
15	commercial cleaning and livestock process			8		7		4	3	3	5	2	4	4	7	15	16	24	25	18	17	26	23	24	235	commercial cleaning and livestock process
01	manufacturing			6		1		5	9	7	3	2	5		3		5	4	12	8	8	5	7	7	97	manufacturing
08	commerce			4		5		2	2	4	2		1	4	2	4	3	7	8	2	1	4	6	4	65	commerce
04	transportation service					2		1			1	2	2		1	2	1	3	4	4	1	3		2	29	transportation service
17	others			2		3			1			1	1	1	1	1	3	1		2	2	1		1	21	others
06	agriculture															3	3	4		1		2	1	1	15	agriculture

02	mining			1		1		2	1	1		1	1			2	1			2	4	1	2		20	mining
14	hotel/restaurant/amusement service																	1				1	2		4	hotel/restaurant/amusement service
13	health and hygiene service															1						1			2	health and hygiene service
05	cargo handling service																				1				1	cargo handling service
12	education/research service											1													1	education/research service
07	livestock/fishery																									livestock/fishery
09	financial business/advertisement																									financial business/advertisement
10	movie/play service																									movie/play service
11	telecommunication service																									telecommunication service
16	public office																									public office
	total			131		126		131	125	119	120	112	98	104	105	171	186	192	193	181	164	171	162	186	2,777	total

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 145 demolition 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
0302	construction work			54		53		63	57	59	68	50	35	64	43	93	108	92	89	88	90	84	78	93	1,361	construction work
0303	other construction works			6		12		14	14	11	7	13	7	9	12	15	14	23	25	29	23	22	21	32	309	other construction works
1501	commercial cleaning and livestock process			8		7		4	3	3	5	2	4	4	7	15	16	24	25	18	17	26	23	24	235	commercial cleaning and livestock process
0301	civil engineering work			50		42		40	38	34	34	40	42	22	36	36	31	33	30	26	16	21	24	22	617	civil engineering work
0804	other commerce			2		2		1	1	2	2			3	1			3	2			1	1	3	24	other commerce
0403	road cargo transportation service					2		1			1	2	2		1	2	1	3	4	4	1	3		2	29	road cargo transportation service
0109	sand and stone products			2		1		2	1	1			1		1				3	3	2		1	2	20	sand and stone







080409	other commerce			2		2		1	1	2	2			3	1			3	2			1	1	3	24	other commerce
030105	bridge construction work					1		2	1	3	3	4	1	1	2	3	2	2						2	27	bridge construction work
030107	river civil engineering work			3		1		6		1				2	1	2	3	1	3		2		2	27	river civil engineering work	
040301	general truck transportation service					2		1				2	2		1	1	1	3	3	3	1	3		2	25	general truck transportation service
011209	other metal products							2	1	1		1	1			2	1	1	3	1		1	2	17	other metal products	
010901	cement products							2						1				1	3	1		1	2	11	cement products	
030110	water supply/sewage construction work			6		5		2	2	6	5	5	8	2	6	4	4	5	1	1	1		2	1	66	water supply/sewage construction work
030109	land consolidation civil engineering work			3		2		2	4	3	2	1	2	5	2	2	4	3	4	2		2	3	1	47	land consolidation civil engineering work
080109	other wholesale					1			1	2				1		3	2	3	3	1	1	2	5	1	26	other wholesale
030102	tunnel construction work			3		2		1		2	1		3			1		1	1	1	1	2		1	20	tunnel construction work
170209	others			2		2			1			1	1		1	1	1		2	2	1		1	17	others	
150109	other cleaning and livestock process service							1			1	1						3	3	1	1	1	2	1	15	other cleaning and livestock process service
011009	other steel products										1					2		2	1	1	2	2	1	12	other steel products	
030104	railway construction work			2				1	2				1		1	1			1	1			1	1	12	railway construction work
011709	other manufacturing			1									1				2				1		1	1	7	other manufacturing
060101	agriculture															2	1					1	1	1	6	agriculture
011109	other nonferrous metal products									1									1		1			1	4	other nonferrous metal products
030203	building facility construction work					3		3	2	1		4	1	5	1	1	2	2	2		1	1	3		32	building facility construction work
030301	electricity/telecommunication work			2		1		2	1	2	1		1	5	1			2	1	2					21	electricity/telecommunication work
030302	machinery/apparatus setting			1		1		1	2	1		1			1	1	1	3		2	1		1		17	machinery/apparatus setting



	work																					work	
020201	quarrying			1				2	1			1					1	2	1	1		11	quarrying
011702	machine repair			1					1	1		1	1					2		1		9	machine repair
030108	sand collapse prevention civil engineering work					1					1	3							1		1	8	sand collapse prevention civil engineering work
080209	other retails			1									1		1	3				1		8	other retails
010909	other sand and stone products			2		1			1	1								1		1		7	other sand and stone products
030111	port/seaside construction work									1		1		1	1							7	port/seaside construction work
011301	machine products			2					1	1								2				6	machine products
060201	lumbering														2	1	1		1			5	lumbering
080204	fuel retail			1		2		1										1				5	fuel retail
020209	other quarrying					1									1				1		1	4	other quarrying
060209	other forestry														1		2			1		4	other forestry
140301	golf course																1		1	2		4	golf course
010401	lumbering								1	1											1	3	lumbering
020202	gravel digging												1							1		3	gravel digging
030101	hydroelectric plant construction work							1								1		1				3	hydroelectric plant construction work
040302	specific truck transportation service														1			1	1			3	specific truck transportation service
150101	building maintenance service														1			1		1		3	building maintenance service
170201	security service														1		2					3	security service
010409	other lumber and wood products																					2	other lumber and wood products
011001	steel/iron/rolling products								1											1		2	steel/iron/rolling products

011101	nonferrous metals/rolling products																			2	nonferrous metals/rolling products	
011701	auto mobile servicing							1											1		2	auto mobile servicing
020309	other mining							1													2	other mining
130201	social welfare facility												1								2	social welfare facility
010109	other foods						1														1	other foods
010802	chemical fiber																				1	chemical fiber
010804	petroleum/coal products							1													1	petroleum/coal products
010903	pottery products																				1	pottery products
010905	other ceramic products										1										1	other ceramic products
011002	casting products						1														1	casting products
011203	metal press products												1								1	metal press products
011305	other precision machine products																				1	other precision machine products
011409	other electrical equipment										1										1	other electrical equipment
011502	auto mobile products																				1	auto mobile products
011509	other transport equipment products							1													1	other transport equipment products
011602	city gas service										1										1	city gas service
011603	city water service																				1	city water service
030103	subway construction work										1										1	subway construction work
040309	other land cargo transportation service										1										1	other land cargo transportation service
050202	port cargo handling service																				1	port cargo handling service
080201	all kinds of retail																				1	all kinds of retail
080202	auto mobile retail																				1	auto mobile retail
	other education/research																					other education/research





	apparatus																					apparatus
011501	ship building																					ship building
011503	railway vehicle products																					railway vehicle products
011601	electric utility service																					electric utility 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
020301	metal mining																					metal mining
020302	petroleum mining																					petroleum mining
040101	railroad service																					railroad service
040102	water transportation service																					water transportation service
040103	airline service																					airline service
040201	taxi service																					taxi service
040202	bus service																					bus service
040209	other passenger transport service																					other passenger transport service
040303	cargo/ light automobile transportation service																					cargo/ light automobile transportation service
040409	other transportation service																					other transportation service
050101	land cargo handling service																					land cargo handling service
050201	general harbor transportation service																					general harbor transportation service
050209	other harbor transportation service																					other harbor transportation service



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			
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			
150104	cremation service																						cremation service			
150105	livestock process service																						livestock process service			
160101	public office																						public office			
170101	dispatch service																						dispatch service			
	total			131		126		131	125	119	120	112	98	104	105	171	186	192	193	181	164	171	162	186	2,777	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)