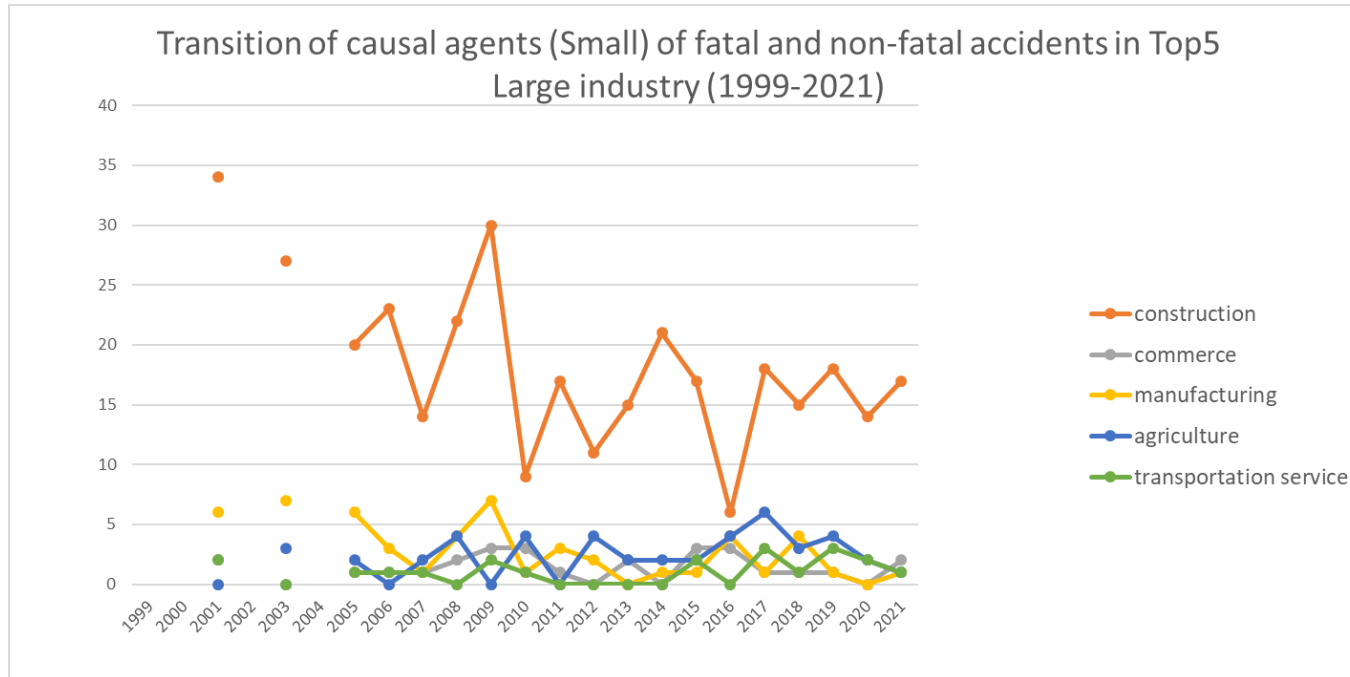
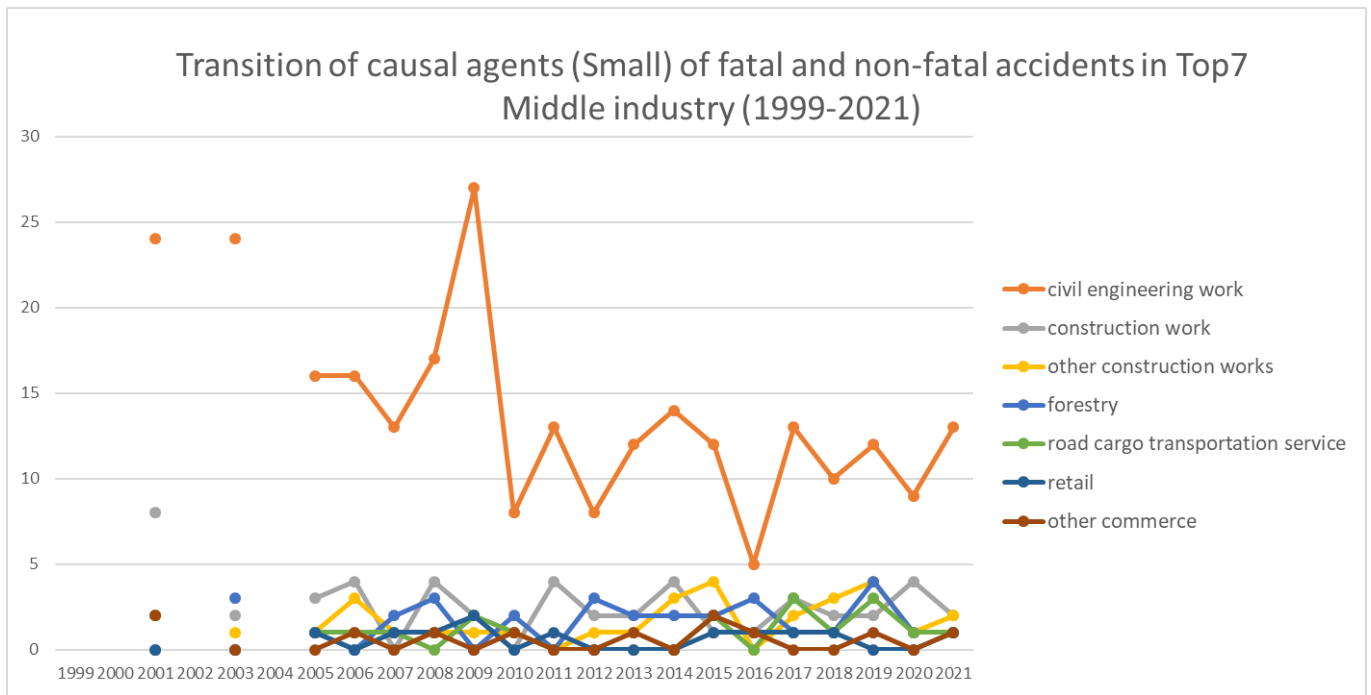


Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 227 rough terrain hauler (1999-2021)

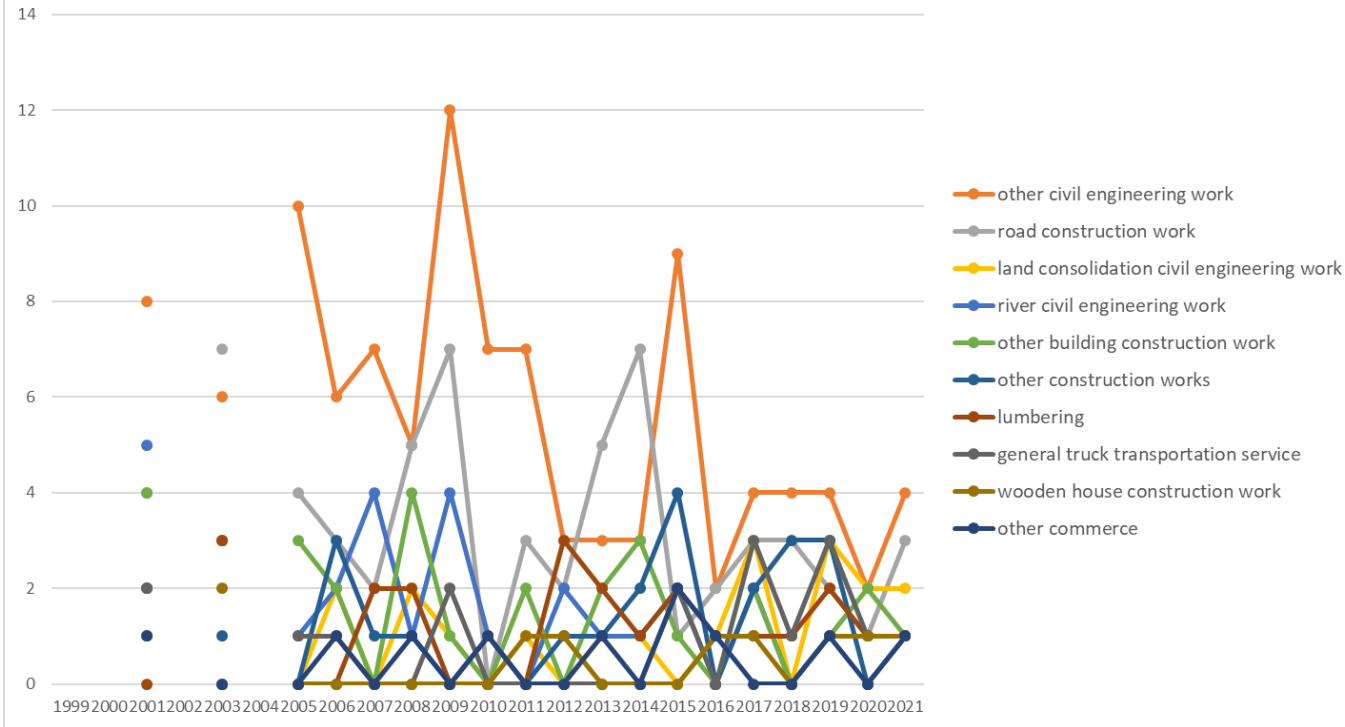


Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 227 rough terrain hauler in Large industry (1999-2021)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 227 rough terrain hauler 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. 227 rough terrain hauler in Small Industry (1999-2021)

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 227 rough terrain hauler 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			34		27		20	23	14	22	30	9	17	11	15	21	17	6	18	15	18	14	17	348	construction
08	commerce			2				1	1	1	2	3	3	1		2		3	3	1	1	1		2	27	commerce
01	manufacturing			6		7		6	3	1	4	7	1	3	2		1	1	4	1	4	1		1	53	manufacturing
06	agriculture					3		2		2	4		4		4	2	2	2	4	6	3	4	2	1	45	agriculture
04	transportation service			2				1	1	1		2	1				2		3	1	3	2	1	20	transportation service	
15	commercial cleaning and livestock process			1		1		1				1					1						2	1	8	commercial cleaning and livestock process
11	telecommunication service																							1	1	telecommunication service

14	hotel/restaurant/amusement service			1		1		1	2		2		1	2		1		2	1	3		2	1		20	hotel/restaurant/amusement service
17	others			1		2		1			3		1			2		1							11	others
02	mining																		1	1					2	mining
05	cargo handling service								1														1		2	cargo handling service
12	education/research service			1																1					2	education/research service
07	livestock/fishery																					1			1	livestock/fishery
16	public office																						1		1	public office
09	financial business/advertisement																									financial business/advertisement
10	movie/play service																									movie/play service
13	health and hygiene service																									health and hygiene service
	total			48		41		33	31	19	37	43	20	23	17	22	25	28	18	34	25	30	23	24	541	total

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 227 rough terrain hauler 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
0301	civil engineering work			24		24		16	16	13	17	27	8	13	8	12	14	12	5	13	10	12	9	13	266	civil engineering work
0302	construction work			8		2		3	4		4	2		4	2	2	4	1	1	3	2	2	4	2	50	construction work
0303	other construction works			2		1		1	3	1	1	1	1		1	1	3	4		2	3	4	1	2	32	other construction works
0602	forestry					3		1		2	3		2		3	2	2	2	3	1	1	4	1	1	31	forestry
0403	road cargo transportation service			2				1	1	1		2	1					2		3	1	3	1	1	19	road cargo transportation service
0802	retail							1		1	1	2		1				1	1	1	1			1	11	retail
0804	other commerce			2					1		1		1			1		2	1			1		1	11	other commerce
0117	other manufacturing			2		1		1						1				1			1			1	8	other manufacturing

1501	commercial cleaning and livestock process			1		1		1						1							2	1	8	commercial cleaning and livestock process		
1101	telecommunication service																					1	1	telecommunication service		
0109	sand and stone products			4		4		4	2	1	3	4	1	1	2			4	1	2	1			34	sand and stone products	
1403	other amusement service			1		1		1	1		1	2		1		2	1	3		2	1			18	other amusement service	
0601	agriculture						1			1		2		1			1	5	2		1			14	agriculture	
1702	others			1		2		1			3	1			2		1								11	others
0801	wholesale										1	2			1			1							5	wholesale
0101	food products					1					1		1												3	food products
0104	wood products					1					1									1					3	wood products
0108	chemical products						1								1										2	chemical products
0202	quarrying																		1	1					2	quarrying
1201	education/research service			1															1						2	education/research service
1401	hotel						1			1															2	hotel
0112	metal products										1														1	metal products
0113	machine products							1																	1	machine products
0115	transport equipment products											1													1	transport equipment products
0401	railroad/water transportation/airline service																				1				1	railroad/water transportation/airline service
0501	land cargo handling service							1																	1	land cargo handling service

080409	other commerce			1				1		1		1			2	1			1		1	10	other commerce	
080209	other retails					1		1		1		1			1		1	1			1	8	other retails	
011702	machine repair			1		1						1			1			1			1	6	machine repair	
150102	industrial waste management service							1							1					2	1	6	industrial waste management service	
030105	bridge construction work			1										1					1		1	4	bridge construction work	
030102	tunnel construction work									1										1	1	3	tunnel construction work	
030104	railway construction work																				1	1	railway construction work	
030302	machinery/apparatus setting work																				1	1	machinery/apparatus setting work	
110101	telecommunication service																				1	1	telecommunication service	
010909	other sand and stone products			4		4		4	1		3	2	1	1	2			3	1	2	1		29	other sand and stone products
140301	golf course			1		1		1	1		1	1	2		1		1	1	3		1		15	golf course
030108	sand collapse prevention civil engineering work			2		3		1	1			1		2	1	1	1		1				14	sand collapse prevention civil engineering work
060101	agriculture							1			1		2		1			1	5	2	1		14	agriculture
030110	water supply/sewage construction work			1		2			2		3	1			1				1		2		13	water supply/sewage construction work
030201	steel frame/reinforced concrete house construction work			3					1			1		1	1					2	1		11	steel frame/reinforced concrete house construction work
060209	other forestry							1			1		2			1		2			2		9	other forestry
170209	others			1		2		1							2		1						7	others
010901	cement products								1	1		2						1					5	cement products
030101	hydroelectric plant construction work			1								1								2	1		5	hydroelectric plant construction work

030301	electricity/telecommunication work								1						1								1			1			5	electricity/telecommunication work
080109	other wholesale												1			1													4	other wholesale
170201	security service																												4	security service
140309	other amusement service																												3	other amusement service
010105	alcoholic drinks																												2	alcoholic drinks
010401	lumbering																												2	lumbering
010805	plastics products																												2	plastics products
020202	gravel digging																												2	gravel digging
040302	specific truck transportation service																												2	specific truck transportation service
080204	fuel retail																												2	fuel retail
120109	other education/research service																												2	other education/research service
140101	hotel																												2	hotel
150103	other waste disposal service																												2	other waste disposal service
010104	bread/cake products																												1	bread/cake products
010402	plywood																												1	plywood
011209	other metal products																												1	other metal products
011301	machine products																												1	machine products
011502	auto mobile products																												1	auto mobile products
011701	auto mobile servicing																												1	auto mobile servicing
011709	other manufacturing																												1	other manufacturing
030203	building facility construction work																												1	building facility construction work
040101	railroad service																												1	railroad service
050101	land cargo handling service																												1	land cargo handling service

011102	products																						products
011109	other nonferrous metal products																						other nonferrous metal products
011201	western tableware/cutting tool products																						western tableware/cutting tool products
011202	screw products																						screw products
011203	metal press products																						metal press products
011204	metal plating products																						metal plating products
011302	measuring instruments																						measuring instruments
011303	optical instruments																						optical instruments
011304	watch products																						watch products
011305	other precision machine products																						other precision machine products
011401	heavy electrical equipment																						heavy electrical equipment
011402	electrical appliance																						electrical appliance
011403	electronics equipment and telecommunications apparatus																						electronics equipment and telecommunications apparatus
011409	other electrical equipment																						other electrical equipment
011501	ship building																						ship building
011503	railway vehicle products																						railway vehicle products
011509	other transport equipment products																						other transport equipment products
011601	electric utility service																						electric utility service
011602	city gas service																						city gas service
011603	city water service																						city water service
	other electric/gas/water																						other electric/gas/water

050202	port cargo handling service																							port cargo handling service
070101	livestock																							livestock
070209	other fishery																							other fishery
080102	furniture/fittings wholesale																							furniture/fittings wholesale
080202	auto mobile retail																							auto mobile retail
080203	furniture/fittings retail																							furniture/fittings retail
080205	newspaper retail																							newspaper retail
080301	haircut																							haircut
080302	beauty salon																							beauty salon
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
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

130201	social welfare facility																								social welfare facility	
130301	bathhouse																								bathhouse	
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	
150101	building maintenance service																								building maintenance service	
150104	cremation service																								cremation service	
150105	livestock process service																								livestock process service	
150109	other cleaning and livestock process service																								other cleaning and livestock process service	
170101	dispatch service																								dispatch service	
170202	information processing service																								information processing service	
	total			48		41		33	31	19	37	43	20	23	17	22	25	28	18	34	25	30	23	24	541	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