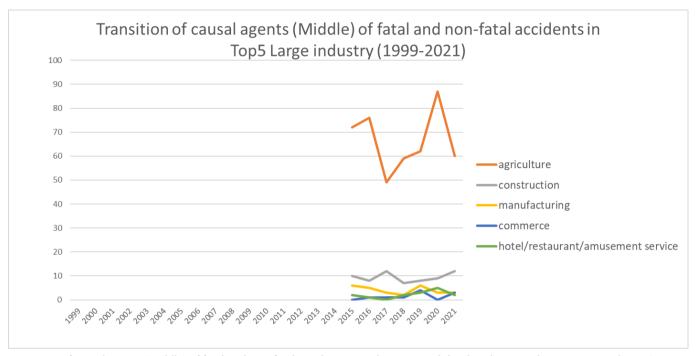
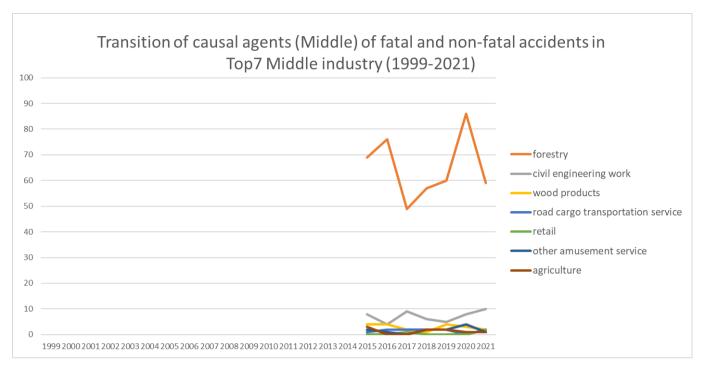
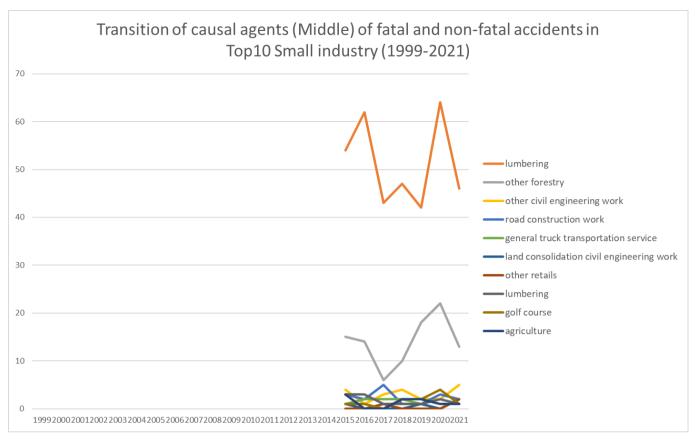
Transition of causal agents (Middle) of fatal and non-fatal accidents as code no. 17 mobile silviculture machine (1999-2021)



Transition of causal agents (Middle) of fatal and non-fatal accidents as code no. 17 mobile silviculture machine in Large industry (1999-2021)



Transition of causal agents (Middle) of fatal and non-fatal accidents as code no. 17 mobile silviculture machine in Middle Industry (1999-2021)



Transition of causal agents (Middle) of fatal and non-fatal accidents as code no. 17 mobile silviculture machine in Small Industry (1999-2021)

Transition of causal agents (Middle) of fatal and non-fatal accidents as code no. 17 mobile silviculture 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																	72	76	49	59	62	87	60	465	agriculture
03	construction																	10	8	12	7	8	9	12	66	construction
01	manufacturing																	6	5	3	2	6	3	3	28	manufacturing
08	commerce																		1	1	1	4		3	10	commerce
14	hotel/restaurant/amusement																	2	1		2	2	5	2	15	hotel/restaurant/amusement
11	service																		<u> </u>						13	service
04	transportation service																	1	2	2	2	2		2	11	transportation service
17	others																				1	1		1	3	others

15	commercial cleaning and livestock process										1		1	1			3	commercial cleaning and
05	cargo handling service										1		1				2	cargo handling service
12	education/research service												1		1		2	education/research service
02	mining											1					1	mining
07	livestock/fishery										1						1	livestock/fishery
13	health and hygiene service														1		1	health and hygiene service
09	financial																	financial
09	business/advertisement																	business/advertisement
10	movie/play service																	movie/play service
11	telecommunication service																	telecommunication service
16	public office																	public office
	total									91	96	68	77	87	106	83	608	total

Transition of causal agents (Middle) of fatal and non-fatal accidents as code no. 17 mobile silviculture 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																	69	76	49	57	60	86	59	456	forestry
0301	civil engineering work																	8	4	9	6	5	8	10	50	civil engineering work
0104	wood products																	4	4	2	1	4	3	2	20	wood products
0403	road cargo transportation service																	1	2	2	2	2		2	11	road cargo transportation service
0802	retail																			1				2	3	retail
1403	other amusement service																	2	1		2	2	4	1	12	other amusement service
0601	agriculture																	3			2	2	1	1	9	agriculture
0302	construction work																	2	2	2		1		1	8	construction work

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0303	other construction works												2	1	1	2	1	1	8	other construction
														_					-	
0117	other manufacturing											2		1	1			1	5	other manufacturing
0804	other commerce															2		1	3	other commerce
1702	others														1	1		1	3	others
1402	restaurant																	1	1	restaurant
0801	wholesale												1		1	2			4	wholesale
1501	commercial cleaning and livestock process												1		1	1			3	commercial cleaning and livestock process
0502	harbor transportation service												1		1				2	harbor transportation service
1201	education/research service														1		1		2	education/research service
1401	hotel															1	1		2	hotel
0101	food products															1			1	food products
0107	printing/bookbinding															1			1	printing/bookbinding
0116	electric/gas/water service												1						1	electric/gas/water service
0202	quarrying													1					1	quarrying
0701	livestock												1						1	livestock
1303	other health and hygiene service																1		1	other health and hygiene service
0102	textile products																			textile products
0103	fiber products																			fiber products
0105	furniture																			furniture
0106	pulp/paper processing products																			pulp/paper processing products

0108	chemical products												chemical products
0109	sand and stone products												sand and stone
0110	steel making												steel making
0111	nonferrous metal making												nonferrous metal making
0112	metal products												metal products
0113	machine products												machine products
0114	electrical equipment products												electrical equipment products
0115	transport equipment products												transport equipment products
0201	coal mining												coal mining
0203	other mining												other mining
0401	railroad/water transportation/airline service												railroad/water transportation/airline service
0402	road passenger transport service												road passenger transport service
0404	other transportation service												other transportation service
0501	land cargo handling service												land cargo handling service
0702	fishery												fishery
0803	haircut/beauty salon												haircut/beauty salon
0901	financial business												financial business
0902	advertisement and mediator												advertisement and

																		mediator
1001	movie/play service																	movie/play service
1101	telecommunication service																	telecommunication
	telecommunication service																	service
1201	an adical treatment couries																	medical treatment
1301	medical treatment service																	service
1302	social welfare facility																	social welfare facility
1601	public office																	public office
1701	dispatch service																	dispatch service
	total									91	96	68	77	87	106	83	608	total

Transition of causal agents (Middle) of fatal and non-fatal accidents as code no. 17 mobile silviculture machine in Small industry (1999-2021)

code	Small industry	1999	2000	2001	2002	2003	2004	2005	2006 20	007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Small industry
060201	lumbering																	54	62	43	47	42	64	46	358	lumbering
060209	other forestry																	15	14	6	10	18	22	13	98	other forestry
030199	other civil engineering work																	4	1	3	4	2	2	5	21	other civil engineering work
030106	road construction work																	3	2	5	1	1	3	2	17	road construction work
040301	general truck transportation service																	1	2	2	2	1		2	10	general truck transportation service
030109	land consolidation civil engineering work																	1				1		2	4	land consolidation civil engineering work
080209	other retails																			1				2	3	other retails
010401	lumbering																	3	3	1	1	1	2	1	12	lumbering
140301	golf course																	1	1		2	2	4	1	11	golf course
060101	agriculture																	3			2	2	1	1	9	agriculture
010409	other lumber and wood																	1	1	1		3	1	1	8	other lumber and wood

	products																	products
030309	other construction works										2	1	1	2		1	7	other construction works
030107	river civil engineering work										1			1	2	1	5	river civil engineering work
011702	machine repair									2		1				1	4	machine repair
080409	other commerce													2		1	3	other commerce
030202	wooden house construction															1	1	wooden house construction work
140201	general restaurant															1	1	general restaurant
170201	security service															1	1	security service
030209	other building construction work									1		2		1			4	other building construction work
080109	other wholesale										1		1	2			4	other wholesale
030108	sand collapse prevention civil engineering work												1		1		2	sand collapse prevention civ
030201	steel frame/reinforced concrete house construction work									1	1						2	steel frame/reinforced concrete house construction work
120109	other education/research service												1		1		2	other education/research service
140101	hotel													1	1		2	hotel
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
011703	cleaning												1				1	cleaning

020201	quarrying										1				1	quarrying
030102	tunnel construction work										1				1	tunnel construction work
030203	building facility construction work									1					1	building facility construction work
030301	electricity/telecommunication work													1	1	electricity/telecommunication work
040302	specific truck transportation service												1		1	specific truck transportation service
050201	general harbor transportation service											1			1	general harbor transportation service
050202	port cargo handling service									1					1	port cargo handling service
070101	livestock									1					1	livestock
130309	other health and hygiene service													1	1	other health and hygiene service
140309	other amusement service								1						1	other amusement service
150103	other waste disposal service												1		1	other waste disposal service
010102	fishery products															fishery products
010103	agricultural food products															agricultural food products
010104	bread/cake products															bread/cake products
010105	alcoholic drinks															alcoholic drinks
010106	soft drinks															soft drinks
010109	other foods															other foods
010201	silk-reeling															silk-reeling
010202	cotton-spinning															cotton-spinning
010203	weaving															weaving
010204	dyeing															dyeing
010209	other textile products															other textile products

010301	over/under wear											over/under wear
010309	other fiber products											other fiber products
010402	plywood											plywood
010501	wood furniture											wood furniture
010502	metal furniture											metal furniture
010503	fittings											fittings
010509	other furniture											other furniture
010601	pulp/paper											pulp/paper
010602	paper processing products											paper processing products
010609	other pulp/paper processing											other pulp/paper processing
	products											products
010702	bookbinding											bookbinding
010709	other printing and											other printing and
	bookbinding											bookbinding
010801	non organic or organic											non organic or organic
	chemical products											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											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
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
011209	other metal products											other metal products
011301	machine products											machine 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
011502	auto mobile products													auto mobile products
011503	railway vehicle products													railway vehicle products
011509	other transport equipment products													other transport equipment products
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
011701	auto mobile servicing													auto mobile servicing
011704	tobacco products													tobacco products
011709	other manufacturing													other manufacturing
020101	general coal mining													general coal mining
020109	other coal mining													other coal mining
020202	gravel digging													gravel digging
020209	other quarrying													other quarrying
020301	metal mining													metal mining
020302	petroleum mining													petroleum mining
020309	other mining													other mining
030101	hydroelectric plant construction work													hydroelectric plant construction work

030103	subway construction work											 _							subway construction work
030104	railway construction work																		railway construction work
030105	bridge construction work																		bridge construction work
030110	water supply/sewage																		water supply/sewage
030110	construction work																		construction work
030111	port/seaside construction																		port/seaside construction
030111	work																		work
030302	machinery/apparatus setting																		machinery/apparatus setting
	work																		work
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																		other passenger transport
040209	service																		service
040303	cargo/ light automobile																		cargo/ light automobile
040303	transportation service																		transportation service
040309	other land cargo																		other land cargo
040309	transportation service																		transportation service
040409	other transportation service																		other transportation service
050101	land cargo handling service																		land cargo handling service
050300	other harbor transportation																		other harbor transportation
050209	service																		service
070201	fishery																		fishery
070209	other fishery																		other fishery
080101	all kinds of wholesale																		all kinds of wholesale
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080102	furniture/fittings wholesale													furniture/fittings wholesale
080201	all kinds of retail													all kinds of retail
080202	auto mobile retail													auto mobile retail
080203	furniture/fittings retail													furniture/fittings retail
080204	fuel retail													fuel retail
080205	newspaper retail													newspaper retail
080301	haircut													haircut
080302	beauty salon													beauty salon
080401	warehousing													warehousing
090101	banking/trust business													banking/trust business
090102	stock/commodity trade													stock/commodity trade
030102	business													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
110101	telecommunication service											Ĭ		telecommunication service
120101	auto mobile practical training											Ì		auto mobile practical training
120102	software service													software service
130101	hospital													hospital
130102	general clinic													general clinic

130109	other medical treatment																	other medical treatment
	service																	service
130201	social welfare facility																	social welfare facility
130301	bathhouse																	bathhouse
140209	other restaurants																	other restaurants
140302	park and amusement park																	park and amusement park
150101	building maintenance service																	building maintenance service
150102	industrial waste management																	industrial waste management
	service																	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																	information processing
- 11	service																	service
	total									91	96	68	77	87	106	83	608	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