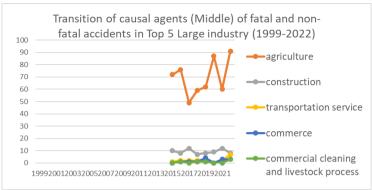
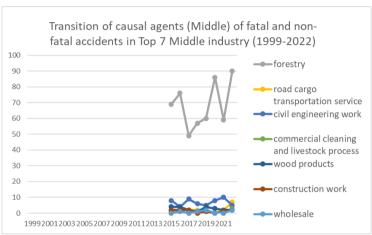
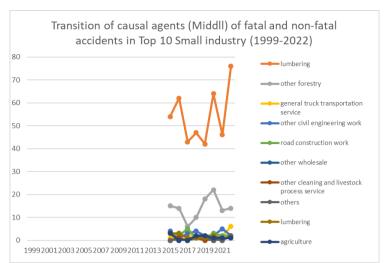
Transition of causal agents (Middle) of fatal and non-fatal accidents as code no. 17 mobile silviculture machine (1999-2022)



Transition of causal agents (Middle) of fatal and non-fatal accidents as code no. 17 mobile silviculture machine in Large industry (1999-2022)



Transition of causal agents (Middle) of fatal and non-fatal accidents as code no. 17 mobile silviculture machine in Middle Industry (1999-2022)



Transition of causal agents (Middle) of fatal and non-fatal accidents as code no. 17 mobile silviculture machine in Middle Industry (1999-2022)

Transition of causal agents (Middle) of fatal and non-fatal accidents as code no. 17 mobile silviculture machine in Large industry (1999-2022)

	tion of causar agents (white) of f																		1		1	1	1	1		1
code	Large industry	1999	2000	2001	2002	2003	2004	2005	2006	2007 200	8 200	9 2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total	Large industry
06	agriculture																72	76	49	59	62	87	60	91	556	agriculture
03	construction																10	8	12	7	8	9	12	8	74	construction
04	transportation service																1	2	2	2	2		2	7	18	transportation service
08	commerce																	1	1	1	4		3	3	13	commerce
15	commercial cleaning and livestock process																	1		1	1			3	6	commercial cleaning and livestock process
01	manufacturing																6	5	3	2	6	3	3	2	30	manufacturing
17	others																			1	1		1	2	5	others
14	hotel/restaurant/amusement service																2	1		2	3	5	2		15	hotel/restaurant/amusement service
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 business/advertisement																									financial 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	116	724	total

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

0602	forestry									59	76	49	57	60	86	59	90	546	forestry
0403	road cargo transportation service									l	2	2	2	2		2	7	18	road cargo transportation service
0301	civil engineering work									3	4	9	6	5	8	10	5	55	civil engineering work
1501	commercial cleaning and livestock process										1		1	1			3	6	commercial cleaning and livestock process
0104	wood products									1	4	2	1	4	3	2	2	22	wood products
0302	construction work									2	2	2		1		1	2	10	construction work
0801	wholesale										1		1	2			2	6	wholesale
1702	others												1	1		1	2	5	others
0601	agriculture									3			2	2	1	1	1	10	agriculture
0303	other construction works										2	1	1	2	1	1	1	9	other construction works
0802	retail											1				2	1	4	retail
1403	other amusement service									2	1		2	2	4	1		12	other amusement service
0117	other manufacturing									2		1	1			1		5	other manufacturing
0804	other commerce													2		1		3	other commerce
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
1402	restaurant															1		1	restaurant
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 products
0110	steel making																		steel making
	nonferrous metal making																		nonferrous metal making
	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 service
1301	medical treatment service																		medical treatment 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	116	724	total

Transition of causal agents (Middle) of fatal and non-fatal accidents as code no. 17 mobile silviculture machine in Middle industry (1999-2022)

	1																								1		1
code	Small 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	Small industry
060201	lumbering																	54	62	43	47	42	64	46	76	434	lumbering
060209	other forestry																	15	14	6	10	18	22	13	14	112	other forestry
040301	general truck transportation service																	1	2	2	2	1		2	6	16	general truck transportation service
030199	other civil engineering work																	4	1	3	4	2	2	5	2	23	other civil engineering work
030106	road construction work																	3	2	5	1	1	3	2	2	19	road construction work
	other wholesale																		1		1	2			2	6	other wholesale
150109	other cleaning and livestock process service																		1		1				2	4	other cleaning and livestock process service
170209	others																				1	1			2	4	others
010401	lumbering																	3	3	1	1	1	2	1	1	13	lumbering
060101	agriculture																	3			2	2	1	1	1	10	agriculture
																					1						

010409 otl	her lumber and wood oducts									1	1	1		3	1	1	1	9	other lumber and wood products
030309 otl	her construction works										2	1	1	2		1	1	8	other construction works
030109 lar	nd consolidation civil gineering work									1				1		2	1	5	land consolidation civil engineering work
	her building construction ork									1		2		1			1	5	other building construction work
030202 wc	ooden house construction ork															1	1	2	wooden house construction work
	ecific truck transportation rvice													1			1	2	specific truck transportations
080204 fue																	1	1	fuel retail
150102 inc	dustrial waste management rvice																1	1	industrial waste managem service
140301 go	olf course									1	1		2	2	4	1		11	golf course
)30107 riv	ver civil engineering work										1			1	2	1		5	river civil engineering wo
011702 ma	achine repair									2		1				1		4	machine repair
080209 otl	her retails											1				2		3	other retails
	her commerce													2		1		3	other commerce
030108 sai	nd collapse prevention vil engineering work												1		1			2	sand collapse prevention civil engineering work
030201 co	eel frame/reinforced oncrete house construction ork									1	1							2	steel frame/reinforced concrete house constructi work
	her education/research rvice												1		1			2	other education/research service
140101 ho	otel													1	1			2	hotel
010101 me	eat/dairy products													1				1	meat/dairy products
010701 pri	inting service													1				1	printing service
011601 ele	ectric utility service										1							1	electric utility service
011703 cle	eaning												1					1	cleaning
020201 qu	ıarrying											1						1	quarrying
030102 tui	nnel construction work											1						1	tunnel construction work
030203 wc	nilding facility construction ork										1							1	building facility construct work
030301 ele	ectricity/telecommunication ork														1			1	electricity/telecommunica
050201 ge	neral harbor transportation rvice												1					1	general harbor transportations
050202 po	ort cargo handling service										1							1	port cargo handling service
070101 liv	vestock										1							1	livestock
130309 oth	her health and hygiene rvice														1			1	other health and hygiene service
140201 ge	eneral restaurant															1		1	general restaurant
	her amusement service									1				1			1	1	other amusement service

150103 other waste disposal service												1			1	other waste disposal service
170201 security service													1		1	security 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 products																other pulp/paper processing products
010702 bookbinding														i		bookbinding
010709 other printing and bookbinding										Ì	ĺ					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			$\Box$							T i	Ti					fire resisting products
010905 other ceramic products																other ceramic products

<u> </u>	 	 	 								 	 	 		 		
010909 other sand and stone products																ll ll	ner sand and stone oducts
011001 steel/iron/rolling products																ste	eel/iron/rolling products
011002 casting products																cas	sting products
011009 other steel products																oth	ner steel products
011101 nonferrous metals/rolling products																	nferrous metals/rolling oducts
011102 nonferrous metals casting products																	nferrous metals casting oducts
011109 other nonferrous metal products																	ner nonferrous metal oducts
011201 western tableware/cutting tool products																	estern tableware/cutting ol products
011202 screw products																scr	rew products
011203 metal press products																me	etal press products
011204 metal plating products																me	etal plating products
011209 other metal products																oth	ner metal products
011301 machine products																ma	achine products
011302 measuring instruments																me	easuring instruments
011303 optical instruments				أأأأ		i			Ti						Ti	op	tical instruments
011304 watch products																wa	atch products
011305 other precision machine products																	ner precision machine oducts
011401 heavy electrical equipment						i	ĺ									hea	avy electrical equipment
011402 electrical appliance																ele	ectrical appliance
electronics equipment and telecommunications apparatus																tel	ectronics equipment and ecommunications paratus
011409 other electrical equipment																oth	ner electrical equipment
011501 ship building																shi	ip building
011502 auto mobile products																aut	to mobile products
011503 railway vehicle products																rai	lway vehicle products
other transport equipment products																	ner transport equipment oducts
011602 city gas service																cit	y gas service
011603 city water service						i				Ti							y water service
other electric/gas/water service																oth	ner electric/gas/water rvice
011701 auto mobile servicing					i			i		Ti		$\neg$			Ti-	aut	to mobile servicing
011704 tobacco products								<del></del>		<del></del>		$\neg \vdash$			<u> </u>		pacco products
011709 other manufacturing					i i	Ī	Ti-	T		Ti		$\neg \vdash$			Ti-		ner manufacturing
020101 general coal mining								i		<del></del>		$\neg \vdash$		i			neral coal mining
020109 other coal mining						T		T		Ti	T	$\neg \vdash$		i			ner coal mining
020202 gravel digging								i		i		$\neg$					avel digging
				ii		il e	<u> </u>	i			<u>—</u>  -		 Ti-	ī	i		

	other quarrying					$\sqsubseteq$							_	<u> </u>  -	<u> -</u>	_  -	other quarrying
	metal mining					$\sqsubseteq$							_	<u> </u>	_ _	_	metal mining
	petroleum mining					Щ							<u></u>  _	_			petroleum mining
	other mining					Щ							_				other mining
030101	hydroelectric plant construction work																hydroelectric plant construction work
030103	subway construction work																subway construction work
030104	railway construction work																railway construction worl
	bridge construction work																bridge construction work
030110	water supply/sewage construction work																water supply/sewage construction work
	port/seaside construction work																port/seaside construction work
030302	machinery/apparatus setting work																machinery/apparatus setti work
040101	railroad service																railroad service
	water transportation service																water transportation servi
040103	airline service																airline service
040201	taxi service																taxi service
040202	bus service																bus service
	other passenger transport service																other passenger transport service
040303	cargo/ light automobile transportation service																cargo/ light automobile transportation service
040309	other land cargo transportation service																other land cargo transportation service
)40409	other transportation service																other transportation servi
050101	land cargo handling service																land cargo handling servi
050209	other harbor transportation service																other harbor transportation service
070201	fishery																fishery
070209	other fishery																other fishery
080101	all kinds of wholesale																all kinds of wholesale
080102	furniture/fittings wholesale																furniture/fittings wholesa
080201	all kinds of retail																all kinds of retail
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
080401	warehousing																warehousing
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
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																		telecommunication service
120101 auto mobile practical training																		auto mobile practical training
120102   software service																		software service
130101 hospital																		hospital
130102 general clinic																		general clinic
other medical treatment service																		other medical treatment 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
150104 cremation service																		cremation service
150105 livestock process service																		livestock process service
160101 public office																		public office
170101 dispatch service																		dispatch service
information processing service																		information processing service
total									91	96	68	77	87	106	83	116	724	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