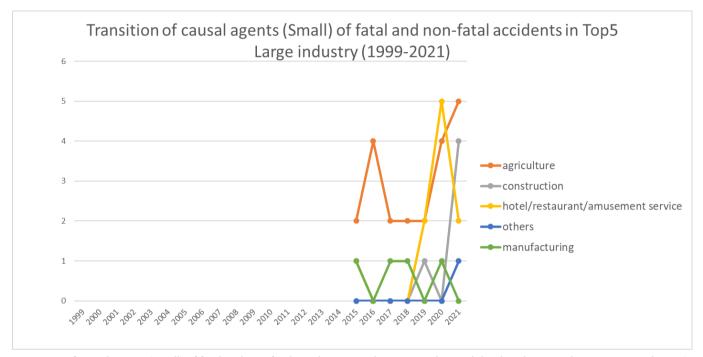
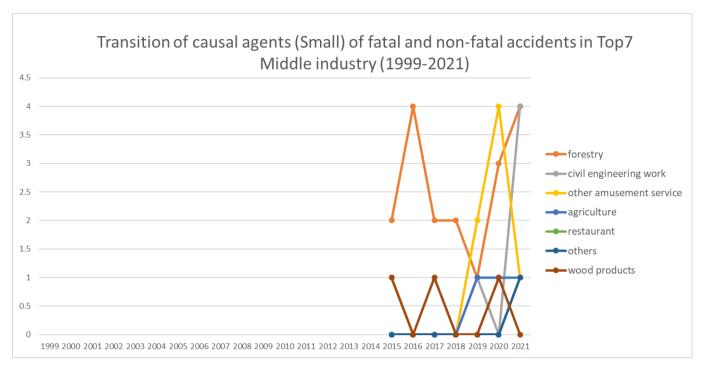
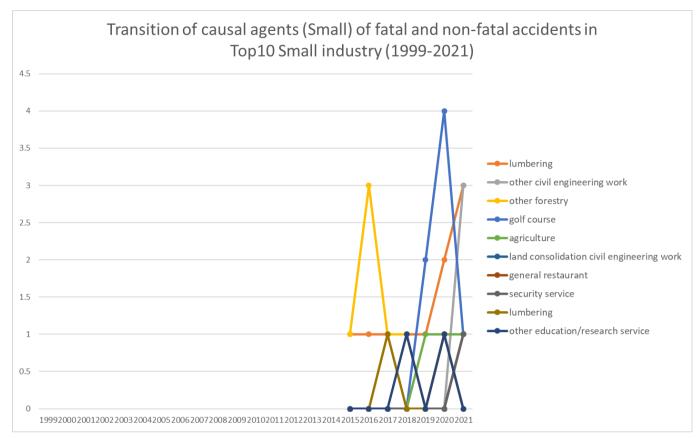
Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 179 other mobile silviculture machine (1999-2021)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 179 other mobile silviculture machine in Large industry (1999-2021)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 179 other mobile silviculture machine in Middle Industry (1999-2021)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 179 other mobile silviculture machine in Small Industry (1999-2021)

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 179 other 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																	2	4	2	2	2	4	5	21	agriculture
03	construction																					1		4	5	construction
14	hotel/restaurant/amusement																	1				2	5	2	10	hotel/restaurant/amusement
11	service																									service
17	others																							1	1	others
01	manufacturing																	1		1	1		1		4	manufacturing
12	education/research service																				1		1		2	education/research service
04	transportation service																		1						1	transportation service

05	cargo handling service												1				1	cargo handling service
08	commerce													1			1	commerce
13	health and hygiene service														1		1	health and hygiene service
02	mining																	mining
07	livestock/fishery																	livestock/fishery
09	financial																	financial
09	business/advertisement																	business/advertisement
10	movie/play service																	movie/play service
11	telecommunication service																	telecommunication service
15	commercial cleaning and																	commercial cleaning and
	livestock process																	livestock process
16	public office																	public office
	total									4	5	3	5	6	12	12	47	total

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 179 other 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																	2	4	2	2	1	3	4	18	forestry
0301	civil engineering work																					1		4	5	civil engineering work
1403	other amusement service																	1				2	4	1	8	other amusement
																										service
0601	agriculture																					1	1	1	3	agriculture
1402	restaurant																							1	1	restaurant
1702	others																							1	1	others
0104	wood products																	1		1			1		3	wood products
1201	education/research service																				1		1		2	education/research
1201	education/research service																								_	service

<b> </b>			-		 -	-		 	 					$\vdash\vdash$	
0117	other manufacturing										1			1	other manufacturing
0403	road cargo transportation service									1				1	road cargo transportation service
0502	harbor transportation service										1			1	harbor transportation service
0804	other commerce											1		1	other commerce
1303	other health and hygiene service												1	1	other health and hygiene service
1401	hotel												1	1	hotel
0101	food products														food products
0102	textile products														textile products
0103	fiber products														fiber products
0105	furniture														furniture
0106	pulp/paper processing products														pulp/paper processing products
0107	printing/bookbinding														printing/bookbinding
0108	chemical products														chemical products
0109	sand and stone products														sand and stone products
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
															transport equipment

0115	transport equipment products													products
0116	electric/gas/water service													electric/gas/water service
0201	coal mining													coal mining
0202	quarrying													quarrying
0203	other mining													other mining
0302	construction work													construction work
0303	other construction works													other construction works
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
0701	livestock													livestock
0702	fishery													fishery
0801	wholesale													wholesale
0802	retail													retail
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
1302	social welfare facility																	social welfare facility
1501	commercial cleaning and livestock process																	commercial cleaning and livestock process
1601	public office																	public office
1701	dispatch service																	dispatch service
	total									4	5	3	5	6	12	12	47	total

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 179 other mobile silviculture machine in Small industry (1999-2021)

code	Small industry	1999	2000	2001	2002	2003	2004	2005	2006 2	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Small industry
060201	lumbering																	1	1	1	1	1	2	3	10	lumbering
030199	other civil engineering work																							3	3	other civil engineering work
060209	other forestry																	1	3	1	1		1	1	8	other forestry
140301	golf course																					2	4	1	7	golf course
060101	agriculture																					1	1	1	3	agriculture
030109	land consolidation civil																							1	1	land consolidation civil
	engineering work																							<u> </u>	<u> </u>	engineering work
140201	general restaurant																							1	1	general restaurant
170201	security service																							1	1	security service
010401	lumbering																			1			1		2	lumbering
120109	other education/research																				1		1		2	other education/research
	service																						'			service
010409	other lumber and wood																	1							1	other lumber and wood

	products															products
011703	cleaning											1			1	cleaning
030107	river civil engineering work												1		1	river civil engineering work
040301	general truck transportation service										1				1	general truck transportation service
050201	general harbor transportation service											1			1	general harbor transportation service
080409	other commerce												1		1	other commerce
130309	other health and hygiene service													1	1	other health and hygiene service
140101	hotel													1	1	hotel
140309	other amusement service									1					1	other amusement service
010101	meat/dairy products															meat/dairy products
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

							السلا	الصل							
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
010701	printing service														printing service
010702	bookbinding														bookbinding
010709	other printing and bookbinding														other printing and bookbinding
010801	non organic or organic														non organic or organic
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
				i	i			i	——i		i				

other ceramic products other sand and stone products other seal products other neal products other metal products other precision machine products	010904	fire resisting products												fire resisting products
products    products   products   products	010905	other ceramic products												other ceramic products
products	010909													other sand and stone
011002 casting products 011009 other steel products 011101 products 011101 products 011102 products 011102 products 011103 products 011104 products 011105 products 011106 products 011106 products 011107 products 011109 pro	010303													products
011009 other steel products  011101 products  011102 products  011103 products  011103 products  011104 products  011105 products  011105 products  011106 products  011107 products  011108 products  011109 products  011109 products  011100 products  011100 products  011100 products  011101 products  011101 products  011102 products  011103 products  011104 metal plating products  011105 products  011106 products  011107 products  011108 products  011109 products  011109 products  011100 product	011001	steel/iron/rolling products												steel/iron/rolling products
nonferrous metals/rolling products  nonferrous metals casting products  nother nonferrous metal products  nother nonferrous metal products  nother nonferrous metal products  western tableware/cutting tool products  not products  not products  netal press products  netal press products  netal plating products  netal plating products  netal plating products  netal plating products  nother metal products  nother metal products  nachine products  nachine products  nachine products  nachine products  nother precision machine products	011002	casting products												casting products
Dillion   products	011009	other steel products												other steel products
products   Inferrors metals casting products   Inferrors metals products   Inferrors metal products   Inferror modern metals products   Inferror metals product	011101	nonferrous metals/rolling												nonferrous metals/rolling
other nonferrous metal products  western tableware/cutting tool products  other products  other nonferrous metal products  western tableware/cutting tool products  other products  other nonferrous metal products  other nonferrous metal products  screw products  other nonferrous metal products  other nonferrous metal products  other products  other products  metal press products  metal press products  other metal products  other products  other products  other products  other precision machine products	011101	products												products
products other nonferrous metal products  western tableware/cutting tool products  11201 tool products  11202 screw products 11203 metal press products 11204 metal plating products 11205 other metal products 11206 other metal products 11206 other metal products 11207 other metal products 11208 metal products 11209 other metal products 11200 measuring instruments 11200 measur	011102	nonferrous metals casting												nonferrous metals casting
011201 western tableware/cutting tool products  011202 screw products  011203 metal press products  011204 metal plating products  011209 other metal products  011301 machine products  011302 measuring instruments  011303 optical instruments  011304 watch products  011305 products  011305 products  011401 heavy electrical equipment  011401 heavy electrical equipment  011401 heavy electrical equipment  011501 western tableware/cutting tool products  011202 western tableware/cutting tool products  011203 metal products  011204 metal press products  011205 metal press products  011306 machine products  011307 measuring instruments  011308 watch products  011401 heavy electrical equipment  011401 heavy electrical equipment														products
western tableware/cutting tool products  011201 cool products  011202 screw products  011203 metal press products  011204 metal plating products  011209 other metal products  011301 machine products  011302 measuring instruments  011303 optical instruments  011304 watch products  011305 other precision machine products  011305 products  011401 heavy electrical equipment  011401 heavy electrical equipment  011401 heavy electrical equipment  011401 heavy electrical equipment  011202 western tableware/cutting tool products  011203 crew products  011204 metal press products  011205 metal plating products  011206 other metal products  011207 metal plating products  011308 measuring instruments  011309 other precision machine products  011301 meavy electrical equipment	011109	other nonferrous metal												other nonferrous metal
tool products  11202 screw products  11203 metal press products  11204 metal plating products  11209 other metal products  11301 machine products  11302 measuring instruments  11303 optical instruments  11304 watch products  11305 other precision machine products  11306 other products  11307 other precision machine products  11308 other precision machine products  11309 other precision machine products  11300 other precision machine products  11301 other precision machine products  11302 other precision machine products  11303 other precision machine products  11304 other precision machine products  11305 other precision machine products  11306 other precision machine products  11307 other precision machine products  11308 other precision machine products  11309 other precision machine products  11300 other precision machine products		products												products
011202 screw products 011203 metal press products 011204 metal plating products 011209 other metal products 011301 machine products 011302 measuring instruments 011303 optical instruments 011304 watch products 011305 other precision machine products 011305 other precision machine 011305 products 011401 heavy electrical equipment 011401 heavy electrical equipment 011505 measuring instruments 01160 measuring instruments 01170 measuring instruments 01170 measuring instruments 01180 measuring instruments	011201	_												_
011203 metal press products 011204 metal plating products 011209 other metal products 011301 machine products 011302 measuring instruments 011303 optical instruments 011304 watch products 011305 other precision machine products 011305 other precision machine products 011306 other precision machine products 011307 other precision machine products 011308 other precision machine products 011309 other precision machine products 011300 other precision machine products														tool products
011204 metal plating products 011209 other metal products 011301 machine products 011302 measuring instruments 011303 optical instruments 011304 watch products 011305 other precision machine products 011306 other precision machine products 011307 other precision machine products 011308 other precision machine products 011309 other precision machine products 011300 other precision machine products 011301 other precision machine products 011302 other precision machine products 011303 other precision machine products 011304 other precision machine products 011305 other precision machine products 011306 other precision machine products 011401 heavy electrical equipment	011202	screw products												screw products
011209 other metal products 011301 machine products 011302 measuring instruments 011303 optical instruments 011304 watch products 011305 other precision machine products 011306 other precision machine products 011307 other precision machine products 011308 other precision machine products 011309 other precision machine products 011300 other precision machine products	011203	metal press products												metal press products
011301 machine products  011302 measuring instruments  011303 optical instruments  011304 watch products  011305 other precision machine products  011305 products  011401 heavy electrical equipment  011301 machine products  011302 measuring instruments  011302 measuring instruments  011303 optical instruments  011304 watch products  011305 other precision machine products  011305 products  011401 heavy electrical equipment  011305 measuring instruments  011306 measuring instruments  011307 measuring instruments  011308 measuring instruments	011204	metal plating products												metal plating products
011302   measuring instruments	011209	other metal products												other metal products
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	011301	machine products												machine products
011304 watch products     watch products       011305 other precision machine products     other precision machine products       011401 heavy electrical equipment     heavy electrical equipment	011302	measuring instruments												measuring instruments
other precision machine products  O11305 products  O11401 heavy electrical equipment  Other precision machine products  heavy electrical equipment	011303	optical instruments												optical instruments
products  O11401 heavy electrical equipment products  heavy electrical equipment	011304	watch products												watch products
products  O11401 heavy electrical equipment products  heavy electrical equipment	011205	other precision machine							j					other precision machine
	011305	products												products
011402 electrical appliance electrical appliance electrical appliance	011401	heavy electrical equipment												heavy electrical equipment
	011402	electrical appliance												electrical appliance

	electronics equipment and												electronics equipment and
011403	telecommunications												telecommunications
	apparatus												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												other transport equipment
011303	products												products
011601	electric utility service												electric utility service
011602	city gas service												city gas service
011603	city water service												city water service
011609	other electric/gas/water												other electric/gas/water
011003	service												service
011701	auto mobile servicing												auto mobile servicing
011702	machine repair												machine repair
011704	tobacco products												tobacco products
011709	other manufacturing												other manufacturing
020101	general coal mining												general coal mining
020109	other coal mining												other coal mining
020201	quarrying												quarrying
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
	hydroelectric plant												hydroelectric plant

030101	construction work													construction work
030102	tunnel construction work													tunnel construction work
030103	subway construction work													subway construction work
030104	railway construction work													railway construction work
030105	bridge construction work													bridge construction work
030106	road construction work													road construction work
030108	sand collapse prevention civil engineering work													sand collapse prevention civil engineering work
030110	water supply/sewage construction work													water supply/sewage construction work
030111	port/seaside construction work													port/seaside construction work
030201	steel frame/reinforced concrete house construction work													steel frame/reinforced concrete house construction work
030202	wooden house construction work													wooden house construction work
030203	building facility construction work													building facility construction work
030209	other building construction work													other building construction work
030301	electricity/telecommunication work													electricity/telecommunication work
030302	machinery/apparatus setting work													machinery/apparatus setting work
030309	other construction works													other construction works
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
040302	specific truck transportation service													specific truck transportation service
040303	cargo/ light automobile transportation service													cargo/ light automobile transportation service
040309	other land cargo transportation service													other land cargo transportation service
040409	other transportation service													other transportation service
050101	land cargo handling service													land cargo handling service
050202	port cargo handling service													port cargo handling service
050209	other harbor transportation service													other harbor transportation service
070101	livestock													livestock
070201	fishery													fishery
070209	other fishery													other fishery
080101	all kinds of wholesale													all kinds of wholesale
080102	furniture/fittings wholesale													furniture/fittings wholesale
080109	other wholesale													other 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
080209	other retails												other retails
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
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												telecommunication 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

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 service																	industrial waste management service
150103	other waste disposal service																	other waste disposal 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
160101	public office																	public office
170101	dispatch service																	dispatch service
170202	information processing service																	information processing service
170209	others																	others
	total									4	5	3	5	6	12	12	47	total

 $Data\ source: \underline{https://anzeninfo.mhlw.go.jp/user/anzen/tok/anst00.htm}\ (MHLW, Japan)$ 

https://www.jisha.or.jp/english/statistics/202212\_03.html