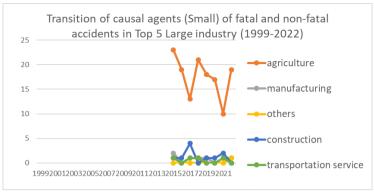
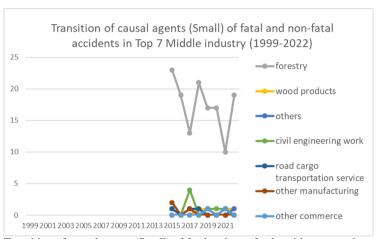
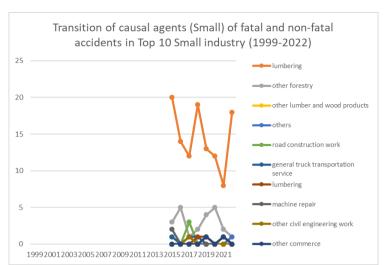
Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 172 mobile logging machine (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 172 mobile logging machine in Large industry (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 172 mobile logging machine in Middle Industry (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 172 mobile logging machine in Small Industry (1999-2022)

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 172 mobile logging machine in Large industry (1999-2022)

	ition of causar agents (Smarr) of fat																		1			_				1
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	2022	total	Large industry
06	agriculture																23	19	13	21	18	17	10	19	140	agriculture
01	manufacturing																2		1	1	1		1	1	7	manufacturing
17	others																							1	1	others
03	construction																1	1	4		1	1	2		10	construction
04	transportation service																1		1	1			1		4	transportation service
08	commerce																				1		1		2	commerce
14	hotel/restaurant/amusement																			1					1	hotel/restaurant/amusement
	service																			Ĺ						service
02	mining																									mining
05	cargo handling service																									cargo handling service
07	livestock/fishery																									livestock/fishery
09	financial business/advertisement																									financial business/advertisement
<u> </u>							$\sqsubseteq$	$\sqsubseteq$	$\sqsubseteq$		<u> </u>		$\sqsubseteq$				$\sqsubseteq$		<u> </u>						$\vdash$	
10	movie/play service																									movie/play service
11	telecommunication service																									telecommunication service
12	education/research service																									education/research service
13	health and hygiene service																									health and hygiene service
15	commercial cleaning and																									commercial cleaning and
	livestock process																									livestock process
16	public office																									public office
	total																27	20	19	24	21	18	15	21	165	total

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 172 mobile logging machine in Middle industry (1999-2022)

code	Middle industry	1999	2000	2001	2002	2003	2004	2005	2006	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	Middle industry	

0602	forestry																	23	19	13	21	17	17	10	19	139	forestry
0104	wood products																				1	1		1	1	4	wood products
1702	others																								1	1	others
0301	civil engineering work																	1		4		1	1	1		8	civil engineering work
0403	road cargo transportation service																	1		1	1			1		4	road cargo transportation service
0117	other manufacturing																	2		1						3	other manufacturing
0804	other commerce																					1		1		2	other commerce
0302	construction work																		1							1	construction work
0303	other construction works																							1		1	other construction works
0601	agriculture																					1				1	agriculture
1403	other amusement service																				1					1	other amusement service
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
0115	transport equipment products																										transport equipment products
	electric/gas/water service																										electric/gas/water service
0201	coal mining																										coal mining
0202	quarrying																										quarrying
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
II	II	II	П	П	П	П	11 1	1	ı II		1	ı	ı l	1	1	ı	ı II	ı 1	I	П	II	П	П	П	II	П	Ш

0501	land cargo handling service																		land cargo handling service
0502	harbor transportation service																		harbor transportation 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
1201	education/research service																		education/research service
1301	medical treatment service																		medical treatment service
1302	social welfare facility																		social welfare facility
1303	other health and hygiene service																		other health and hygiene service
1401	hotel																		hotel
1402	restaurant																		restaurant
	commercial cleaning and livestock process																		commercial cleaning and livestock process
1601	public office																		public office
1701	dispatch service																		dispatch service
	total									27	20	19	24	21	18	15	21	165	total

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 172 mobile logging machine in Small industry (1999-2022)

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																	20	14	12	19	13	12	8	18	116	lumbering
	other forestry																	3	5	1	2	4	5	2	1	23	other forestry
010409	other lumber and wood products																								1	1	other lumber and wood products
170209	others																								1	1	others
030106	road construction work																	1		3						4	road construction work
040301	general truck transportation service																	1		1	1			1		4	general truck transportation service
010401	lumbering																				1	1		1		3	lumbering
011702	machine repair																	2		1						3	machine repair
030199	other civil engineering work																			1		1				2	other civil engineering work
080409	other commerce																					1		1		2	other commerce

030109 land consolidation civil engineering work																			1		1	land consolidation civil engineering work
030203 building facility construction work														1							1	building facility constructio
030309 other construction works																			1		1	other construction works
060101 agriculture																	1				1	agriculture
140301 golf course																1					1	golf course
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														$\overline{\Box}$								dyeing
010209 other textile products																						other textile products
010301 over/under wear														$\Box$								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														$\overline{\Box}$								fittings
010509 other furniture																						other furniture
010601 pulp/paper														$\Box$								pulp/paper
010602 paper processing products																						paper processing products
010609 other pulp/paper processing products																						other pulp/paper processing products
010701 printing service	П													П								printing service
010702 bookbinding														П								bookbinding
010709 other printing and bookbinding																						other printing and bookbinding
010801 non organic or organic chemical products																						non organic or organic chemical products
010802 chemical fiber	П				$\Box$									一			$\Box$					chemical fiber
010803 pharmaceuticals	П				一			П		$\Box$				H			$\Box$				İ	pharmaceuticals
010804 petroleum/coal products	П				$\Box$					$\Box$				H			$\Box$					petroleum/coal products
010805 plastics products	H	$\Box$	$\Box$		一			H	$\Box$	$\Box$				H	$\equiv$		一	$\Box$				plastics products
010806 rubber products	М													$\vdash$								rubber products
010807 leather products	H	$\Box$	$\vdash$	$\vdash$	$\vdash \vdash$		1	H	$\equiv$	$\vdash \vdash$			$\vdash$	H		_	$\vdash$	$\vdash$		i	۳	leather products

010808 painting products	$\parallel$	<u> </u>			<u> </u>	<u> </u>	<u> </u>	_		$\vdash$	$\sqsubseteq$	$\sqsubseteq$	$\square$	$\vdash\vdash\vdash$	$\sqsubseteq$		$\sqsubseteq$	$\square$	<u></u>  -	<u> </u>  -	<u> </u>  -	<u> </u>	painting products
010809 chemical fertilizer products		<u> </u>		<u> </u>		Щ	Щ						Щ	<u> </u>			_		chemical fertilizer produc				
other chemical products			<u> </u>							Щ							Щ				_	_	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
other sand and stone products																							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
other nonferrous metal products																							other nonferrous metal products
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
heavy electrical equipment																							heavy electrical equipmen
011402 electrical appliance																							electrical appliance
electronics equipment and telecommunications apparatus																							electronics equipment and telecommunications apparatus
011409 other electrical equipment																							other electrical equipmen
011501 ship building																							ship building
011502 auto mobile products																							auto mobile products
011503 railway vehicle products	Mi									$\Box$	П				$\Box$		$\Box$	Ti					railway vehicle products
other transport equipment products																							other transport equipment products
011601 electric utility service		İ								$\Box$	一						$\Box$						electric utility service
011602 city gas service	H	i —	i —	i —	i	İ	i	i	i	H	$\equiv$	$\equiv$	一	一	$\equiv$	$\equiv$	H		<del></del>	<del></del>	Ti-		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
011703 cleaning													cleaning
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
030101 hydroelectric plant construction work													hydroelectric plant construction work
030102 tunnel construction work													tunnel construction work
030103 subway construction work									i				subway construction work
030104 railway construction work													railway construction work
030105 bridge construction work													bridge 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
030209 other building construction work													other building construction work
030301 electricity/telecommunication work													electricity/telecommunication work
machinery/apparatus setting work													machinery/apparatus setting 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 service													other passenger transport service

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
050201 general harbor transportation service										general harbor transportation 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 traini
120102 software service										software service
other education/research										other education/research

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120109 service																				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
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
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
other cleaning and livestock process service																				other cleaning and livestock process service
160101 public office																				public office
170101 dispatch service																				dispatch service
170201 security service																				security service
170202 information processing service																				information processing service
total											27	20	19	24	21	18	15	21	165	total

Data source: <a href="https://anzeninfo.mhlw.go.jp/user/anzen/tok/anst00.html">https://anzeninfo.mhlw.go.jp/user/anzen/tok/anst00.html</a> (MHLW, Japan)

https://www.jisha.or.jp/english/statistics/202311\_12.html