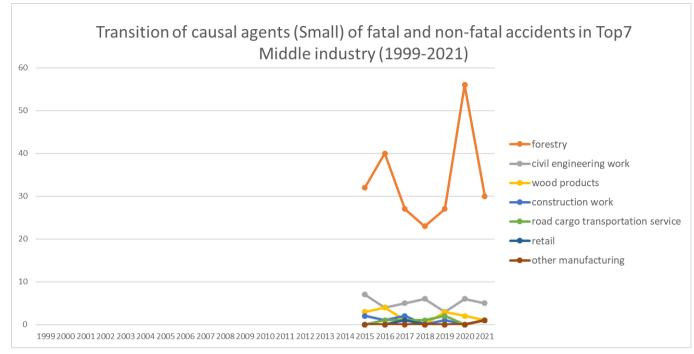
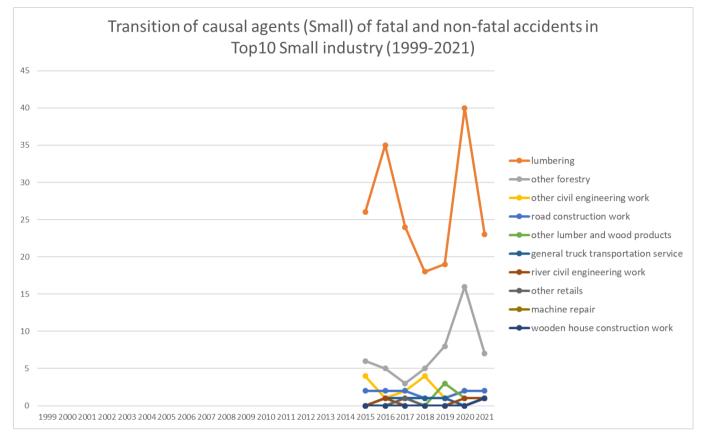


Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 171 felling machine in Large industry (1999-2021)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 171 felling machine in Middle Industry (1999-2021)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 171 felling machine in Small Industry (1999-2021)

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 171 felling 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																	35	40	27	25	27	56	30	240	agriculture
03	construction																	9	6	8	7	6	7	6	49	construction
01	manufacturing																	3	5	1		5	2	2	18	manufacturing
04	transportation service																		1	1	1	2		1	6	transportation service
08	commerce																		1	1	1	2		1	6	commerce
14	hotel/restaurant/amusement																	1	1		1	1			4	hotel/restaurant/amusement
	service																	ľ								service
	commercial cleaning and																									commercial cleaning and

15	livestock process										1		1	1			3	livestock process
17	others												1	1			2	others
02	mining											1					1	mining
07	livestock/fishery										1						1	livestock/fishery
05	cargo handling service																	cargo handling service
09	financial																	financial
	business/advertisement																	business/advertisement
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
16	public office																	public office
	total									48	56	39	37	45	65	40	330	total

## Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 171 felling 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																	32	40	27	23	27	56	30	235	forestry
0301	civil engineering work																	7	4	5	6	3	6	5	36	civil engineering work
0104	wood products																	3	4	1		3	2	1	14	wood products
0302	construction work																	2	1	2		1		1	7	construction work
0403	road cargo transportation service																		1	1	1	2		1	6	road cargo transportation service
0802	retail																			1				1	2	retail
0117	other manufacturing																							1	1	other manufacturing
0303	other construction works																		1	1	1	2	1		6	other construction

																	works
0601	agriculture									3			2			5	agriculture
0801	wholesale										1		1	2		4	wholesale
1403	other amusement service									1	1		1			3	other amusement service
1501	commercial cleaning and livestock process										1		1	1		3	commercial cleaning and livestock process
1702	others												1	1		2	others
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
1401	hotel													1		1	hotel
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
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
0502	harbor transportation service												harbor transportation service
0702	fishery												fishery
0803	haircut/beauty salon												haircut/beauty salon
0804	other commerce												other commerce
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
1201	education/research service																	service
1201																		medical treatment
1301	medical treatment service																	service
1302	social welfare facility																	social welfare facility
1202	a than has lab and humis no ann isa																	other health and
1303	other health and hygiene service																	hygiene service
1402	restaurant																	restaurant
1601	public office																	public office
1701	dispatch service																	dispatch service
	total									48	56	39	37	45	65	40	330	total

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 171 felling machine in Small industry (1999-2021)

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	total	Small industry
060201	lumbering																	26	35	24	18	19	40	23	185	lumbering
060209	other forestry																	6	5	3	5	8	16	7	50	other forestry
030199	other civil engineering work																	4	1	2	4	1	2	2	16	other civil engineering work
030106	road construction work																	2	2	2	1	1	2	2	12	road construction work
010409	other lumber and wood products																		1	1		3	1	1	7	other lumber and wood products
040301	general truck transportation service																		1	1	1	1		1	5	general truck transportation service
030107	river civil engineering work																		1				1	1	3	river civil engineering work
080209	other retails																			1				1	2	other retails
011702	machine repair																							1	1	machine repair
030202	wooden house construction																							1	1	wooden house construction

	work															work
010401	lumbering								3	3				1	7	lumbering
030309	other construction works									1	1	1	2		5	other construction works
060101	agriculture								3			2			5	agriculture
030209	other building construction work								1		2		1		4	other building construction work
080109	other wholesale									1		1	2		4	other wholesale
140301	golf course								1	1		1			3	golf course
030108	sand collapse prevention civil engineering work											1		1	2	sand collapse prevention civil engineering work
030109	land consolidation civil engineering work								1				1		2	land consolidation civil engineering work
030201	steel frame/reinforced concrete house construction work								1	1					2	steel frame/reinforced concrete house construction work
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
020201	quarrying										1				1	quarrying
030102	tunnel construction work										1				1	tunnel construction work
030301	electricity/telecommunication work													1	1	electricity/telecommunication work
040302	specific truck transportation service												1		1	specific truck transportation service

070101	livestock									1			1	livestock
140101	hotel										1		1	hotel
150103	other waste disposal service										1		1	other waste disposal servi
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 processi products
010702	bookbinding													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										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 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

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
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
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									hydroelectric plant
	construction work									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
	construction work									construction work
030111	port/seaside construction									port/seaside construction
	work									work
030203	building facility construction									building facility construction
	work									work
030302	machinery/apparatus setting									machinery/apparatus setting
	work									work
040101	railroad service									railroad service

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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
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
070201	fishery														fishery
070209	other fishery														other fishery
080101	all kinds of wholesale														all kinds of wholesale
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

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80302	beauty salon												beauty salon
80401	warehousing												warehousing
080409	other commerce												other commerce
90101	banking/trust business												banking/trust business
090102	stock/commodity trade business												stock/commodity trade business
090103	insurance business												insurance business
90109	other financial business												other financial business
090201	traveling service												traveling service
090209	other advertisement and mediator												other advertisement and mediator
00101	movie production and delivery service												movie production and delivery service
00102	movie theatre												movie theatre
00109	other movie/play service												other movie/play service
10101	telecommunication service												telecommunication service
20101	auto mobile practical training												auto mobile practical training
20102	software service												software service
20109	other education/research service												other education/research service
130101	hospital												hospital
30102	general clinic												general clinic
130109	other medical treatment service												other medical treatment service
30201	social welfare facility												social welfare facility
30301	bathhouse												bathhouse

130309	other health and hygiene																other health and hygiene
	service																service
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																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
170201	security service																security service
170202	information processing																information processing
	service																service
	total								48	56	39	37	45	65	40	330	total

Data source : <u>https://anzeninfo.mhlw.go.jp/user/anzen/tok/anst00.htm</u> (MHLW, Japan)

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