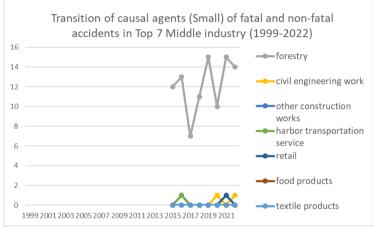
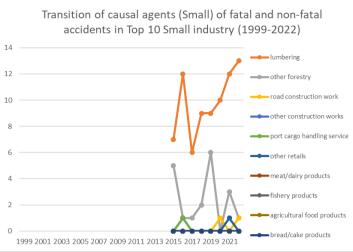
Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 173 skyline yarding machine (1999-2022)

	Transition of causal agents (Small) of fa accidents in Top 5 Large industry	
16 -	accidents in top 5 Large industry	(1555-2022)
14 -	·····	agriculture
12 -		agriculture
10 -		construction
8 -	V	
6 -	-	cargo handling service
4 -		
		commerce
2 -		
0 -	<u>^</u>	manufacturing
19	99920012003200520072009201120132015201720192021	0

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 173 skyline yarding machine in Large industry (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 173 skyline yarding machine in Middle Industry (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 173 skyline yarding machine in Small Industry (1999-2022)

Trans	ition of causal agents (Small) of fa																										
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																	12	13	7	11	15	10	15	14	97	agriculture
03	construction																		1				1		1	3	construction
05	cargo handling service																		1							1	cargo handling service
08	commerce																							1		1	commerce
01	manufacturing																										manufacturing
02	mining																										mining
04	transportation service																										transportation service
07	livestock/fishery																										livestock/fishery
09	financial business/advertisement																										financial 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
14	hotel/restaurant/amusement service																										hotel/restaurant/amusement service
15	commercial cleaning and livestock process																										commercial cleaning and livestock process
16	public office																										public office
17	others																										others
	total																	12	15	7	11	15	11	16	15	102	total

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Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 173 skyline yarding machine in Middle industry (1999-2022)

code	Middle industry	1999	2000	2001	2002	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	Middle industry

	forestry									12	13	7	11	15	10	15	14		forestry
0301	civil engineering work														1		1	2	civil engineering work
0303	other construction works										1							1	other construction works
0502	harbor transportation service										1							1	harbor transportation service
0802	retail															1		1	retail
0101	food products																		food products
0102	textile products																		textile products
0103	fiber products																		fiber products
0104	wood products																		wood 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	 i —									i —								steel making
	nonferrous metal making																		nonferrous metal making
0112	metal products																		metal products
	machine products				1	i –					i								machine products
0114	electrical equipment products																		electrical equipment products
0115	transport equipment products																		transport equipment products
0116	electric/gas/water service																		electric/gas/water service
0117	other manufacturing																		other manufacturing
0201	coal mining																		coal mining
	quarrying																		quarrying
0203	other mining																		other mining
0302	construction work																		construction work
0401	railroad/water transportation/airline service																		railroad/water transportation/airline service
0402	road passenger transport service																		road passenger transport service
0403	road cargo transportation service																		road cargo transportation service
0404	other transportation service																		other transportation service
0501	land cargo handling service																		land cargo handling service

0601	agriculture																		agriculture
0701	livestock																		livestock
0702	fishery																		fishery
0801	wholesale																		wholesale
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 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
	other amusement service																		other amusement service
1501	commercial cleaning and livestock process																		commercial cleaning and livestock process
	public office																		public office
	dispatch service																		dispatch service
1702	others																		others
	total									12	15	7	11	15	11	16	15	102	total

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 173 skyline yarding 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	5 2017	7 2018	2019	2020	2021	2022	total	Small industry
060201	lumbering																	7	12	6	9	9	10	12	13	78	lumbering
060209	other forestry																	5	1	1	2	6		3	1	19	other forestry
030106	road construction work																						1		1	2	road construction work
030309	other construction works																		1							1	other construction works
050202	port cargo handling service																		1							1	port cargo handling service
080209	other retails																							1		1	other retails
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		i											other foods
010201 silk-reeling													silk-reeling
010202 cotton-spinning	i												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
010401 lumbering													lumbering
010402 plywood					1								plywood
010409 other lumber and wood products													other lumber and wood products
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					1								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 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
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 service																other electric/gas/water service
011701 auto mobile servicing																auto mobile servicing
011702 machine repair						Ē										machine repair
011703 cleaning											i					cleaning
011704 tobacco products																tobacco products
011709 other manufacturing	i —			ī						i –		_				other manufacturing
020101 general coal mining	i –			i — i						i						general coal mining
020109 other coal mining	i —			1						i —						other coal mining
	1				╞══┤┝	—				1	i — F		\vdash	\vdash	\vdash	

020201	quarrying														quarrying
020202	gravel digging														gravel digging
020209	other quarrying														other quarrying
020301	metal mining				i			Ī	i	Ī					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														subway construction work
030104	railway construction work														railway construction work
030105	bridge construction work														bridge construction work
030107	river civil engineering work														river civil engineering work
030108	sand collapse prevention civil engineering work														sand collapse prevention civil engineering work
030109	land consolidation civil engineering work														land consolidation civil engineering work
030110	water supply/sewage construction work														water supply/sewage construction work
030111	port/seaside construction work														port/seaside construction work
030199	other civil engineering work														other civil engineering 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
040101	railroad service														railroad service
040102	water transportation service														water transportation service
040103	airline service														airline service
040201	taxi service														taxi service
P	bus service														bus service
040209	other passenger transport service														other passenger transport service
040301	service														general truck transportation service
040302	specific truck transportation service														specific truck transportation service

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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						ĺ					Ī		other transportation service
050101 land cargo handling service						ĺ							land cargo handling service
050201 general harbor transportation service													general harbor transportation service
050209 other harbor transportation service													other harbor transportation service
060101 agriculture													agriculture
070101 livestock													livestock
070201 fishery						ĺ							fishery
070209 other fishery											Ī		other fishery
080101 all kinds of wholesale													all kinds of wholesale
080102 furniture/fittings wholesale	Ī					ĺ					Ī		furniture/fittings wholesale
080109 other wholesale	Ì					ĺ							other wholesale
080201 all kinds of retail						i					<u> </u>		all kinds of retail
080202 auto mobile retail											<u> </u>		auto mobile retail
080203 furniture/fittings retail	—i	1				i	Ť				i	Ť	furniture/fittings retail
080204 fuel retail													fuel retail
080205 newspaper retail	Ť					ĺ							newspaper retail
080301 haircut													haircut
080302 beauty salon													beauty salon
080401 warehousing	-i				i	i	Ť				i	Ť	warehousing
080409 other commerce													other commerce
090101 banking/trust business											<u> </u>		banking/trust business
090102 stock/commodity trade business													stock/commodity trade business
090103 insurance business													insurance business
090109 other financial business						ĺ							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						ĺ					Ī		other movie/play service
110101 telecommunication service	Ì					ĺ							telecommunication service
120101 auto mobile practical training	Ī				i	İ					<u> </u>		auto mobile practical training
120102 software service	Ī					i							software service
120109 other education/research service													other education/research service
130101 hospital	—					Ť			i – i		i		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
130309 other health and hygiene service																other health and hygiene service
140101 hotel																hotel
140201 general restaurant																general restaurant
140209 other restaurants																other restaurants
140301 golf course																golf course
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
150109 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
170209 others																others
total							12	15	7	11	15	11	16	15	102	total

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

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