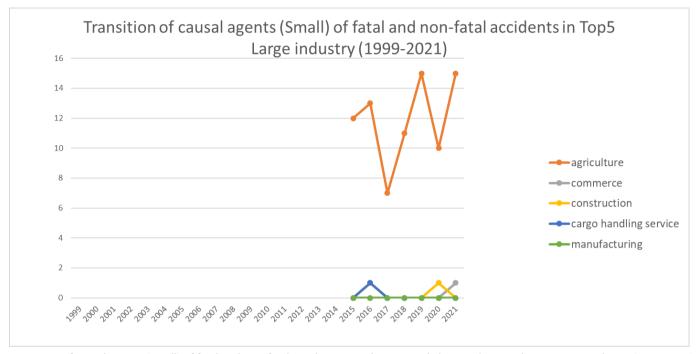
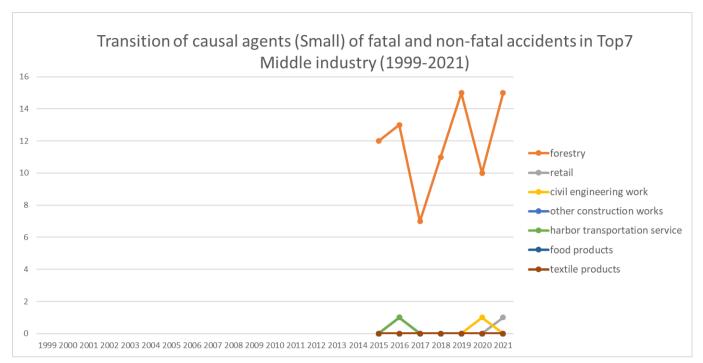
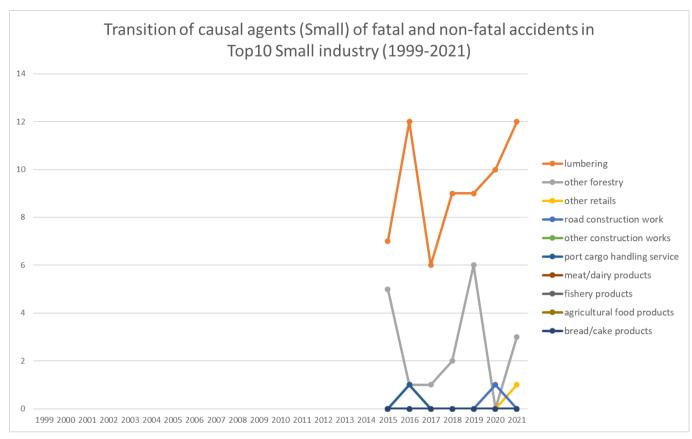
Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 173 skyline yarding machine (1999-2021)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 173 skyline yarding machine in Large industry (1999-2021)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 173 skyline yarding machine in Middle Industry (1999-2021)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 173 skyline yarding machine in Small Industry (1999-2021)

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 173 skyline yarding 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																	12	13	7	11	15	10	15	83	agriculture
08	commerce																							1	1	commerce
03	construction																		1				1		2	construction
05	cargo handling service																		1						1	cargo handling service
01	manufacturing																									manufacturing
02	mining																									mining
04	transportation service																									transportation service

	livestock/fishery																	livestock/fishery
09	financial																	financial
	business/advertisement																	business/advertisement
10 I	movie/play service																	movie/play service
11 1	telecommunication service																	telecommunication service
12	education/research service																	education/research service
13 I	health and hygiene service																	health and hygiene service
14	hotel/restaurant/amusement																	hotel/restaurant/amusement
- 11 11	service																	service
15	commercial cleaning and																	commercial cleaning and
	livestock process																	livestock process
16	public office																	public office
17	others																	others
1	total									12	15	7	11	15	11	16	87	total

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 173 skyline yarding 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																	12	13	7	11	15	10	15	83	forestry
0802	retail																							1	1	retail
0301	civil engineering work																						1		1	civil engineering work
0303	other construction works																		1						1	other construction works
0502	harbor transportation service																		1						1	harbor transportation service
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 processi
0107 printing/bookbinding												printing/bookbindir
0108 chemical products												chemical products
0109 sand and stone products												sand and stone
0110 steel making												steel making
0111 nonferrous metal making												nonferrous metal
0112 metal products												metal products
0113 machine products												machine products
0114 electrical equipment products												electrical equipmer
0115 transport equipment products												transport equipme
0116 electric/gas/water service												electric/gas/water
0117 other manufacturing												other manufacturii
0201 coal mining												coal mining
0202 quarrying												quarrying
0203 other mining												other mining
0302 construction work												construction work
railroad/water transportation/airline service												railroad/water transportation/airli

													service
0402 road passenger transport service													road passenger transport service
0403 road cargo transportation service													road cargo
													transportation servi
0404 other transportation service													other transportatio service
0501 land cargo handling service													land cargo handling
0601 agriculture													agriculture
0701 livestock													livestock
0702 fishery													fishery
0801 wholesale													wholesale
0803 haircut/beauty salon													haircut/beauty salo
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
1302 social welfare facility													social welfare facil
1303 other health and hygiene service													other health and

																		hygiene service
1401	hotel																	hotel
1402	restaurant																	restaurant
1403	other amusement service																	other amusement
1501																		commercial cleaning
	process																	and livestock process
1601	public office																	public office
1701	dispatch service																	dispatch service
1702	others																	others
	total									12	15	7	11	15	11	16	87	total

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 173 skyline yarding 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																	7	12	6	9	9	10	12	65	lumbering
060209	other forestry																	5	1	1	2	6		3	18	other forestry
080209	other retails																							1	1	other retails
030106	road construction work																						1		1	road construction work
030309	other construction works																		1						1	other construction works
050202	port cargo handling service																		1						1	port cargo handling 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									ĺ					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
010401	lumbering														lumbering
010402	plywood														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														paper processing products
010609	other pulp/paper processing products														other pulp/paper processing products
010701	printing service									ĺ					printing service
010702	bookbinding									ĺ					bookbinding
010709	other printing and bookbinding														other printing and
010801	non organic or organic														non organic or organic
					İ										

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													other sand and stone
010303	products													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													nonferrous metals/rolling
	products													products
011102	nonferrous metals casting													nonferrous metals casting
	products													products
011109														other nonferrous metal
	products													products
011201	western tableware/cutting tool products													western tableware/cutting tool products
	loo. products													too. 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

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011702	machine repair																machine repair
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																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
030107	river civil engineering work																river civil engineering work
030108	sand collapse prevention civil																sand collapse prevention civil
030106	engineering work																engineering work
030109	land consolidation civil																land consolidation civil
030103	engineering work																engineering work
030110	water supply/sewage																water supply/sewage
	construction work																construction work
030111	port/seaside construction																port/seaside construction
					II												

	work												work
030199	other civil engineering work												other civil engineering work
	steel frame/reinforced												steel frame/reinforced
030201	concrete house construction												concrete house construction
	work												work
030202	wooden house construction												wooden house construction
	work												work
030203	building facility construction												building facility construction
	work												work
030209	other building construction												other building construction
	work												work
030301	electricity/telecommunication												electricity/telecommunication
	work												work
030302	machinery/apparatus setting												machinery/apparatus setting
	work												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
0.40200	other passenger transport												other passenger transport
040209	service												service
040301	general truck transportation												general truck transportation
040301	service												service
040302	specific truck transportation												specific truck transportation
040302	service												service
040202	cargo/ light automobile												cargo/ light automobile
040303	transportation service												transportation service

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040309	other land cargo														other land cargo
040307	transportation service														transportation service
040409	other transportation service														other transportation service
050101	land cargo handling service														land cargo handling service
050201	general harbor transportation														general harbor transportation
030201	service														service
050209	other harbor transportation														other harbor transportation
030209	service														service
060101	agriculture														agriculture
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
080301	haircut														haircut
080302	beauty salon														beauty salon
080401	warehousing														warehousing
080409	other commerce														other commerce
090101	banking/trust business														banking/trust business
090102	stock/commodity trade														stock/commodity trade
090102															

	business													business
090103	insurance business													insurance business
090109	other financial business													other financial business
090201	traveling service													traveling service
090209	other advertisement and													other advertisement and
050205	mediator													mediator
100101	movie production and													movie production and
	delivery service													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
120109	other education/research													other education/research
120103	service													service
130101	hospital													hospital
130102	general clinic													general clinic
130109	other medical treatment													other medical treatment
130103	service													service
130201	social welfare facility													social welfare facility
130301	bathhouse													bathhouse
130309	other health and hygiene													other health and hygiene
130303	service													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	87	total

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

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