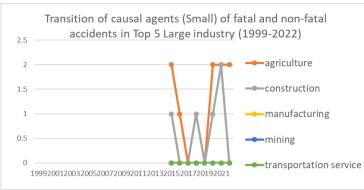
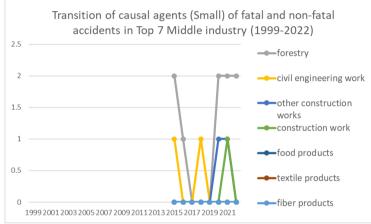
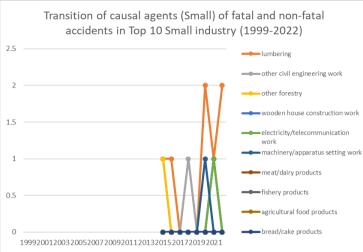
#### Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 218 simple skyline yarding equipment (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 218 simple skyline yarding equipment in Large industry (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 218 simple skyline yarding equipment in Middle Industry (1999-2022)



## Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 218 simple skyline yarding equipment in Small Industry (1999-2022)

	tion of causal agents (Small) of fat											· ·	<u> </u>	1		<u> </u>											
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																	2	1				2	2	2	9	agriculture
03	construction																	1			1		1	2		5	construction
01	manufacturing																										manufacturing
02	mining																										mining
04	transportation service																										transportation service
05	cargo handling service																										cargo handling service
07	livestock/fishery																										livestock/fishery
08	commerce																										commerce
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																	3	1		1		3	4	2	14	total

#### Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 218 simple skyline yarding equipment in Large industry (1999-2022)

### Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 218 simple skyline yarding equipment in Middle industry (1999-2022)

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	2022	total	Middle industry	

0602 forestry	Ļ								2	1		2	2	2		forestry
0301 civil engineering work									1		1				2	civil engineering wor
0303 other construction works												1	1		2	other construction works
0302 construction work													1		1	construction work
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																steel making
0111 nonferrous metal making																nonferrous metal making
0112 metal products					1											metal products
0113 machine products													1			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
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
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
0502 harbor transportation service																harbor transportation service
0601 agriculture																agriculture

0701	livestock																livestock
0702	fishery																fishery
0801	wholesale																wholesale
0802	retail																retail
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
1701	dispatch service																dispatch service
1702	others																others
	total									3	1	1	3	4	2	14	total

# Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 218 simple skyline yarding equipment 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																	1	1				2	1	2	7	lumbering
030199	other civil engineering work																	1			1					2	other civil engineering work
060209	other forestry																	1						1		2	other forestry
030202	wooden house construction work																							1		1	wooden house construction work
	electricity/telecommunication work																							1		1	electricity/telecommunication work
030302	machinery/apparatus setting work																						1			1	machinery/apparatus setting work
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
10105 alcoholic drinks																alcoholic drinks
10106 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
010401 lumbering																lumbering
010402 plywood																plywood
010409 other lumber and wood products																other lumber and wood products
010501 wood furniture										j						wood furniture
10502 metal furniture	i									—i	i	ī				metal furniture
010503 fittings	i									ij						fittings
010509 other furniture	i –															other furniture
010601 pulp/paper										İ						pulp/paper
010602 paper processing products																paper processing products
)10609 other pulp/paper processing products																other pulp/paper processing products
010701 printing service	i –										j		<u> </u>			printing service
010702 bookbinding	1															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										j						chemical fertilizer products
10899 other chemical products										j						other chemical products
010901 cement products				1						j	ĺ	i				cement products
010902 glass products										ī	j	i				glass products
010903 pottery products										ī		ī				pottery products
010904 fire resisting products	i									ij		i				fire resisting products
010905 other ceramic products	1	1	1												$\square$	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														I II	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													j		measuring instruments
011303 optical instruments													ij		optical instruments
011304 watch products					i							i	ij		watch products
011305 other precision machine products															other precision machine products
011401 heavy electrical equipment													ij		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						i									city gas service
011603 city water service						ī							i		city water service
011609 other electric/gas/water service															other electric/gas/water service
011701 auto mobile servicing						i									auto mobile servicing
011702 machine repair													i		machine repair
011703 cleaning						i							-		cleaning
011704 tobacco products	Ī												-		tobacco products
011709 other manufacturing	1		i		i				1	i		i			other manufacturing
			i		i					i				ii'	

020101	general coal mining										general coal mining
	other coal mining						i				other coal mining
020201	quarrying										quarrying
020202	gravel digging	j					imi				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										subway construction work
030104	railway construction work										railway construction work
030105	bridge construction work										bridge construction work
030106	road construction work										road construction work
030107	river civil engineering work										river civil engineering work
030108	civil engineering work										sand collapse prevention civil engineering work
	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
030201	steel frame/reinforced concrete house construction work										steel frame/reinforced concrete house construction work
030203	building facility construction work										building facility construction work
030209	other building construction work										other building construction 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 service
040301	general truck transportation service										general truck transportation service
040302	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 ransportation service
040409 other transportation service															c	other transportation service
050101 land cargo handling service															1:	and cargo handling service
050201 general harbor transportation service															g	general harbor transportation service
050202 port cargo handling service															F	port cargo handling service
050209 other harbor transportation service																other harbor transportation service
060101 agriculture															a	agriculture
070101 livestock															l	ivestock
070201 fishery															f	fishery
070209 other fishery															c	other fishery
080101 all kinds of wholesale															a	all kinds of wholesale
080102 furniture/fittings wholesale								ĺ							f	furniture/fittings wholesale
080109 other wholesale								i				ĺ			C	other wholesale
080201 all kinds of retail							i	i	j						a	all kinds of retail
080202 auto mobile retail															a	auto mobile retail
080203 furniture/fittings retail			1										Ť		f	furniture/fittings retail
080204 fuel retail																fuel retail
080205 newspaper retail			1										<u> </u>			newspaper retail
080209 other retails			1										<u> </u>			other retails
080301 haircut													<u> </u>		h	naircut
080302 beauty salon			1				i – i	i					<u> </u>		l	beauty salon
080401 warehousing																warehousing
080409 other commerce			1	i			i	i					i			other commerce
090101 banking/trust business																canking/trust business
090102 stock/commodity trade business															s	stock/commodity trade
090103 insurance business							i	i							i	nsurance business
090109 other financial business								i	ĺ						c	other financial business
090201 traveling service								i							t	raveling service
090209 other advertisement and mediator																other advertisement and mediator
100101 movie production and delivery service															n	novie production and delivery service
100102 movie theatre															r	novie theatre
100109 other movie/play service									i						c	other movie/play service
110101 telecommunication service								j	j							elecommunication service
120101 auto mobile practical training															a	auto mobile practical training
120102 software service	i — 1							j	j						s	software service
120109 other education/research service																other education/research
130101 hospital															h	nospital

130102	general clinic															general clinic
130109	other medical treatment service															other medical treatment service
130201	social welfare facility															social welfare facility
	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								3	1	1	3	4	2	14	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