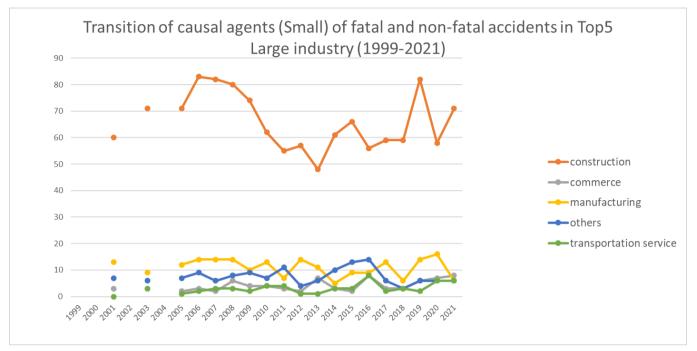
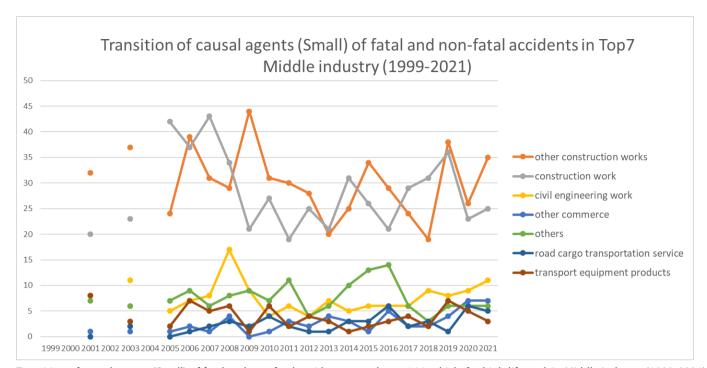
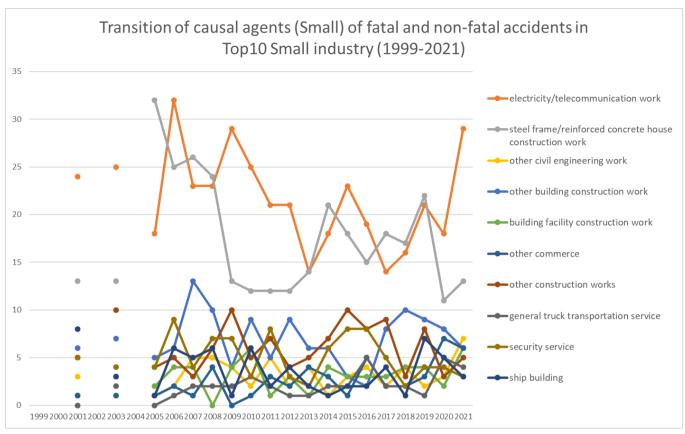
Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 146 vehicle for high lift work (1999-2021)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 146 vehicle for high lift work in Large industry (1999-2021)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 146 vehicle for high lift work in Middle Industry (1999-2021)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 146 vehicle for high lift work in Small Industry (1999-2021)

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 146 vehicle for high lift work 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
03	construction			60		71		71	83	82	80	74	62	55	57	48	61	66	56	59	59	82	58	71	1,255	construction
08	commerce			3		3		2	3	2	6	4	4	3	2	7	3	2	8	3	3	6	7	8	79	commerce
01	manufacturing			13		9		12	14	14	14	10	13	7	14	11	5	9	9	13	6	14	16	6	209	manufacturing
17	others			7		6		7	9	6	8	9	7	11	4	6	10	13	14	6	3	6	6	6	144	others
04	transportation service					3		1	2	3	3	2	4	4	1	1	3	3	8	2	3	2	6	6	57	transportation service
06	agriculture			2		1		3	1	2	3	1	1	3	9	4	4	4	8	6		7	4	4	67	agriculture
15	commercial cleaning and			1					1	1	1	3	1	2			2	3	1	2	3	1	1	1	24	commercial cleaning and
11 1	livestock process			'					'					_												livestock process

11	telecommunication service		2	1		1		2			3	1		1			1					12	telecommunication service
05	cargo handling service		1	1			1	1					1				2	1				8	cargo handling service
14	hotel/restaurant/amusement		1						1		1		2		1		1		1			8	hotel/restaurant/amusement
	service		<u>'</u>						<u> </u>		<u> </u>				<u> </u>		<u> </u>						service
12	education/research service				1		1								1							3	education/research service
13	health and hygiene service		1								1									1		3	health and hygiene service
07	livestock/fishery							1					1									2	livestock/fishery
09	financial								1											1		2	financial
09	business/advertisement								•											<u> </u>			business/advertisement
10	movie/play service				1											1						2	movie/play service
02	mining																						mining
16	public office																						public office
	total		91	95	98	114	112	119	105	92	90	88	81	89	102	105	95	78	119	100	102	1,875	total

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 146 vehicle for high lift work 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
0303	other construction works			32		37		24	39	31	29	44	31	30	28	20	25	34	29	24	19	38	26	35	575	other construction works
0302	construction work			20		23		42	37	43	34	21	27	19	25	21	31	26	21	29	31	36	23	25	534	construction work
0301	civil engineering work			8		11		5	7	8	17	9	4	6	4	7	5	6	6	6	9	8	9	11	146	civil engineering work
0804	other commerce			1		1		1	2	1	4		1	3	2	4	3	1	5	2	2	4	7	7	51	other commerce
1702	others			7		6		7	9	6	8	9	7	11	4	6	10	13	14	6	3	6	6	6	144	others
0403	road cargo transportation service					2			1	2	3	2	4	2	1	1	3	2	6	2	2	1	6	5	47	road cargo
0403	Toda Cargo transportation service										5				ľ	<u> </u>						1			47	transportation service
0115	transport equipment products			R		2		2	7	5	6	1	6	2	4	2	1	2	2	4	2	7	5	2	74	transport equipment
0113	transport equipment products											1										,				products

0601	agriculture		2		2		1	3	1	1	3	9	3	3	3	5	6		4	4	2	52	agriculture
0117	other manufacturing		1	1	1	4	4	1	3	2	1	1	4	3	2	6	4	2	1	6	2	49	other manufacturing
0602	forestry			1	1	1	1						1	1	1	3			3		2	15	forestry
1501	commercial cleaning and livestock process		1			1	1	1	3	1	2			2	3	1	2	3	1	1	1	24	commercial cleaning and livestock process
0112	metal products		2	2	2		1	4				1					3		3	4	1	23	metal products
0802	retail		2	1	1	1	1	2	3				2		1	3	1	1	1		1	21	retail
0401	railroad/water transportation/airline service			1		1	1				2					1					1		railroad/water transportation/airline service
0113	machine products		1	3	2	1	2	1		1	1	2	2	1	1				1			19	machine products
0116	electric/gas/water service				2	1	1		1		1	3			3		2		1	1		16	electric/gas/water service
1101	telecommunication service		2	1		1		2			3	1		1			1					12	telecommunication service
0110	steel making				2	1	1	1	1						1							7	steel making
0801	wholesale			1					1	3			1						1			7	wholesale
0501	land cargo handling service						1	1					1				2	1				6	land cargo handling service
0108	chemical products							1		2		1							1			5	chemical products
0114	electrical equipment products								3			1	1									5	electrical equipment products
1403	other amusement service		1								1		2				1					5	other amusement service
0109	sand and stone products		1						1	1		1										4	sand and stone
1201	education/research service				1		1								1							3	education/research

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0102	textile products				1										1				2	textile products
0107	printing/bookbinding									1					1				2	printing/bookbinding
0404	other transportation service				1											1			2	other transportation service
0502	harbor transportation service		1	1															2	harbor transportation service
0701	livestock						1				1								2	livestock
0902	advertisement and mediator							1									1		2	advertisement and mediator
1001	movie/play service				1									1					2	movie/play service
1402	restaurant												1			1			2	restaurant
0101	food products										1								1	food products
0104	wood products									1									1	wood products
0105	furniture								1										1	furniture
0402	road passenger transport service													1					1	road passenger transport service
1301	medical treatment service		1																1	medical treatment
1302	social welfare facility																1		1	social welfare facility
1303	other health and hygiene service									1									1	other health and hygiene service
1401	hotel							1											1	hotel
0103	fiber products																			fiber products
0106	pulp/paper processing products																			pulp/paper processing products
0111	nonferrous metal making																			nonferrous metal making
			 	 	 		 		11		 				 11	11	11			

0201	coal mining																						coal mining
0202	quarrying																						quarrying
0203	other mining																						other mining
0702	fishery																						fishery
0803	haircut/beauty salon																						haircut/beauty salon
0901	financial business																						financial business
1601	public office																						public office
1701	dispatch service																						dispatch service
	total		91	95	98	114	112	119	105	92	90	88	81	89	102	105	95	78	119	100	102	1,875	total

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 146 vehicle for high lift work in Small industry (1999-2021)

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
electricity/telecommunication work			24		25		18	32	23	23	29	25	21	21	14	18	23	19	14	16	21	18	29	413	electricity/telecommunication work
steel frame/reinforced concrete house construction work			13		13		32	25	26	24	13	12	12	12	14	21	18	15	18	17	22	11	13		steel frame/reinforced concrete house construction work
other civil engineering work			3		1		1	2	5	5	4	2	5	2	4	1	3	4	2	4	2	3	7	60	other civil engineering work
other building construction work			6		7		5	6	13	10	4	9	5	9	6	6	3	2	8	10	9	8	6	132	other building construction work
building facility construction work			1		3		2	4	4		4	6	1	3	1	4	3	3	3	4	4	2	6	58	building facility construction work
other commerce			1		1		1	2	1	4		1	3	2	4	3	1	5	2	2	3	7	6	49	other commerce
other construction works			5		10		4	5	3	6	10	5	7	4	5	7	10	8	9	3	8	3	5	117	other construction works
general truck transportation service					2			1	2	2	2	3	2	1	1	2	2	5	2	2	1	5	4	39	general truck transportation service
	electricity/telecommunication work steel frame/reinforced concrete house construction work other civil engineering work other building construction work building facility construction work other commerce other construction works general truck transportation	electricity/telecommunication work steel frame/reinforced concrete house construction work other civil engineering work other building construction work building facility construction work other commerce other construction works general truck transportation	electricity/telecommunication work steel frame/reinforced concrete house construction work other civil engineering work other building construction work building facility construction work other commerce other construction works general truck transportation	electricity/telecommunication work steel frame/reinforced concrete house construction work other civil engineering work other building construction work building facility construction work other commerce 1 other construction works 5 general truck transportation	electricity/telecommunication work steel frame/reinforced concrete house construction work other civil engineering work other building construction work building facility construction work other commerce other construction works 5 general truck transportation	electricity/telecommunication work steel frame/reinforced concrete house construction work other civil engineering work other building construction work building facility construction work other commerce other construction works 5 10 general truck transportation	electricity/telecommunication work steel frame/reinforced concrete house construction work other civil engineering work other building construction work building facility construction work other commerce other construction works 5 10 general truck transportation	electricity/telecommunication work steel frame/reinforced concrete house construction work other civil engineering work other building construction work building facility construction work other commerce other construction works for a second work 1	electricity/telecommunication work steel frame/reinforced concrete house construction work other civil engineering work other building construction work building facility construction work other commerce other commerce other construction work 24 25 18 32 25 80 80 80 80 80 80 80 80 80 8	electricity/telecommunication work steel frame/reinforced concrete house construction work other civil engineering work building facility construction work other commerce 1	electricity/telecommunication work 24 25 18 32 23 23 steel frame/reinforced concrete house construction work 13 13 32 25 26 24 other civil engineering work 3 1 1 2 5 5 other building construction work 6 7 5 6 13 10 building facility construction work 1 3 2 4 4 other commerce 1 1 1 2 1 4 other construction works 5 10 4 5 3 6 general truck transportation 2 1 2 2 1 2 2 2	electricity/telecommunication work 24 25 18 32 23 29 steel frame/reinforced concrete house construction work 13 13 32 25 26 24 13 other civil engineering work work 3 1 1 2 5 5 4 other building construction work 6 7 5 6 13 10 4 building facility construction work 1 3 2 4 4 4 other commerce 1 1 1 2 1 4 other construction works 5 10 4 5 3 6 10 general truck transportation 2 1 2 2 2 2	electricity/telecommunication work 24 25 18 32 23 29 25 steel frame/reinforced concrete house construction work 13 13 32 25 26 24 13 12 other civil engineering work work 3 1 1 2 5 5 4 2 other building construction work 6 7 5 6 13 10 4 9 building facility construction work 1 3 2 4 4 6 other commerce 1 1 1 2 1 4 1 other construction works 5 10 4 5 3 6 10 5 general truck transportation 2 1 2 2 3 3 3 3 4 4 6	electricity/telecommunication work 24 25 18 32 23 29 25 21 steel frame/reinforced concrete house construction work 13 13 32 25 26 24 13 12 12 other civil engineering work work 3 1 1 2 5 5 4 2 5 other building construction work 6 7 5 6 13 10 4 9 5 building facility construction work 1 3 2 4 4 6 1 other commerce 1 1 1 2 1 4 1 3 other construction works 5 10 4 5 3 6 10 5 7 general truck transportation 2 1 2 2 3 2	electricity/telecommunication work 24 25 18 32 23 29 25 21 21 steel frame/reinforced concrete house construction work 13 13 32 25 26 24 13 12 12 12 other civil engineering work 3 1 1 2 5 5 4 2 5 2 other building construction work 6 7 5 6 13 10 4 9 5 9 building facility construction work 1 3 2 4 4 6 1 3 other commerce 1 1 1 2 1 4 5 3 6 10 5 7 4 general truck transportation 2 1 2 2 2 2 3 2 1	electricity/telecommunication work 24	electricity/telecommunication work	electricity/telecommunication work							

170201	security service		5	4	4	9	4	7	7	3	8	3	2	6	8	8	5	2	4	4	3	96	security service
011501	ship building		8	3	1	6	5	6	1	6	2	4	2	1	2	2	4	1	7	5	3	69	ship building
170209	others		2	2	3		2	1	2	4	3	1	4	4	5	6	1	1	2	2	3	48	others
060101	agriculture		2		2		1	3	1	1	3	9	3	3	3	5	6		4	4	2	52	agriculture
030106	road construction work		2	2	2	1		4	1			1		2	1			1		2	2	21	road construction work
060209	other forestry			1									1	1	1	1			3		2	10	other forestry
030302	machinery/apparatus setting work		3	2	2	2	5		5	1	2	3	1		1	2	1		9	5	1	45	machinery/apparatus setting work
011701	auto mobile servicing		1			2	3		1	1	1	1	3			1	3	1	1	6	1	26	auto mobile servicing
030102	tunnel construction work		1	2	1	3	1	1	3				2			1	1	1	2	3	1	23	tunnel construction work
011209	other metal products		2	2	2		1	4				1					3		2	3	1	21	other metal products
150101	building maintenance service					1		1	3	1				1	2		2	2	1	1	1	16	building maintenance service
080209	other retails		1	1	1		1		2				2		1	2	1	1	1		1	15	other retails
011702	machine repair			1	1	1	1		2					1		4					1	12	machine repair
030104	railway construction work		1				1										2				1	5	railway construction work
040302	specific truck transportation service							1						1		1				1	1	5	specific truck transportation service
040101	railroad service										2					1					1	4	railroad service
080401	warehousing																		1		1	2	warehousing
030105	bridge construction work		1	6	1	1		6	1	1	1	1	1	1	2			2	2	1		28	bridge construction work
011301	machine products		1	3	2	1	2	1		1	1	2	2	1	1				1			19	machine products
011601	electric utility service				2	1	1		1		1	3			3		2		1	1		16	electric utility service
030202	wooden house construction work				3	2					1	1			2	1			1	2		13	wooden house construction work
110101	telecommunication service		2	1		1		2			3	1		1			1					12	telecommunication service
011709	other manufacturing					1		1		1			1	2	2	1	1	1				11	other manufacturing
080109	other wholesale			1					1	3			1						1			7	other wholesale

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050101	land cargo handling service							1	1					1				2	1			6	land cargo handling service
060201	lumbering					1	1	1									2					5	lumbering
150109	other cleaning and livestock process service		1									2			1	1						5	other cleaning and livestock process service
011009	other steel products					2		1	1													4	other steel products
011409	other electrical equipment									2			1	1								4	other electrical equipment
030109	land consolidation civil engineering work								1		1						1	1				4	land consolidation civil
011502	auto mobile products					1											1		1			3	auto mobile products
030107	river civil engineering work							1											1	1		3	river civil engineering work
040103	airline service				1		1	1														3	airline service
010209	other textile products					1													1			2	other textile products
010805	plastics products								1											1		2	plastics products
010901	cement products									1	1											2	cement products
010909	other sand and stone products		1										1									2	other sand and stone
011001	steel/iron/rolling products									1						1						2	steel/iron/rolling products
011509	other transport equipment products						1							1								2	other transport equipment products
040309	other land cargo transportation service										1								1			2	other land cargo transportation service
040409	other transportation service					1														1		2	other transportation service
050202	port cargo handling service		1		1																	2	port cargo handling service
070101	livestock								1					1								2	livestock
080201	all kinds of retail						1		1													2	all kinds of retail
080202	auto mobile retail		1														1					2	auto mobile retail
080203	furniture/fittings retail								1	1												2	furniture/fittings retail

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090209	other advertisement and mediator								1										1	2	other advertisement and mediator
100109	other movie/play service				1	1									1					2	other movie/play service
120109	other education/research				1	1								1						2	other education/research
140201	general restaurant													1				1		2	general restaurant
140301	golf course		1													1				2	golf course
140309	other amusement service												2							2	other amusement service
150103	other waste disposal service							1									1			2	other waste disposal service
010104	bread/cake products												1							1	bread/cake products
010401	lumbering										1									1	lumbering
010509	other furniture									1										1	other furniture
010702	bookbinding										1									1	bookbinding
010709	other printing and bookbinding																1			1	other printing and bookbinding
010801	non organic or organic									1										1	non organic or organic
010802	chemical fiber									1										1	chemical fiber
010899	other chemical products											1								1	other chemical products
011002	casting products						1													1	casting products
011201	western tableware/cutting tool products																	1		1	western tableware/cutting tool products
011204	metal plating products																		1	1	metal plating products
011402	electrical appliance								1											1	electrical appliance
030101	hydroelectric plant construction work																	1		1	hydroelectric plant construction work
	sand collapse prevention civil																				sand collapse prevention civil

030108	engineering work									1					1	engineering work
040202	bus service											1			1	bus service
040303	cargo/ light automobile transportation service										1				1	cargo/ light automobile transportation service
120102	software service					1									1	software service
130101	hospital		1												1	hospital
130201	social welfare facility													1	1	social welfare facility
130301	bathhouse							1							1	bathhouse
140101	hotel						1								1	hotel
140302	park and amusement park							1							1	park and amusement park
150102	industrial waste management service											1			1	industrial waste management service
010101	meat/dairy products															meat/dairy products
010102	fishery products															fishery products
010103	agricultural food products															agricultural food 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
010301	over/under wear															over/under wear
010309	other fiber products															other fiber products
010402	plywood															plywood
010409	other lumber and wood															other lumber and wood

	products											products
010501	wood furniture											wood furniture
010502	metal furniture											metal furniture
010503	fittings											fittings
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											printing service
010803	pharmaceuticals											pharmaceuticals
010804	petroleum/coal products											petroleum/coal products
010806	rubber products											rubber products
010807	leather products											leather products
010808	painting products											painting products
010809	chemical fertilizer products											chemical fertilizer 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
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
011202	screw products											screw products
011203	metal press products											metal press 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
	electronics equipment and telecommunications apparatus												electronics equipment and telecommunications apparatus
011503	railway vehicle products												railway vehicle 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
011703	cleaning												cleaning
011704	tobacco products												tobacco products
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
030103	subway construction work												subway construction work
030110	water supply/sewage construction work												water supply/sewage construction work

1		 											
030111	port/seaside construction												port/seaside construction work
040102	water transportation service												water transportation service
040201	taxi service												taxi service
040209	other passenger transport service												other passenger transport
050201	general harbor transportation service												general harbor transportation 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
080204	fuel retail												fuel retail
080205	newspaper retail												newspaper retail
080301	haircut												haircut
080302	beauty salon												beauty salon
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
100101	movie production and delivery service												movie production and delivery service
100102	movie theatre												movie theatre

120101	auto mobile practical training																						auto mobile practical training
130102	general clinic																						general clinic
130109	other medical treatment																						other medical treatment
	service																						service
130309	other health and hygiene																						other health and hygiene
	service																						service
140209	other restaurants																						other restaurants
150104	cremation service																						cremation service
150105	livestock process service																						livestock process service
160101	public office																						public office
170101	dispatch service																						dispatch service
170202	information processing																						information processing
	service																						service
	total		91	95	98	114	112	119	105	92	90	88	81	89	102	105	95	78	119	100	102	1,875	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