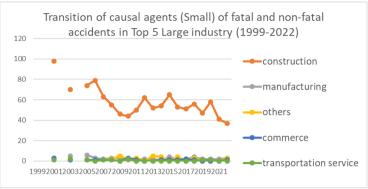
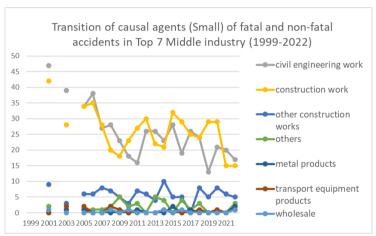
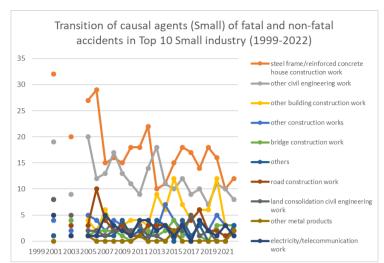
Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 143 foundation work machine (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 143 foundation work machine in Large industry (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 143 foundation work machine in Middle Industry (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 143 foundation work machine in Small Industry (1999-2022)

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 143 foundation work machine in Large industry (1999-2022)

Trans	tion of causal agents (Small) of fat																										
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
03	construction			98		70		74	79	63	55	46	44	50	62	52	54	65	53	51	56	47	58	41	37	1,155	construction
01	manufacturing			2		5		6	3	2	3	3	1	2	2	2	1	4	2	2	4	2	2	2	3	53	manufacturing
17	others			2		1		1	1	1	2	5	2	3		5	4		4	1	3				3	38	others
08	commerce			3		1		1	1	1	1		3	1			1	1	1	2	1				1	19	commerce
04	transportation service			1		2		1		1	1		2									1	1			10	transportation service
02	mining			1		1		3								1								1		7	mining
15	commercial cleaning and livestock process								3	1	1					1	1									7	commercial cleaning and livestock process
06	agriculture												1						1	1						3	agriculture
12	education/research service																1									1	education/research service
13	health and hygiene service															1										1	health and hygiene service
14	hotel/restaurant/amusement service																					1				1	hotel/restaurant/amusement service
05	cargo handling service																										cargo handling 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
16	public office																										public office
	total			107		80		86	87	69	63	54	53	56	64	62	62	70	61	57	64	51	61	44	44	1,295	total

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 143 foundation work machine in Middle industry (1999-2022)

cc	de Middle industry	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	20201	2021	2022	total	Middle industry
																											civil engineering

	civil engineering work		47	39						18													513	work
0302	construction work		42	28	34	35	28	20	18	23	27	30	22	21	32	29	25	24	29	29	15	15	526	construction work
0303	other construction works		9	3	6	6	8	7	5	3	7	6	4	10	5	5		8	5	8	6	5	116	other construction works
1702	others		2	1	1	1	1	2	5	2	3		5	4		4	1	3				3	38	others
0112	metal products			1	1						1				2		1					2	8	metal products
0115	transport equipment products			2	2			2	1					1				1		1		1	11	transport equipment products
0801	wholesale		1					1		1				1		1						1	6	wholesale
0117	other manufacturing	\Box		2	2	1	1								2	1		2	2	1	2		16	other manufacturing
0403	road cargo transportation service		1	2			1	1		2									1	1			9	road cargo transportation service
0113	machine products		1					1		1		2	2			1							8	machine products
	other commerce		1	1			1			1	1				1		1	1					8	other commerce
1501	commercial cleaning and livestock process					3	1	1					1	1									7	commercial cleaning and livestock process
	sand and stone products		1			2	1		1														5	sand and stone products
0202	quarrying			1	2								1								1		5	quarrying
0802	retail		1		1	1				1							1						5	retail
0601	agriculture									1						1	1						3	agriculture
0110	steel making										1						1						2	steel making
0203	other mining		1		1																		2	other mining
0104	wood products								1														1	wood products
0105	furniture				1																		1	furniture
0114	electrical equipment products																	1					1	electrical equipment products
	railroad/water transportation/airline service				1																		1	railroad/water transportation/airline service
1201	education/research service													1									1	education/research service
1303	other health and hygiene service												1										1	other health and hygiene service
1403	other amusement service																		1				1	other amusement service
0101	food products																							food products
	textile products																							textile products
0103	fiber products																							fiber products
0106	pulp/paper processing products																							pulp/paper processing products
	printing/bookbinding																							printing/bookbinding
0108	chemical products																							chemical products
0111	nonferrous metal making																							nonferrous metal making

0116	electric/gas/water service																								electric/gas/water service
0201	coal mining																								coal mining
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
	forestry																								forestry
	livestock																								livestock
0702	fishery																								fishery
0803	haircut/beauty salon																								haircut/beauty salon
0901	financial business																								financial business
0902	advertisement and mediator																								advertisement and mediator
1001	movie/play service																								movie/play service
1101	telecommunication service																								telecommunication service
1301	medical treatment service																								medical treatment service
1302	social welfare facility																								social welfare facility
1401	hotel																								hotel
1402	restaurant																								restaurant
1601	public office																								public office
1701	dispatch service																								dispatch service
	total		107	8	30	86	87	69	63	54	53	56	64	62	62	70	61	57	64	51	61	44	44	1,295	total

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 143 foundation work 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	2017	2018	2019	2020	2021	2022	total	Small industry
code		1777	2000	2001	2002	2003	2004	2003	2000	2007	2000	1	2010	2011	2012	2013	2017	2013	2010	2017	2010	2017	2020	2021	2022	lotai	
	steel frame/reinforced																										steel frame/reinforced
030201	concrete house construction			32		20		27	29	15	16	15	18	18	22	10	11	15	18	17	14	18	16	10	12	353	concrete house construction
	work																										work
	other civil engineering work			19		9		20	12	13	17	13	11	9	14	18	11	10	12	9	10	7	11	10	8	243	other civil engineering work
020200	other building construction							4								o		10					12	_		104	other building construction
030209	work) 		3		4	2	6	2	3	4	4	3		6	12		4	6	6	12	3	3	104	work
030309	other construction works			4		2		5	4	2	4	3	2	3	1	2	7	4	2		4	2	5	3	3	62	other construction works
030105	bridge construction work			1		4		1	2	2	2	1		1	2	1	2	4	1	5	1		3	3	3	39	bridge construction work
170209	others			1		1		1	1	1	1	4	1	2		4	3		4	1	3				3	31	others
030106	road construction work			8		3		3	10	4	2	3	1	1	3	3	3	2	3	4	6	2	2	1	2	66	road construction work
030109	land consolidation civil			o		_		2	2	1	2			2	1	1		2		_	1	2			2	43	land consolidation civil
030109	engineering work			0					<u> </u>	1				3	1	1)	1					43	engineering work
011209	other metal products					1		1						1				2							2	7	other metal products

030301 electricity/telecommunication work		5	1	1	1	5	3	2	1	4	4	2	3	1	3		4	2	1	3	1	47	electricity/telecommunication work
030111 port/seaside construction work		1		1	1	2	1	1	1					1	1	2				2	1	15	port/seaside construction work
030102 tunnel construction work			3			1						i		1			1		2	1	1	10	tunnel construction work
011509 other transport equipment products			1	2			2	1													1	7	other transport equipment products
030302 machinery/apparatus setting work					1	1					1							1	2		1	7	machinery/apparatus setting work
080109 other wholesale		1					1		1				1		1						1	6	other wholesale
030202 wooden house construction work		5	5	2	3	6	2		1	5	3	3	3	4	3	3	4	3	1	2		58	wooden house construction work
030107 river civil engineering work		8	2	5	6	3	1		1		1	1	4	5		1	3	1		1		43	river civil engineering work
030110 water supply/sewage construction work		2	12	1	4	1		3	2	2	2	2	1	1			1		1	1		36	water supply/sewage construction work
011702 machine repair			1	2	1									2			1	2	1	2		12	machine repair
030203 building facility construction work				1	1	1					2		1	1	1	1		2				11	building facility construction work
040301 general truck transportation service		1	2			1	1		2									1	1			9	general truck transportation service
011301 machine products		1					1		1		2	2			1							8	machine products
030108 sand collapse prevention civil engineering work			1	1			1				2			1					1	1		8	sand collapse prevention civil engineering work
080409 other commerce		1	1			1			1	1				1		1	1					8	other commerce
030104 railway construction work					1		2				1			1				1	1			7	railway construction work
170201 security service		1					1	1	1	1		1	1									7	security service
150102 industrial waste management service					2	1	1						1									5	industrial waste management service
010909 other sand and stone products		1			1	1		1														4	other sand and stone products
020201 quarrying			1	1								1								1		4	quarrying
011502 auto mobile products			1										1				1					3	auto mobile products
030101 hydroelectric plant construction work													2				1					3	hydroelectric plant construction work
060101 agriculture									1						1	1						3	agriculture
080204 fuel retail				1					1							1						3	fuel retail
011009 other steel products										1						1						2	other steel products
011701 auto mobile servicing						1									1							2	auto mobile servicing
011709 other manufacturing			1														1					2	other manufacturing
020309 other mining		1		1																		2	other mining
080209 other retails		1			1																	2	other retails
010409 other lumber and wood products								1														1	other lumber and wood products
010503 fittings				1																		1	fittings
010901 cement products					1																	1	cement products
	1	1		1		1		1		П						1	1						

011203 metal press products														1					1	metal press products
011409 other electrical equipment															1				1	other electrical equipment
011501 ship building																	1		1	ship building
020202 gravel digging					1														1	gravel digging
040101 railroad service					1														1	railroad service
other education/research service												1							1	other education/research
other health and hygiene service											1								1	other health and hygiene service
140301 golf course																1			1	golf course
150103 other waste disposal service				╁	i						1								1	other waste disposal service
other cleaning and livestock process service						1													1	other cleaning and livestock process service
010101 meat/dairy products	<u> </u>			╁							\vdash									meat/dairy products
010102 fishery products				╁	╁						\vdash					1				fishery products
010103 agricultural food products				╬	╫	H					\vdash	H			= -	╬				agricultural food products
010104 bread/cake products				1	╁							H								bread/cake products
010105 alcoholic drinks				1	╁															alcoholic drinks
010106 soft drinks				╬	╁															soft drinks
010109 other foods				-	╁						\vdash									other foods
010201 silk-reeling				-	╁						\vdash									silk-reeling
010202 cotton-spinning			_	╬	╫						\vdash	H				╬	╁─┼	_	-	cotton-spinning
010203 weaving					╫							H								weaving
010204 dyeing																				dyeing
010209 other textile products											\vdash	Ш								
010301 over/under wear	<u></u> -	_	_	-	+	$\vdash\vdash$						\vdash			_	-	╬	_	-	other textile products
	<u> </u>	_	_	-	+							\vdash			_	-	╬	_		over/under wear
010309 other fiber products																				other fiber products
010401 lumbering	<u> </u>		_	-	-						\blacksquare	\vdash				-			<u> </u>	lumbering
010402 plywood	<u> </u>	_	_ _	-	-	\square					\blacksquare	\sqsubseteq	\square	_	_ _	-		_	<u> </u>	plywood
010501 wood furniture																				wood furniture
010502 metal furniture																				metal furniture
010509 other furniture					<u> </u>															other furniture
010601 pulp/paper		_	_ _	-	<u> </u>	\square				 	\sqsubseteq	Щ	<u> </u>	_	_ _	_		_	<u> </u>	pulp/paper
010602 paper processing products				_	Щ							Щ						_		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

	<u></u>				 		=	=				=			_	=	 =	=	—	<u> </u>		
010804 petroleum/coal products							Щ									\sqsubseteq			_			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
010902 glass products																						glass products
010903 pottery products																						pottery products
010904 fire resisting products																						fire resisting products
010905 other ceramic products																						other ceramic products
011001 steel/iron/rolling products																						steel/iron/rolling products
011002 casting products																						casting products
011101 nonferrous metals/rolling products																						nonferrous metals/rolling products
011102 nonferrous metals casting products																						nonferrous metals casting products
other nonferrous metal products																						other nonferrous metal products
011201 western tableware/cutting tool products																						western tableware/cutting tool products
011202 screw products																						screw products
011204 metal plating products																						metal plating 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
011503 railway vehicle products																						railway vehicle products
011601 electric utility service																						electric utility service
011602 city gas service		T)																				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														Ti	$\overline{}$	\Box						general coal mining
020109 other coal mining	T						一					$\overline{\Box}$		Ti		一						other coal mining
020209 other quarrying					$\overline{}$		\Box					$\overline{}$				$\overline{\Box}$	$\overline{}$			=		other quarrying
		!		إـــــــا		=	=	=	=	=	==					=		=			!	

020301 metal mining												metal mining
020302 petroleum mining												petroleum mining
030103 subway construction work												subway construction work
040102 water transportation service												water transportation service
040103 airline service	i											airline service
040201 taxi service	imi					T i	T		T			taxi service
040202 bus service												bus service
040209 other passenger transport service												other passenger transport service
040302 specific truck transportation 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 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
060201 lumbering												lumbering
060209 other forestry												other forestry
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
080201 all kinds of retail												all kinds of retail
080202 auto mobile retail												auto mobile retail
080203 furniture/fittings retail												furniture/fittings retail
080205 newspaper retail												newspaper retail
080301 haircut												haircut
080302 beauty salon												beauty salon
080401 warehousing												warehousing
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
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																							other movie/play service
110101 telecommunication service																							telecommunication service
120101 auto mobile practical training	3																						auto mobile practical training
120102 software service																							software service
130101 hospital																							hospital
130102 general clinic																							general clinic
other medical treatment service																							other medical treatment service
130201 social welfare facility																							social welfare facility
130301 bathhouse																							bathhouse
140101 hotel																							hotel
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
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 service																							information processing service
total		107	80	86	87	69	63	54	53	56	64	62	62	70	61	57	64	51	61	44	44	1,295	total

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

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