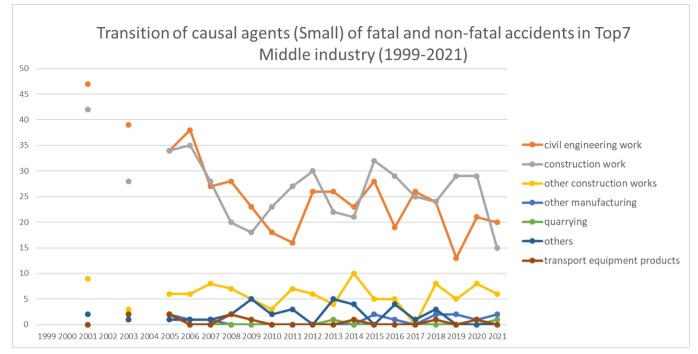
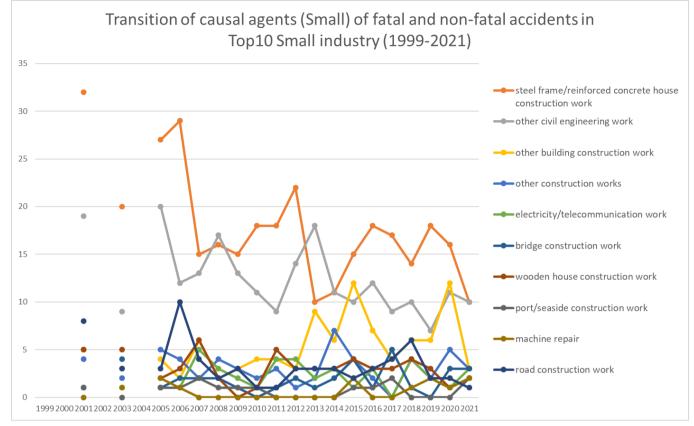


Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 143 foundation work machine in Large industry (1999-2021)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 143 foundation work machine in Middle Industry (1999-2021)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 143 foundation work machine in Small Industry (1999-2021)

## Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 143 foundation work 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
03	construction			98		70		74	79	63	55	46	44	50	62	52	54	65	53	51	56	47	58	41	1,118	construction
01	manufacturing			2		5		6	3	2	3	3	1	2	2	2	1	4	2	2	4	2	2	2	50	manufacturing
02	mining			1		1		3								1								1	7	mining
17	others			2		1		1	1	1	2	5	2	3		5	4		4	1	3				35	others
08	commerce			3		1		1	1	1	1		3	1			1	1	1	2	1				18	commerce
04	transportation service			1		2		1		1	1		2									1	1		10	transportation service
15	commercial cleaning and								3	1	1					1	1								7	commercial cleaning and
	livestock process									<b>"</b>	<b>"</b>														<b> </b>	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																		1			1	hotel/restaurant/amusement
	service																		Ľ			<b> </b>	service
05	cargo handling service																						cargo handling service
07	livestock/fishery																						livestock/fishery
09	financial																						financial
0,	business/advertisement																						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	1,251	total

## Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 143 foundation work 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
0301	civil engineering work			47		39		34	38	27	28	23	18	16	26	26	23	28	19	26	24	13	21	20	496	civil engineering work
0302	construction work			42		28		34	35	28	20	18	23	27	30	22	21	32	29	25	24	29	29	15	511	construction work
0303	other construction works			9		3		6	6	8	7	5	3	7	6	4	10	5	5		8	5	8	6	111	other construction works
0117	other manufacturing					2		2	1	1								2	1		2	2	1	2	16	other manufacturing
0202	quarrying					1		2								1								1	5	quarrying
1702	others			2		1		1	1	1	2	5	2	3		5	4		4	1	3				35	others
0115	transport equipment products					2		2			2	1					1				1		1		10	transport equipment products
																										road cargo

0403	road cargo transportation service		1	2			1	1		2									1	1	9	transportation service
0113	machine products		1					1		1		2	2			1					8	machine products
0804	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
0112	metal products			1	1						1				2		1				6	metal products
0109	sand and stone products		1			2	1		1												5	sand and stone products
0801	wholesale		1					1		1				1		1					5	wholesale
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
0401	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

0102	textile products											textile products
0103	fiber products											fiber products
0106	pulp/paper processing products											pulp/paper processing products
0107	printing/bookbinding											printing/bookbinding
0108	chemical products											chemical products
0111	nonferrous metal making											nonferrous metal making
0116	i 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
0602	forestry											forestry
0701	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
	delecommunication service																						service
1201																							medical treatment
1301	medical treatment service																						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	80	86	87	69	63	54	53	56	64	62	62	70	61	57	64	51	61	44	1,251	total

## Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 143 foundation work 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
	steel frame/reinforced																									steel frame/reinforced
	concrete house construction work			32		20		27	29	15	16	15	18	18	22	10	11	15	18	17	14	18	16	10	341	concrete house construction work
	work													<u> </u>				Ļ								WOIR
030199	other civil engineering work			19		9		20	12	13	17	13	11	9	14	18	11	10	12	9	10	7	11	10	235	other civil engineering work
030209	other building construction			5		3		4	2	6	2	3	4	4	3	9	6	12	7	4	6	6	12	3	101	other building construction
	work			5		5		<b>–</b>	2		2								ľ			<u> </u>		5		work
030309	other construction works			4		2		5	4	2	4	3	2	3	1	2	7	4	2		4	2	5	3	59	other construction works
030301	electricity/telecommunication			E		1		1	1	5	3	2	1	4		2	3	1	2			2	1	3	46	electricity/telecommunication
	work			5				1		5	5	Z	1	4	4	Z	5		5		4	2		5	40	work
030105	bridge construction work			1		4		1	2	2	2	1		1	2	1	2	4	1	5	1		3	3	36	bridge construction work
	wooden house construction			-		-		_	_		_		1	L.						2		2		2	50	wooden house construction
030202	work			5		5		2	3	6	2			5	3	3	3	4	3	3	4	3		2	58	work
030111	port/seaside construction			1				1	1	<u> </u>	1	1	1					1	1	2				2	14	port/seaside construction
	work									2								<b>"</b>	<b>"</b>	Z				2	14	work

				1		1	<u> </u>					1	1	1			1	1			1		1		
011702	machine repair				1		2	1									2			1	2	1	2	12	machine repair
030106	road construction work		8		3		3	10	4	2	3	1	1	3	3	3	2	3	4	6	2	2	1	64	road 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
030102	tunnel construction work				3				1								1			1		2	1	9	tunnel construction work
030108	sand collapse prevention civil engineering work				1		1			1				2			1					1	1	8	sand collapse prevention civil engineering work
020201	quarrying				1		1								1								1	4	quarrying
030109	land consolidation civil engineering work		8		5		2	2	1	2	2	2	3	1	1		2	2	5	1	2			41	land consolidation civil engineering work
170209	others		1		1		1	1	1	1	4	1	2		4	3		4	1	3				28	others
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
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
011509	other transport equipment products				1		2			2	1													6	other transport equipment products
030302	machinery/apparatus setting work							1	1					1							1	2		6	machinery/apparatus setting work
011209	other metal products				1		1						1				2							5	other metal products
080109	other wholesale		1							1		1				1		1						5	other wholesale
	industrial waste management																								industrial waste management

150102	service					2	1	1					1					5	service
10909			1			1	1		1									 4	other sand and stone
	products																		products
011502	auto mobile products			1									1			1		 3	auto mobile products
030101	hydroelectric plant												2			1		3	hydroelectric plant
	construction work																		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
010400	other lumber and wood																		other lumber and wood
010409	products								ľ										products
010503	fittings				1													1	fittings
010901	cement products					1												1	cement products
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
120109	other education/research service												1					1	other education/research service
130309	other health and hygiene service											1						 1	other health and hygiene service

140301	golf course								1		1	golf course
150103	other waste disposal service						1				1	other waste disposal service
150109	other cleaning and livestock process service			1							1	other cleaning and livestock process 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											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
010501	wood furniture											wood furniture
010502	metal furniture											metal furniture
010509	other furniture											other furniture
010601	pulp/paper											pulp/paper
010602	paper processing products											paper processing products
010609	other pulp/paper processing											other pulp/paper processing

	products										products
010701	printing service										 printing service
010702	bookbinding										bookbinding
010709	other printing and										other printing and
	bookbinding										 bookbinding
010801	non organic or organic chemical products										non organic or organic chemical products
	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
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										nonferrous metals/rolling
	products										products
011102	nonferrous metals casting										nonferrous metals casting
	products										 products
	other nonferrous metal										other nonferrous metal

011109	products									products
	western tableware/cutting									western tableware/cutting
011201	tool products									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									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
020209	other quarrying									other quarrying

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													airline service
040201	taxi service													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
	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										auto mobile practical training
120102	software service										software service
130101	hospital										hospital
130102	general clinic										general clinic
	other medical treatment										other medical treatment

130109	service																						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																						information processing
	service																						service
	total		107	80	86	87	69	63	54	53	56	64	62	62	70	61	57	64	51	61	44	1,251	total

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

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