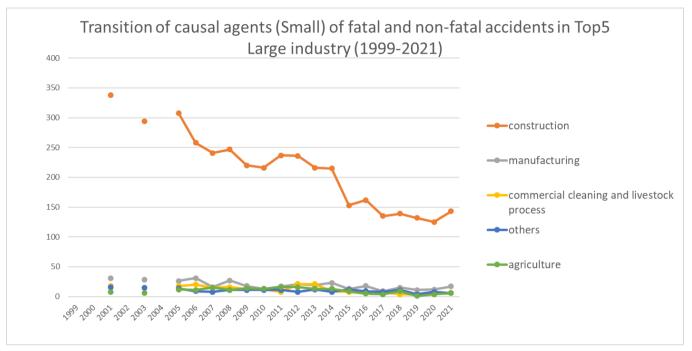
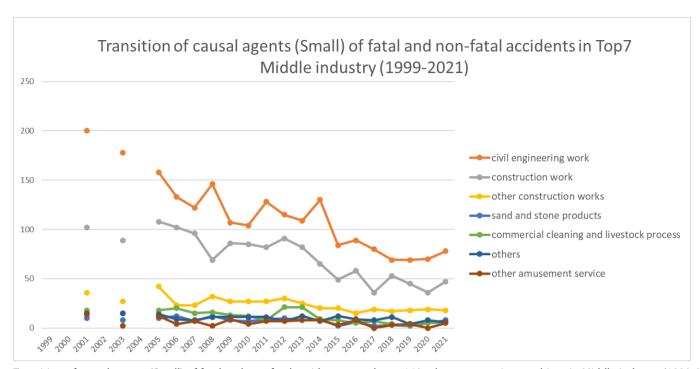
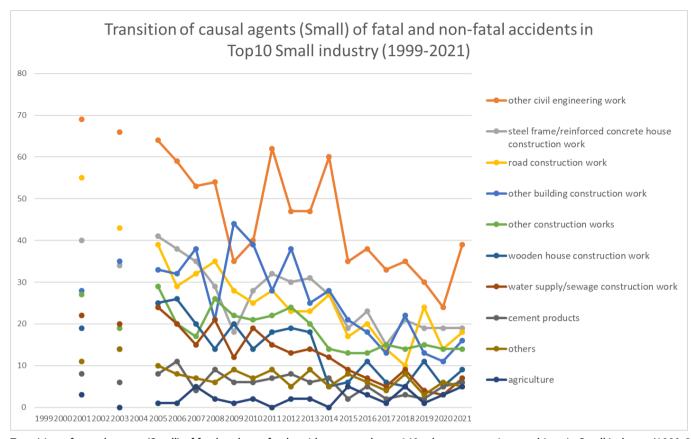
Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 149 other construction machines (1999-2021)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 149 other construction machines in Large industry (1999-2021)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 149 other construction machines in Middle Industry (1999-2021)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 149 other construction machines in Small Industry (1999-2021)

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 149 other construction machines 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			338		294		308	258	241	247	220	216	237	236	216	215	153	162	135	139	132	125	143	4,015	construction
01	manufacturing			31		28		26	31	16	27	18	13	17	21	19	23	13	18	9	15	11	12	17	365	manufacturing
15	commercial cleaning and			18		15		18	20	15	16	13	12	8	21	21	9	8	5	7	4	3	5	6	224	commercial cleaning and
	livestock process			10				10	20				12		21	21							5		224	livestock process
17	others			16		15		14	9	8	11	11	11	11	8	12	8	12	9	8	11	4	8	6	192	others
06	agriculture			8		6		12	11	15	11	14	13	16	16	13	13	9	5	4	9	1	4	6	186	agriculture
04	transportation service			8		12		5	18	14	9	12	6	10	10	7	8	6	7	6	10	3	9	5	165	transportation service
	hotel/restaurant/amusement																									hotel/restaurant/amusement

14	service		15	2	13	4	7	2	9	4	8	8	11	9	3	9		3	4		5	116	service
02	mining		8	4	4	2	2	2	3	2	1	1	4	2	1	4	2	3	1	1	2	49	mining
05	cargo handling service			2	2	1			1	1	1	1	1			1					2	13	cargo handling service
08	commerce		14	9	17	8	12	12	11	12	13	6	12	9	6	5	9	4	6	7	1	173	commerce
13	health and hygiene service		3		1						5	1	1			1			1	1	1	15	health and hygiene service
07	livestock/fishery			1		1							1						1		1	5	livestock/fishery
12	education/research service		1		1	1			1	1		1	3	1	1	1						12	education/research service
09	financial									1		1	1									3	financial
	business/advertisement												<u> </u>									110	business/advertisement
11	telecommunication service																			1		1	telecommunication service
16	public office																		1			1	public office
10	movie/play service																						movie/play service
	total		460	388	421	364	330	337	313	292	327	331	322	297	212	227	180	198	168	173	195	5,535	total

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 149 other construction machines 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			200		178		158	133	122	146	107	104	128	115	109	130	84	89	80	69	69	70	78	2,169	civil engineering work
0302	construction work			102		89		108	102	96	69	86	85	82	91	82	65	49	58	36	53	45	36	47	1,381	construction work
0303	other construction works			36		27		42	23	23	32	27	27	27	30	25	20	20	15	19	17	18	19	18	465	other construction works
0109	sand and stone products			10		8		10	12	7	12	8	7	9	10	8	9	2	6	2	3	2	5	8	138	sand and stone
1501	commercial cleaning and livestock process			18		15		18	20	15	16	13	12	8	21	21	9	8	5	7	4	3	5	6	224	commercial cleaning and livestock process
1702	others			15		15		14	9	8	11	11	11	11	7	12	7	12	9	8	11	4	8	6	189	others
																										other amusement

1403	other amusement service	14	2	12	4	7	2	9	4	7	7	8	8	3	8		3	4		5	107	service
0117	other manufacturing	8	8	8	11	1	5	3	3	4	3	6	3	5	5	3	3	5	2	5	91	other manufacturing
0601	agriculture	3		1	1	5	2	1	2		2	2		5	3	1	5	1	3	5	42	agriculture
0403	road cargo transportation service	8	12	4	15	13	9	9	6	10	9	5	8	5	7	4	8	2	8	3	145	road cargo transportation service
0202	quarrying	8	3	3	2	2	2	2	2	1	1	2	2	1	4	2	2		1	2	42	quarrying
0113	machine products	2	4	3	3	1	4				1		3	4	4		4		1	2	36	machine products
0401	railroad/water transportation/airline service			1	1	1		1				2		1		2	1	1	1	2		railroad/water transportation/airline service
0602	forestry	5	6	11	10	10	9	13	11	16	14	11	13	4	2	3	4		1	1	144	forestry
0802	retail	6	3	6	4	4	3	4	4		4	2	5	1	3	4	1	3	2	1	60	retail
0112	metal products	1	3	2	3	3		2	1	1	3	1	5		1	2	1	1	2	1	33	metal products
0104	wood products	3	3			3		1		1	1	1		1		1		1		1	17	wood products
1302	social welfare facility	1		1						2		1			1				1	1	8	social welfare facility
0501	land cargo handling service		1	2				1	1	1										1	7	land cargo handling
0502	harbor transportation service		1		1						1	1			1					1	6	harbor transportation service
0701	livestock		1		1							1						1		1	5	livestock
0801	wholesale	3	5	7	1	4	5	4	6	8	2	5	1	1	1	1	2	1	1		58	wholesale
0804	other commerce	5	1	4	3	4	4	3	2	5		5	3	4	1	4	1	2	4		55	other commerce
0110	steel making		2			1	1		1		2		2	1			1	2	1		14	steel making
0115	transport equipment products	2		1	1		1	3	1			1			1		3				14	transport equipment products
1201	education/research service	1		1	1			1	1		1	3	1	1	1						12	education/research service

																			1		
0108	chemical products		1		2	1		1			1	1	1	1						9	chemical products
1401	hotel				1					1	1	2	1	1						7	hotel
0101	food products		1				2			2		1								6	food products
0203	other mining				1			1				2				1	1			6	other mining
0404	other transportation service					2		1			1					1				5	other transportation service
1301	medical treatment service		1							2	1									4	medical treatment
0114	electrical equipment products		1				1								1					3	electrical equipmer
0902	advertisement and mediator								1		1	1								3	advertisement and mediator
1303	other health and hygiene service		1							1							1			3	other health and hygiene service
1701	dispatch service		1								1		1							3	dispatch service
0111	nonferrous metal making		1															1		2	nonferrous metal making
0116	electric/gas/water service		1				1													2	electric/gas/water service
1402	restaurant		1									1								2	restaurant
0201	coal mining			1																1	coal mining
0402	road passenger transport service							1												1	road passenger transport service
1101	telecommunication service																	1		1	telecommunicatio service
1601	public office																1			1	public office
0102	textile products																				textile products

0103	fiber products																						fiber products
0105	furniture																						furniture
0106	pulp/paper processing products																						pulp/paper processing
	pulp/puper processing products																						products
0107	printing/bookbinding																						printing/bookbinding
0702	fishery																						fishery
0803	haircut/beauty salon																						haircut/beauty salon
0901	financial business																						financial business
1001	movie/play service																						movie/play service
	total		460	388	421	364	330	337	313	292	327	331	322	297	212	227	180	198	168	173	195	5,535	total

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 149 other construction machines 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
030199	other civil engineering work			69		66		64	59	53	54	35	40	62	47	47	60	35	38	33	35	30	24	39	890	other civil engineering work
	steel frame/reinforced concrete house construction work			40		34		41	38	35	29	18	28	32	30	31	27	19	23	15	21	19	19	19	518	steel frame/reinforced concrete house construction work
030106	road construction work			55		43		39	29	32	35	28	25	28	23	23	27	17	20	14	10	24	14	18	504	road construction work
030209	other building construction work			28		35		33	32	38	21	44	39	28	38	25	28	21	18	13	22	13	11	16	503	other building construction work
030309	other construction works			27		19		29	20	17	26	22	21	22	24	20	14	13	13	15	14	15	14	14	359	other construction works
030202	wooden house construction work			19		14		25	26	20	14	20	14	18	19	18	5	6	11	6	5	11	5	9	265	wooden house construction work
030110	water supply/sewage construction work			22		20		24	20	15	21	12	19	15	13	14	12	9	7	5	9	4	3	7	251	water supply/sewage construction work
010901	cement products			8		6		8	11	4	9	6	6	7	8	6	7	2	5	2	3	2	5	6	111	cement products

170209	others		11	14	10	8	7	6	9	7	9	5	9	5	8	6	4	8	3	6	5	140	others
060101	agriculture		3		1	1	5	2	1	2		2	2		5	3	1	5	1	3	5	42	agriculture
030102	tunnel construction work		19	15	9	8	7	9	7	6	9	6	4	6	2	11	9	6	3	10	4	150	tunnel construction work
140301	golf course		10	1	11	3	6	2	6	3	5	6	5	7	3	8		2	3		4	85	golf course
011701	auto mobile servicing		2	4	4	7		1		1	3	1	3		3	2	3	2	4	1	4	45	auto mobile servicing
150102	industrial waste management service		11	10	13	15	9	11	9	8	5	14	12	7	5	2	6	3	3	4	3	150	industrial waste management service
040301	general truck transportation service		7	7	2	13	12	5	7	6	9	7	4	8	4	5	3	7	1	6	3	116	general truck transportation service
030203	building facility construction work		15	6	9	6	3	5	4	4	4	4	8	5	3	6	2	5	2	1	3	95	building facility construction work
030301	electricity/telecommunication work		8	7	10	3	4	4	4	6	2	4	3	6	7	2	3	3	2	4	2	84	electricity/telecommunication work
030107	river civil engineering work		4	6	1	5		6	9	4	3	7	5	4	2	4	3	2	2	3	2	72	river civil engineering work
030108	sand collapse prevention civil engineering work		9	6	2		2	5	2	1	2	2	5	3	6	3	1	2	3	3	2	59	sand collapse prevention civil engineering work
030105	bridge construction work		3	4	3	5	3	2	4		1	3	3	5	1		1	1	1	2	2	44	bridge construction work
011301	machine products		2	4	3	3	1	4				1		3	4	4		4		1	2	36	machine products
030104	railway construction work		7	1	3	1	2	1		2	1	2	1	1	2		3		1	2	2	32	railway construction work
010909	other sand and stone products		1	2	2	1	1	3	1	1	1	2	2	2		1					2	22	other sand and stone products
030302	machinery/apparatus setting work		1	1	3		2	2	1		3	2	2				1		1	1	2	22	machinery/apparatus setting work
040101	railroad service					1	1		1				1		1		2	1	1		2	11	railroad service
030109	land consolidation civil engineering work		9	14	6	6	5	10	6	5	5	9	6	7	8	5	9	4	1	7	1	123	land consolidation civil
060201	lumbering		4	6	11	5	5	6	6	6	12	9	11	9	2	2	2	3		1	1	101	lumbering

170201	security service		4	1	4	1	1	5	2	4	2	2	3	2	4	3	4	2	1	2	1	48	security service
080209	other retails		3	2	3	4	2	2	2	4		4	1	4	1	2	3	1	3	2	1	44	other retails
150103	other waste disposal service		1	3		2	1	3	1	4	1	2	7	2	3	2				1	1	34	other waste disposal service
020201	quarrying		7	3	2	1	2	2	2	2	1		2	1	1	3	1	1		1	1	33	quarrying
011209	other metal products		1	2	2	3	3		2	1	1	3	1	5		1	2	1	1	2	1	32	other metal products
011702	machine repair		6	3	3	2		1	3	2		2	1	1	1	2		1	1	1	1	31	machine repair
150109	other cleaning and livestock process service		4	2	2		3	2	3		1	4	1				1	1			1	25	other cleaning and livestock process service
030111	port/seaside construction work				3		3	1	3	1	1	1		5	1		2			1	1	23	port/seaside construction work
140309	other amusement service		2	1	1	1	1		1	1	2	1	1					1	1		1	15	other amusement service
150101	building maintenance service		2		3	3	2				1	1	1			1					1	15	building maintenance service
010409	other lumber and wood products		3	1			3		1				1		1		1		1		1	13	other lumber and wood products
020202	gravel digging		1		1	1								1		1	1	1			1	8	gravel digging
130201	social welfare facility		1		1						2		1			1				1	1	8	social welfare facility
050101	land cargo handling service			1	2				1	1	1										1	7	land cargo handling service
050202	port cargo handling service			1		1							1			1					1	5	port cargo handling service
070101	livestock			1		1							1						1		1	5	livestock
080109	other wholesale		3	4	7	1	3	5	4	6	8	2	5	1	1	1	1	2	1	1		56	other wholesale
080409	other commerce		5	1	4	3	4	4	3	2	5		4	3	4	1	4	1	2	4		54	other commerce
060209	other forestry		1			5	5	3	7	5	4	5		4	2		1	1				43	other forestry
030101	hydroelectric plant construction work		3	3	2			2	1	1	1	2	1		1	1				1		19	hydroelectric plant construction work
040302	specific truck transportation service			3	1	2		3	1			1	1		1	2			1	1		17	specific truck transportation service
011709	other manufacturing			1	1	2	1	3			1		2	2	1	1						15	other manufacturing
11				11		11	1	10		11	11		10	10	11				11	11	11	11	II .

011009	other steel products			1			1	1		1		2		2	1			1	2	1	13	other steel products
040309	other land cargo transportation service		1	2	1			1	1		1	1					1	1		1	11	other land cargo transportation service
120109	other education/research service		1		1	1				1		1	3	1	1	1					11	other education/research service
080204	fuel retail		1	1	1		1	1	2				1	1		1					10	fuel retail
140101	hotel				1						1	1	2	1		1					7	hotel
140302	park and amusement park		2						2				2	1							7	park and amusement park
011502	auto mobile products							1	2	1			1					1			6	auto mobile products
011509	other transport equipment products		2		1	1			1									1			6	other transport equipment products
010899	other chemical products				2	1			1					1							5	other chemical products
020309	other mining				1				1				1					1	1		5	other mining
040409	other transportation service					2			1			1						1			5	other transportation service
010401	lumbering			2							1	1									4	lumbering
080201	all kinds of retail		2		1		1														4	all kinds of retail
010905	other ceramic products						1		1		1										3	other ceramic products
090209	other advertisement and mediator									1		1	1								3	other advertisement and mediator
130101	hospital		1								1	1									3	hospital
130309	other health and hygiene service		1								1								1		3	other health and hygiene service
170101	dispatch service		1									1		1							3	dispatch service
010109	other foods		1								1										2	other foods
010805	plastics products											1				1					2	plastics products
011501	ship building															1		1			2	ship building
011601	electric utility service		1					1													2	electric utility service

030103 subway construction work					2											2	subway construction work
040102 water transportation service											1				1	2	water transportation service
080101 all kinds of wholesale			1			1										2	all kinds of wholesale
080202 auto mobile retail					1								1			2	auto mobile retail
140201 general restaurant		1									1					2	general restaurant
010101 meat/dairy products							1									1	meat/dairy products
010103 agricultural food products							1									1	agricultural food products
010104 bread/cake products											1					1	bread/cake products
010105 alcoholic drinks									1							1	alcoholic drinks
non organic or organic chemical products		1														1	non organic or organic
010804 petroleum/coal products											1					1	petroleum/coal products
010902 glass products		1														1	glass products
010904 fire resisting products						1										1	fire resisting products
011001 steel/iron/rolling products			1													1	steel/iron/rolling product
nonferrous metals/rolling products		1														1	nonferrous metals/rolling
other nonferrous metal products															1	1	other nonferrous metal
011203 metal press products			1													1	metal press products
011401 heavy electrical equipment							1									1	heavy electrical equipme
011402 electrical appliance													1			1	electrical appliance
other electrical equipment		1														1	other electrical equipmer
020101 general coal mining			1													1	general coal mining
020209 other quarrying										1						1	other quarrying
020302 petroleum mining				ĺ							1					1	petroleum mining

040103	airline service				1											1	airline service
040202	bus service						1									1	bus service
040303	cargo/ light automobile					1										1	cargo/ light automobile
0 10303	transportation service																transportation service
050201	general harbor transportation service								1							1	general harbor transportation service
080401	warehousing									1						1	warehousing
110101	telecommunication service														1	1	telecommunication service
120101	auto mobile practical training						1									1	auto mobile practical training
130109	other medical treatment							1								1	other medical treatment
130103	service																service
160101	public office													1		1	public office
170202	information processing												1			1	information processing
	service																service
010102	fishery products																fishery products
010106	soft drinks																soft drinks
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
010402	plywood																plywood
010501	wood furniture																wood furniture
010502	metal furniture																metal furniture
010503	fittings																fittings

010509	other furniture											other furniture
	pulp/paper											pulp/paper
				1								
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
010700	other printing and											other printing and
010709	bookbinding											bookbinding
010802	chemical fiber											chemical fiber
010803	pharmaceuticals											pharmaceuticals
010806	rubber products											rubber products
010807	leather products											leather products
010808	painting products											painting products
010809	chemical fertilizer products											chemical fertilizer products
010903	pottery products											pottery products
011002	casting products											casting products
011103	nonferrous metals casting											nonferrous metals casting
011102	products											products
011201	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
	other precision machine											other precision machine

011305	products										products
011403	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
020109	other coal mining										other coal mining
020301	metal mining										metal mining
040201	taxi service										taxi service
040209	other passenger transport service										other passenger transport service
050209	other harbor transportation service										other harbor transportation service
070201	fishery										fishery
070209	other fishery										other fishery
080102	furniture/fittings wholesale										furniture/fittings wholesale
080203	furniture/fittings retail										furniture/fittings 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																						stock/commodity trade
	business																						business
090103	insurance business																						insurance business
090109	other financial business																						other financial business
090201	traveling service																						traveling service
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
120102	software service																						software service
130102	general clinic																						general clinic
130301	bathhouse																						bathhouse
140209	other restaurants																						other restaurants
150104	cremation service																						cremation service
150105	livestock process service																						livestock process service
	total		460	388	421	364	330	337	313	292	327	331	322	297	212	227	180	198	168	173	195	5,535	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