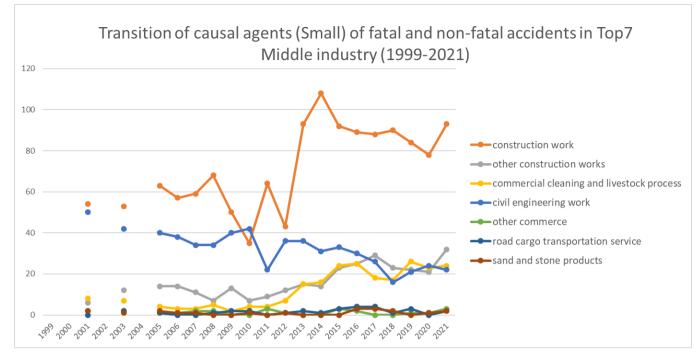
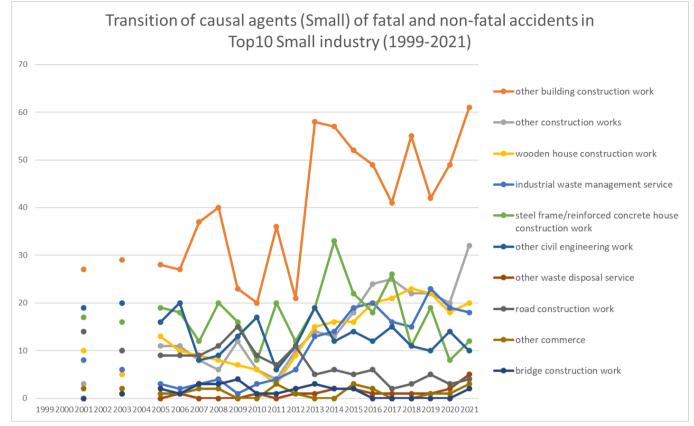


Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 145 demolition machine in Large industry (1999-2021)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 145 demolition machine in Middle Industry (1999-2021)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 145 demolition machine in Small Industry (1999-2021)

## Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 145 demolition 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			110		107		117	109	104	109	103	84	95	91	144	153	148	144	143	129	127	123	147	2,287	construction
15	commercial cleaning and livestock process			8		7		4	3	3	5	2	4	4	7	15	16	24	25	18	17	26	23	24	235	commercial cleaning and livestock process
01	manufacturing			6		1		5	9	7	3	2	5		3		5	4	12	8	8	5	7	7	97	manufacturing
08	commerce			4		5		2	2	4	2		1	4	2	4	3	7	8	2	1	4	6	4	65	commerce
04	transportation service					2		1			1	2	2		1	2	1	3	4	4	1	3		2	29	transportation service
17	others			2		3			1			1	1	1	1	1	3	1		2	2	1		1	21	others
06	agriculture															3	3	4		1		2	1	1	15	agriculture

02	mining		1	1	2	1	1		1	1			2	1			2	4	1	2		20	mining
14	hotel/restaurant/amusement service														1			1	2			4	hotel/restaurant/amusement service
13	health and hygiene service													1				1				2	health and hygiene service
05	cargo handling service																1					1	cargo handling service
12	education/research service								1													1	education/research service
07	livestock/fishery																						livestock/fishery
09	financial																						financial
	business/advertisement																						business/advertisement
10	movie/play service																						movie/play service
11	telecommunication service																						telecommunication service
16	public office																						public office
	total		131	126	131	125	119	120	112	98	104	105	171	186	192	193	181	164	171	162	186	2,777	7 total

## Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 145 demolition 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
0302	construction work			54		53		63	57	59	68	50	35	64	43	93	108	92	89	88	90	84	78	93	1,361	construction work
0303	other construction works			6		12		14	14	11	7	13	7	9	12	15	14	23	25	29	23	22	21	32	309	other construction works
1501	commercial cleaning and livestock process			8		7		4	3	3	5	2	4	4	7	15	16	24	25	18	17	26	23	24	235	commercial cleaning and livestock process
0301	civil engineering work			50		42		40	38	34	34	40	42	22	36	36	31	33	30	26	16	21	24	22	617	civil engineering work
0804	other commerce			2		2		1	1	2	2			3	1			3	2			1	1	3	24	other commerce
0403	road cargo transportation service					2		1			1	2	2		1	2	1	3	4	4	1	3		2	29	road cargo transportation service
0109	sand and stone products			2		1		2	1	1			1		1				3	3	2		1	2	20	sand and stone

																						products
0112	metal products			2	1	1		1	1		1		2	1	1	3	1		1	2	18	metal products
0801	wholesale		1		1	2				1		3	2	3	3	1	1	2	5	1	26	wholesale
1702	others	2	3		1			1	1	1	1	1	3	1		2	2	1		1	21	others
0117	other manufacturing	2			2	1		1	2					2	2		2	1	2	1	18	other manufacturing
0110	steel making				2		1						2		2	1	1	3	2	1	15	steel making
0111	nonferrous metal making					1							1		2		1			1	6	nonferrous metal making
0601	agriculture												2	1				1	1	1	6	agriculture
0202	quarrying	1	1	2	1			1	1			2	1			1	4	1	2		18	quarrying
0802	retail	2	2	1					1		1	1	1	1	3	1		1			15	retail
0602	forestry											3	1	3		1		1			9	forestry
0113	machine products	2			1	1									2			1			7	machine products
0104	wood products				1	1			1					1					1		5	wood products
1403	other amusement service													1			1	2			4	other amusement service
0108	chemical products					1										1					2	chemical products
0115	transport equipment products				1												1				2	transport equipment products
0116	electric/gas/water service						1				1										2	electric/gas/water service
0203	other mining					1										1					2	other mining
1302	social welfare facility												1				1				2	social welfare facility
0101	food products			1																	1	food products
0114	electrical equipment products						1														1	electrical equipment products
																						harbor transportation

0502	harbor transportation service											1	service
1201	education/research service				1							1	education/research service
0102	textile products												textile products
0103	fiber products												fiber products
0105	furniture												furniture
0106	pulp/paper processing products												pulp/paper processing products
0107	printing/bookbinding												printing/bookbinding
0201	coal mining												coal mining
0401	railroad/water transportation/airline service												railroad/water transportation/airline service
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
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
													telecommunication

1101	telecommunication service																						service
1301	medical treatment service																						medical treatment service
1303	other health and hygiene service																						other health and hygiene service
1401	hotel																						hotel
1402	restaurant																						restaurant
1601	public office																						public office
1701	dispatch service																						dispatch service
	total		131	126	131	125	119	120	112	98	104	105	171	186	192	193	181	164	171	162	186	2,777	total

## Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 145 demolition 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
030209	other building construction work			27		29	28	27	37	40	23	20	36	21	58	57	52	49	41	55	42	49	61	752	other building construction work
030309	other construction works			3		10	11	11	8	6	12	6	4	10	14	13	18	24	25	22	22	20	32	271	other construction works
030202	wooden house construction work			10		5	13	10	9	8	7	6	3	9	15	16	16	20	21	23	22	18	20	251	wooden house construction work
150102	industrial waste management service			8		6	3	2	3	4	1	3	4	6	13	14	19	20	16	15	23	19	18	197	industrial waste management service
030201	steel frame/reinforced concrete house construction work			17		16	19	18	12	20	16	8	20	12	19	33	22	18	26	11	19	8	12		steel frame/reinforced concrete house construction work
030199	other civil engineering work			19		20	16	20	8	9	13	17	6	11	19	12	14	12	15	11	10	14	10	256	other civil engineering work
150103	other waste disposal service					1		1				1		1	1	2	2	1	1	1	1	2	5	20	other waste disposal service
030106	road construction work			14		10	9	9	9	11	15	9	7	11	5	6	5	6	2	3	5	3	4	143	road construction work

080409	other commerce		2	2	1	1	2	2			3	1			3	2			1	1	3	24	other commerce
030105	bridge construction work			1	2	1	3	3	4	1	1	2	3	2	2						2	27	bridge construction work
030107	river civil engineering work		3	1	6		1					2	1	2	3	1	3		2		2	27	river civil engineering work
040301	general truck transportation service			2	1				2	2		1	1	1	3	3	3	1	3		2	25	general truck transportation service
011209	other metal products				2	1	1		1	1				2	1	1	3	1		1	2	17	other metal products
010901	cement products				2							1				1	3	1		1	2	11	cement products
030110	water supply/sewage construction work		6	5	2	2	6	5	5	8	2	6	4	4	5	1	1	1		2	1	66	water supply/sewage construction work
030109	land consolidation civil engineering work		3	2	2	4	3	2	1	2	5	2	2	4	3	4	2		2	3	1	47	land consolidation civil engineering work
080109	other wholesale			1		1	2				1		3	2	3	3	1	1	2	5	1	26	other wholesale
030102	tunnel construction work		3	2	1		2	1		3			1		1	1	1	1	2		1	20	tunnel construction work
170209	others		2	2		1			1	1		1	1	1	1		2	2	1		1	17	others
150109	other cleaning and livestock process service				1			1	1						3	3	1	1	1	2	1	15	other cleaning and livestock process service
011009	other steel products							1						2		2	1	1	2	2	1	12	other steel products
030104	railway construction work		2		1	2				1		1	1			1	1			1	1	12	railway construction work
011709	other manufacturing		1							1					2			1		1	1	7	other manufacturing
060101	agriculture													2	1				1	1	1	6	agriculture
011109	other nonferrous metal products						1									1		1			1	4	other nonferrous metal products
030203	building facility construction work			3	3	2	1		4	1	5	1	1	2	2	2		1	1	3		32	building facility construction work
030301	electricity/telecommunication work		2	1	2	1	2	1		1	5	1			2	1	2					21	electricity/telecommunication work
030302	machinery/apparatus setting		1	1	1	2	1		1			1	1	1	3		2	1		1		17	machinery/apparatus setting

	work																					work
020201	quarrying		1		2	1			1				1				1	2	1	1	11	quarrying
011702	machine repair		1			1	1		1	1						2		1		1	9	machine repair
030108	sand collapse prevention civil engineering work			1			1	3		1							1			1	8	sand collapse prevention civil engineering work
080209	other retails		1							1				1	1	3			1		8	other retails
010909	other sand and stone products		2	1		1	1									1		1			7	other sand and stone products
030111	port/seaside construction work						1		1		1	1				3					7	port/seaside construction work
011301	machine products		2			1	1									2					6	machine products
060201	lumbering												2	1	1		1				5	lumbering
080204	fuel retail		1	2	1												1				5	fuel retail
020209	other quarrying			1										1				1		1	4	other quarrying
060209	other forestry												1		2				1		4	other forestry
140301	golf course														1			1	2		4	golf course
010401	lumbering					1	1													1	3	lumbering
020202	gravel digging									1			1					1			3	gravel digging
030101	hydroelectric plant construction work				1									1		1					3	hydroelectric plant construction work
040302	specific truck transportation service												1			1	1				3	specific truck transportation service
150101	building maintenance service												1			1			1		3	building maintenance service
170201	security service										1			2							3	security service
010409	other lumber and wood products									1					1						2	other lumber and wood products
011001	steel/iron/rolling products					1													1		2	steel/iron/rolling products

011101	nonferrous metals/rolling products											1	1					2	nonferrous metals/rolling products
011701	auto mobile servicing				1											1		2	auto mobile servicing
020309	other mining					1								1				2	other mining
130201	social welfare facility											1			1			2	social welfare facility
010109	other foods			1														1	other foods
010802	chemical fiber													1				1	chemical fiber
010804	petroleum/coal products					1												1	petroleum/coal products
010903	pottery products												1					1	pottery products
010905	other ceramic products								1									1	other ceramic products
011002	casting products				1													1	casting products
011203	metal press products									1								1	metal press products
011305	other precision machine products															1		1	other precision machine products
011409	other electrical equipment						1											1	other electrical equipment
011502	auto mobile products														1			1	auto mobile products
011509	other transport equipment products				1													1	other transport equipment products
011602	city gas service						1											1	city gas service
011603	city water service									1								1	city water service
030103	subway construction work							1										1	subway construction work
040309	other land cargo transportation service						1											1	other land cargo transportation service
050202	port cargo handling service													1				1	port cargo handling service
080201	all kinds of retail									1								1	all kinds of retail
080202	auto mobile retail										1							1	auto mobile retail
	other education/research																		other education/research

120109	service					1							1	service
170202	information processing service		1				1						1	information processing 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
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
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

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
010803	pharmaceuticals										pharmaceuticals
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
010904	fire resisting products										fire resisting products
011102	nonferrous metals casting products										nonferrous metals casting 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
011401	heavy electrical equipment										heavy electrical equipment
011402	electrical appliance										electrical appliance
	electronics equipment and telecommunications										electronics equipment and telecommunications

	apparatus												apparatus
011501	ship building												ship building
011503	railway vehicle products												railway vehicle products
011601	electric utility service												electric utility 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
020301	metal mining												metal mining
020302	petroleum mining												petroleum mining
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
040303	cargo/ light automobile transportation service												cargo/ light automobile 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
050209	other harbor transportation service												other harbor transportation service

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
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									auto mobile practical training
120102	software service									software service
130101	hospital									hospital
130102	general clinic									general clinic

130109	other medical treatment service																						other medical treatment service
130301	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
140302	park and amusement park																						park and amusement park
140309	other amusement service																						other amusement service
150104	cremation service																						cremation service
150105	livestock process service																						livestock process service
160101	public office																						public office
170101	dispatch service																						dispatch service
	total		131	126	131	125	119	120	112	98	104	105	171	186	192	193	181	164	171	162	186	2,777	' 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