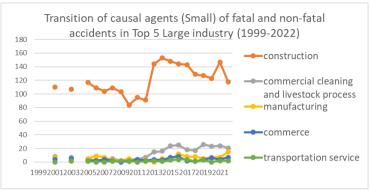
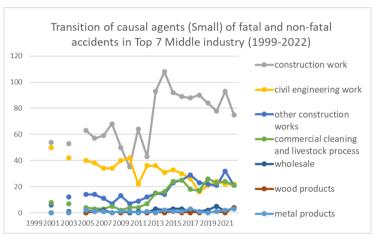
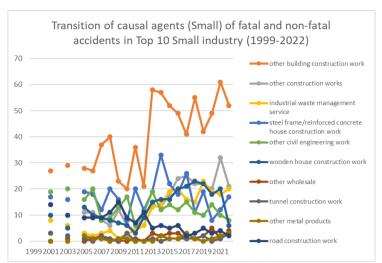
Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 145 demolition machine (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 145 demolition machine in Large industry (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 145 demolition machine in Middle Industry (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 145 demolition machine in Small Industry (1999-2022)

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 145 demolition 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			110		107		117	109	104	109	103	84	95	91	144	153	148	144	143	129	127	123	147	118	2,405	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	21	256	commercial cleaning and livestock process
01	manufacturing			6		1		5	9	7	3	2	5		3		5	4	12	8	8	5	7	7	15	112	manufacturing
08	commerce			4		5		2	2	4	2		1	4	2	4	3	7	8	2	1	4	6	4	7	72	commerce
04	transportation service					2		1			1	2	2		1	2	1	3	4	4	1	3		2	2	31	transportation service
14	hotel/restaurant/amusement service																	1			1	2			2	6	hotel/restaurant/amusement service
17	others			2		3			1			1	1	1	1	1	3	1		2	2	1		1	1	22	others
06	agriculture															3	3	4		1		2	1	1	1	16	agriculture
05	cargo handling service																			1					1	2	cargo handling service
02	mining			1		1		2	1	1		1	1			2	1			2	4	1	2			20	mining
13	health and hygiene service																1				1					2	health and hygiene service
12	education/research service											1														1	education/research 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			131		126		131	125	119	120	112	98	104	105	171	186	192	193	181	164	171	162	186	168	2,945	total

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 145 demolition machine in Middle industry (1999-2022)

code Mi	iddle industry	1999	2000 2	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total	Middle industry
0302 cor	onstruction work		5	54	5	53		63	57	59	68	50	35	64	43	93	108	92	89	88	90	84	78	93	75	1,436	construction work

0301 civil engineering work	5	50	42	40	38	34	34	40	42	22	36	36	31	33	30	26	16	21	24	22	22	639	civil engineering work
0303 other construction works	6	5	12	14	14	11	7	13	7	9	12	15	14	23	25	29	23	22	21	32	21	330	other construction works
commercial cleaning and livestock process	8	3	7	4	3	3	5	2	4	4	7	15	16	24	25	18	17	26	23	24	21	256	commercial cleaning and livestock process
0801 wholesale			1		1	2				1		3	2	3	3	1	1	2	5	1	4	30	wholesale
0104 wood products					1	1			1					1					1		4	9	wood products
0112 metal products				2	1	1		1	1		1		2	1	1	3	1		1	2	3	21	metal products
0403 road cargo transportation service			2	1			1	2	2		1	2	1	3	4	4	1	3		2	2	31	road cargo transportation service
0804 other commerce	2	2	2	1	1	2	2			3	1		i	3	2			1	1	3	2	26	other commerce
0117 other manufacturing	2	2			2	1		1	2				İ	2	2		2	1	2	1	2	20	other manufacturing
0110 steel making					2		1						2		2	1	1	3	2	1	2	17	steel making
1702 others	2	2	3		1			1	1	1	1	1	3	1		2	2	1		1	1	22	others
0109 sand and stone products	2	2	1	2	1	1			1		1				3	3	2		1	2	1	21	sand and stone products
0802 retail	2	2	2	1			İ		1		1	1	1	1	3	1		1		i —	1	16	retail
0602 forestry												3	1	3		1		1		i —	1	10	forestry
0113 machine products	2	2			1	1									2			1			1	8	machine products
1403 other amusement service														1			1	2			1	5	other amusement service
0108 chemical products						1										1					1	3	chemical products
0116 electric/gas/water service							1				1										1	3	electric/gas/water service
0502 harbor transportation service																1					1	2	harbor transportation service
1402 restaurant																					1	1	restaurant
0202 quarrying	1		1	2	1			1	1			2	1			1	4	1	2			18	quarrying
0111 nonferrous metal making						1							1		2		1			1		6	nonferrous metal making
0601 agriculture													2	1				1	1	1		6	agriculture
0115 transport equipment products					1												1					2	transport equipment products
0203 other mining						1										1						2	other mining
1302 social welfare facility						Ī							1				1					2	social welfare facility
0101 food products				1																		1	food products
0114 electrical equipment products							1															1	electrical equipment products
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
1101	telecommunication service																								telecommunication service
1301	medical treatment service																								medical treatment service
1303	other health and hygiene service																								other health and hygiene service
1401	hotel																								hotel
1601	public office																								public office
1701	dispatch service																								dispatch service
	total		131	1	126	131	125	119	120	112	98	104	105	171	186	192	193	181	164	171	162	186	168	2,945	total

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 145 demolition machine in Small industry (1999-2022)

code		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
030209	other building construction work			27		29		28	27	37	40	23	20	36	21	58	57	52	49	41	55	42	49	61	52	804	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	21	292	other construction works
150102	industrial waste management service			8		6		3	2	3	4	1	3	4	6	13	14	19	20	16	15	23	19	18	20	217	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	17	343	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	8	264	other civil engineering work
030202	wooden house construction work			10		5		13	10	9	8	7	6	3	9	15	16	16	20	21	23	22	18	20	6	257	wooden house construction work
080109	other wholesale					1			1	2				1		3	2	3	3	1	1	2	5	1	4	30	other wholesale
030102	tunnel construction work			3		2		1		2	1		3			1		1	1	1	1	2		1	3	23	tunnel construction work
											1	1	1	1											1	1	

011209 other metal products			2	1	1		$\ 1$	1				2	1	1	3	1		1	2	3	20	other metal products
030106 road construction work	14	10	9	9	9	11	15	9	7	11	5	6	5	6	2	3	5	3	4	2	145	road construction work
030105 bridge construction work		1	2	1	3	3	4	1	1	2	3	2	2	Ï	İ			Ï	2	2	29	bridge construction work
030107 river civil engineering work	3	1	6		1				i	2	1	2	3	1	3		2		2	2	29	river civil engineering work
040301 general truck transportation service		2	1				2	2		1	1	1	3	3	3	1	3		2	2	27	general truck transportation service
080409 other commerce	2	2	1	1	2	2			3	1			3	2			1	1	3	2	26	other commerce
011009 other steel products						1						2		2	1	1	2	2	1	2	14	other steel products
010401 lumbering				1	1							i —		İ				1		2	5	lumbering
030101 hydroelectric plant construction work			1									1		1						2	5	hydroelectric plant construction work
010409 other lumber and wood products								1					1							2	4	other lumber and wood products
030109 land consolidation civil engineering work	3	2	2	4	3	2	1	2	5	2	2	4	3	4	2		2	3	1	1	48	land consolidation civil engineering work
150103 other waste disposal service		1		1				1		1	1	2	2	1	1	1	1	2	5	1	21	other waste disposal service
170209 others	2	2		1			1	1		1	1	1	1		2	2	1		1	1	18	others
030104 railway construction work	2		1	2				1		1	1			1	1			1	1	1	13	railway construction work
010901 cement products			2							1				1	3	1		1	2	1	12	cement products
030108 sand collapse prevention civil engineering work		1			1	3		1							1			1		1	9	sand collapse prevention civil engineering work
080209 other retails	1							1				1	1	3			1			1	9	other retails
011709 other manufacturing	1							1					2			1		1	1	1	8	other manufacturing
011301 machine products	2			1	1									2						1	7	machine products
060201 lumbering											2	1	1		1					1	6	lumbering
140301 golf course													1			1	2			1	5	golf course
011701 auto mobile servicing				1													1			1	3	auto mobile servicing
050202 port cargo handling service															1					1	2	port cargo handling service
010805 plastics products																				1	1	plastics products
011601 electric utility service																				1	1	electric utility service
140201 general restaurant																				1	1	general restaurant
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
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 work	1	1	1	2	1		1			1	1	1	3		2	1		1			17	machinery/apparatus setting work
other cleaning and livestock process service			1			1	1						3	3	1	1	1	2	1		15	other cleaning and livestock process service
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
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
060101 agriculture													2	1				1	1	1	6	agriculture
080204 fuel retail		1	2	1												1					5	fuel retail
011109 other nonferrous metal products						1									1		1			1	4	other nonferrous metal products
020209 other quarrying			1										1				1		1		4	other quarrying
060209 other forestry												1		2				1			4	other forestry
020202 gravel digging									1			1					1				3	gravel digging
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
011001 steel/iron/rolling products					1													1			2	steel/iron/rolling products
011101 nonferrous metals/rolling products													1		1						2	nonferrous metals/rolling products
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
080201 all kinds of retail											1										1	all kinds of retail
080202 auto mobile retail												1									1	auto mobile retail
other education/research service								1													1	other education/research service
170202 information processing service			1																		1	information processing service
010101 meat/dairy products																						meat/dairy products
010102 fishery products																						fishery products
						1																

010103 agricultural food products																	a	gricultural food products
010104 bread/cake products							\Box			i							b	pread/cake products
010105 alcoholic drinks	imi						$\overline{}$									Ti	a	lcoholic drinks
010106 soft drinks																	s	oft drinks
010201 silk-reeling	i													j		Ti	s	ilk-reeling
010202 cotton-spinning	imi						\Box			Ti-				j		Ti	c	cotton-spinning
010203 weaving										i						Tİ	v	veaving
010204 dyeing																	d	lyeing
010209 other textile products	imi						\Box										0	other textile products
010301 over/under wear	imi						$\overline{\Box}$			ĺ							0	over/under wear
010309 other fiber products																	o	other fiber products
010402 plywood	i																p	olywood
010501 wood furniture																	v	vood furniture
010502 metal furniture																	n	netal furniture
010503 fittings																	f	ittings
010509 other furniture	i																o	other furniture
010601 pulp/paper																	p	oulp/paper
010602 paper processing products																	p	paper processing products
010609 other pulp/paper processing products																		other pulp/paper processing products
010701 printing service	imi						一									Ti	p	printing service
010702 bookbinding	i i						П									Ti		ookbinding
010709 other printing and bookbinding																	o	other printing and
010801 non organic or organic chemical products																	n	on organic or organic
010803 pharmaceuticals	i			П			П				$\overline{}$					T		pharmaceuticals
010806 rubber products	i						П											ubber products
010807 leather products	i						П											eather products
010808 painting products	imi						一									Ti		painting products
010809 chemical fertilizer products	imi						\Box									Ti		chemical fertilizer products
010899 other chemical products	i						$\overline{}$									Ti	o	other chemical products
010902 glass products	i																g	glass products
010904 fire resisting products	i			$\overline{\Box}$			一	$\overline{\Box}$			\equiv		\equiv		T	T		ire resisting products
011102 nonferrous metals casting products																	n	nonferrous metals casting products
011201 western tableware/cutting tool products																	V	western tableware/cutting ool products
011202 screw products	i						\Box									T	s	crew products
011204 metal plating products	i						\Box			i	\equiv				T	T		netal plating products
011302 measuring instruments	i						\Box				$\overline{}$				i	T		neasuring instruments
011303 optical instruments							$\overline{\Box}$				\equiv		\equiv			T		optical instruments
011304 watch products				$\overline{}$			\Box				$\overline{}$		\equiv			T		vatch products
							\Box			Ti-						Ti		

District appliance	011401 heavy electrical equipment																heavy ϵ	electrical equipment
10.1430 speciments	011402 electrical appliance																electric	al appliance
19.1516 pathway whicks produces	011403 telecommunications																telecom	nmunications
olte of other electric/gas/water service 011702 cleaning 011703 cleaning 011704 cleaning 011705 cleaning 011705 cleaning 011705 cleaning 011706 coboseco products 011707 coboseco products 011707	011501 ship building																ship bu	ilding
10.1101 10.1	011503 railway vehicle products																railway	vehicle products
10.1701 tobacco products	011609 other electric/gas/water service																	
Description Description	011703 cleaning																cleanin	g
Description Description	011704 tobacco products																tobacco	products
Description Description	020101 general coal mining																general	coal mining
Description Description	020109 other coal mining																other co	oal mining
040101 Rulroad service	020301 metal mining																metal n	nining
040102 water transportation service	020302 petroleum mining																petrolei	ım mining
040103 airline service	040101 railroad service																railroad	service
040201 axi service	040102 water transportation service																water tr	ransportation service
040202 bus service 040203 other passenger transport 040204 other passenger transport 040205 other passenger transport 040303 cargo/ light automobile 040409 other transportation service 040409 other transportation service 050101 land cargo handling service 050203 other passenger transport 050204 other transportation service 050205 other passenger transport 050206 other passenger transport 050207 other passenger transport 050208 other transportation service 050209 other harbor transport 050209 other harbor transport 050209 other harbor transport 050209 other harbor transport 050209 other harbor transport 050209 other harbor transport 050209 other harbor transport 050209 other harbor transport 050209 other harbor transport 050209 other harbor transport 050209 other harbor transport 050209 other harbor transport 050209 other fishery 070209 o	040103 airline service																airline s	service
Other passenger transport service Other passenger transport service Other passenger transportation service Other passenger transportation service Other passenger transportation service Other passenger transportation service Other passenger transportation service Other passenger transportation service Other transportation service Other transportation service Other passenger observice Other passenger observice Other passenger transportation service Other passenger observice 040201 taxi service																taxi ser	vice	
Service																	bus ser	vice
040409 other transportation service	040209 other passenger transport service																	
1 1 1 2 2 2 2 2 2 2	040303 cargo/ light automobile transportation service																cargo/ l transpo	ight automobile rtation service
	040409 other transportation service																other tr	ansportation service
Service																	land ca	rgo handling service
	general harbor transportation service																	
070201 fishery	050209 other harbor transportation service																	
Description Description	070101 livestock																livestoc	k
B80101 all kinds of wholesale	070201 fishery																fishery	
080102	070209 other fishery																other fi	shery
080203	080101 all kinds of wholesale																all kind	s of wholesale
080205 newspaper retail																	furnitur	e/fittings wholesale
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	080203 furniture/fittings retail																furnitur	re/fittings 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																	newspa	per retail
080401 warehousing	080301 haircut																haircut	
080401 warehousing	080302 beauty salon	Mi		M		П	\Box		П			il i	\Box				beauty	salon
O90101 banking/trust business	080401 warehousing	Ti				\Box	\Box		П				\Box					
090102 stock/commodity trade business stock/commodity trade business stock/commodity trade business	090101 banking/trust business					\Box			П									
																	stock/co	ommodity trade
090103 insurance business insurance business insurance business	090103 insurance business																insuran	ce 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
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	168	2,945	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