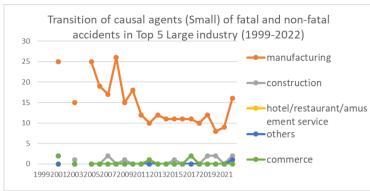
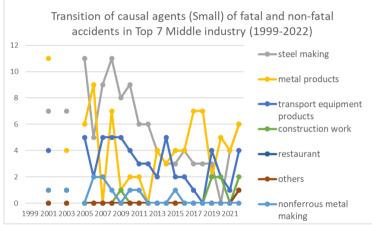
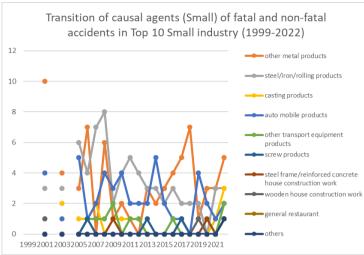
## Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 155 forging pressure hammer (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 155 forging pressure hammer in Large industry (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 155 forging pressure hammer in Middle Industry (1999-2022)



## Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 155 forging pressure hammer in Small Industry (1999-2022)

																		2010	2017	2010	2010	2020	2021	2022	4-4-1	Large industry
		1999		2002	2003	2004			2007													2020	2021	2022		
01	manufacturing		25		15		25	19	17	26	15	18	12	10	12	11	11	11	11	10	12	8	9	16	293	manufacturing
03	construction		2		1				2		1						1				2	2		2	13	construction
14	hotel/restaurant/amusement service																							1	1	hotel/restaurant/amusement service
17	others																							1	1	others
08	commerce		2											1					2						5	commerce
15	commercial cleaning and livestock process							1										1				1			3	commercial cleaning and livestock process
04	transportation service				1														1						2	transportation service
12	education/research service		1											1											2	education/research service
02	mining							1																	1	mining
13	health and hygiene service																				1				1	health and hygiene service
05	cargo handling service																									cargo handling service
06	agriculture																									agriculture
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		30		17		25	21	19	26	16	18	12	12	12	11	12	12	14	10	15	11	9	20	322	total

## Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 155 forging pressure hammer in Large industry (1999-2022)

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 155 forging pressure hammer in Middle industry (1999-2022)

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	2022	total	Middle industry	

0110 steel making		7	7		5	9	11	8	9		6	4	3		4		3	3		4			steel making
0112 metal products		11	4	6	9		7	1	2	2		4	3	4	4	7	7	2	5	4	6	88	metal products
0115 transport equipment products		4	1	5	2	5	5	5	4	3	3	2	5	2	2	1		4	2	1	4	60	transport equipment products
0302 construction work		1	1					1										2	2		2	9	construction work
1402 restaurant																					1	1	restaurant
1702 others																					1	1	others
0111 nonferrous metal making		1	1		2	2	1		1	1				1								10	nonferrous metal making
0113 machine products									2		1			1				1				5	machine products
0114 electrical equipment products		1		2	1														1			5	electrical equipment products
0117 other manufacturing			1				1	1										1				4	other manufacturing
0801 wholesale		2									1					1						4	wholesale
0101 food products												1			1			1				3	food products
0301 civil engineering work						2								1								3	civil engineering wor
1501 commercial cleaning and livestock process					1										1				1			3	commercial cleaning and livestock process
0108 chemical products				1		1																2	chemical products
1201 education/research service		1									1											2	education/research service
0102 textile products						1			1			1										1	textile products
0104 wood products	1		1			1		1	1						1							1	wood products
0106 pulp/paper processing products		1																				1	pulp/paper processing products
0109 sand and stone products							1															1	sand and stone products
0202 quarrying					1																	1	quarrying
0303 other construction works		1																				1	other construction works
0402 road passenger transport service																1						1	road passenger transport service
0403 road cargo transportation service			1																			1	road cargo transportation service
0802 retail																1						1	retail
1302 social welfare facility																		1				1	social welfare facility
0103 fiber products																							fiber products
0105 furniture																							furniture
0107 printing/bookbinding																							printing/bookbinding
0116 electric/gas/water service																							electric/gas/water service
0201 coal mining																							coal mining
0203 other mining																							other mining
0401 railroad/water transportation/airline																							railroad/water transportation/airline

service																							service
0404 other transportation service																							other transportation service
0501 land cargo handling service																							land cargo handling service
0502 harbor transportation service																							harbor transportation service
0601 agriculture																							agriculture
0602 forestry																							forestry
0701 livestock																							livestock
0702 fishery																							fishery
0803 haircut/beauty salon																							haircut/beauty salon
0804 other commerce																							other commerce
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
1403 other amusement service																							other amusement service
1601 public office																							public office
1701 dispatch service																							dispatch service
total		30	17	25	21	19	26	16	18	12	12	12	11	12	12	14	10	15	11	9	20	322	total

## Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 155 forging pressure hammer 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
011209	other metal products			10		4		3	7		6	1	2	1		3	2	3	4	5	7	1	3	3	5	70	other metal products
011001	steel/iron/rolling products			3		3		6	4	7	8	2	4	5	4	3	3	2	3	2	2	2		3	3	69	steel/iron/rolling products
011002	casting products			1		2		1	1	2		1	1	1	1					1				1	3	16	casting products
	auto mobile products			4		1		5	1	2	4	3	4	2	2	2	5	2	1	1		4	2	1	2	48	auto mobile products
011509	other transport equipment products								1	1	1	2		1	1				1						2	10	other transport equipment products
011202	screw products								1							1				1					1	4	screw products
	steel frame/reinforced concrete house construction work											1											1		1		steel frame/reinforced concrete house construction work
030202	work work			1																		1			1	3	wooden house construction work

140201	general restaurant																					1	1	general restaurant
170209	others																					1	1	others
011009	other steel products		3	2	4			3	5	4		1	1		1	1		1	1				27	other steel products
011203	metal press products		1		1	1		1			1			1	1		1			2	1		10	metal press products
011102	nonferrous metals casting products		1	1		1	1	1			1				1								7	nonferrous metals casting products
011301	machine products									2		1			1				1				5	machine products
011201	western tableware/cutting tool products				2	1													1				4	western tableware/cutting tool products
080109	other wholesale		1									1					1						3	other wholesale
010102	fishery products												1			1							2	fishery products
011109	other nonferrous metal products					1				1													2	other nonferrous metal products
011409	other electrical equipment					1														1			2	other electrical equipment
011701	auto mobile servicing			1				1															2	auto mobile servicing
011702	machine repair								1										1				2	machine repair
030209	other building construction work			1															1				2	other building construction work
120109	service		1									1											2	other education/research service
150109	other cleaning and livestock process service					1														1			2	other cleaning and livestock process service
010101	meat/dairy products																		1				1	meat/dairy products
010209	other textile products												1										1	other textile products
010402	plywood			1																			1	plywood
010602	paper processing products		1																				1	paper processing products
010801	non organic or organic chemical products						1																1	non organic or organic chemical products
	rubber products				1																		1	rubber products
010909	other sand and stone products							1															1	other sand and stone products
011101	nonferrous metals/rolling products						1																1	nonferrous metals/rolling products
	heavy electrical equipment				1																		1	heavy electrical equipment
011402	electrical appliance		1																				1	electrical appliance
011403	electronics equipment and telecommunications apparatus				1																		1	electronics equipment and telecommunications apparatus
011501	ship building						1																1	ship building
011503	railway vehicle products						1																1	railway vehicle products
020201	quarrying					1																	1	quarrying
	hydroelectric plant construction work						1																1	hydroelectric plant construction work
	road construction work														1								1	road construction work
030199	other civil engineering work						1																1	other civil engineering work

11	building facility construction work																1		1	building facility construction work
030302	machinery/apparatus setting work		1																1	machinery/apparatus setting work
04020	taxi service														1				1	taxi service
04030	general truck transportation service			1															1	general truck transportation service
08010	all kinds of wholesale		1																1	all kinds of wholesale
080209	other retails														1				1	other retails
13020	social welfare facility															1			1	social welfare facility
150103	other waste disposal service													1					1	other waste disposal service
010103	agricultural food products																			agricultural food products
010104	bread/cake products																			bread/cake products
010105	alcoholic drinks																			alcoholic drinks
01010	5 soft drinks																			soft drinks
010109	other foods																			other foods
01020	silk-reeling																			silk-reeling
010202	2 cotton-spinning																			cotton-spinning
010203	3 weaving																			weaving
010204	4 dyeing						ĺ												í	dyeing
01030	over/under wear						j	i	ĺ		ĺ								i	over/under wear
010309	other fiber products																		í	other fiber products
01040	lumbering						ĺ		ĺ		ĺ								i	lumbering
010409	other lumber and wood products																			other lumber and wood products
01050	wood furniture																			wood furniture
010502	2 metal furniture																			metal furniture
010503	3 fittings																			fittings
010509	other furniture																		Í	other furniture
01060	pulp/paper					Ī		i			ĺ								i	pulp/paper
010609	other pulp/paper processing products																			other pulp/paper processing products
01070	printing service																			printing service
010702	2 bookbinding						j		ĺ		ĺ								i	bookbinding
010709	other printing and bookbinding																			other printing and bookbinding
	2 chemical fiber						j	j		j	i									chemical fiber
010803	3 pharmaceuticals						ij	j												pharmaceuticals
	petroleum/coal products						ij	i												petroleum/coal products
01080	5 plastics products						j	j												plastics products
	7 leather products						ij	j												leather products
	B painting products						—Ì	i												painting products
	chemical fertilizer products							i												chemical fertilizer products
		$\square$	i		i		i	i											í	

010899 other chemical products												other chemical products
010901 cement products												cement products
010902 glass products										j		glass products
010903 pottery products												pottery products
010904 fire resisting products												fire resisting products
010905 other ceramic products												other ceramic 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
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
011709 other manufacturing												other manufacturing
020101 general coal mining												general coal mining
020109 other coal mining												other coal mining
020202 gravel digging												gravel digging
020209 other quarrying												other quarrying
020301 metal mining												metal mining
020302 petroleum mining												petroleum mining
020309 other mining												other mining
030102 tunnel construction work												tunnel construction work
030103 subway construction work												subway construction work
030104 railway construction work												railway construction work
030105 bridge construction work												bridge construction work
030107 river civil engineering work												river civil engineering work
030108 sand collapse prevention civil engineering work												sand collapse prevention civil engineering work
030109 land consolidation civil engineering work												land consolidation civil engineering work
030110 water supply/sewage construction work												water supply/sewage construction work
030111 port/seaside construction work												port/seaside construction work
030301 electricity/telecommunication work												electricity/telecommunication work
030309 other construction works												other construction works
040101 railroad service												railroad service

040102 water transportation service				- <u> </u>	i				i		 1	i		w	vater transportation service
040103 airline service															irline service
040202 bus service															ous service
040209 other passenger transport service														0	other passenger transport ervice
040302 specific truck transportation service														s	pecific truck transportation ervice
040303 cargo/ light automobile transportation service															argo/ light automobile ransportation service
040309 other land cargo transportation service															other land cargo ransportation service
040409 other transportation service															ther transportation service
050101 land cargo handling service															and cargo handling service
050201 general harbor transportation service														g	eneral harbor transportation ervice
050202 port cargo handling service														p	ort cargo handling service
050209 other harbor transportation service														0	other harbor transportation ervice
060101 agriculture														a	griculture
060201 lumbering														և	umbering
060209 other forestry														0	other forestry
070101 livestock														li	ivestock
070201 fishery														fi	ishery
070209 other fishery														0	ther fishery
080102 furniture/fittings wholesale														fi	urniture/fittings wholesale
080201 all kinds of retail														a	ll kinds of retail
080202 auto mobile retail														a	uto mobile retail
080203 furniture/fittings retail														fi	urniture/fittings retail
080204 fuel retail														fi	uel retail
080205 newspaper retail														n	ewspaper retail
080301 haircut														h	aircut
080302 beauty salon									ĺ					b	eauty salon
080401 warehousing									<u> </u>					W	varehousing
080409 other commerce															other commerce
090101 banking/trust business											1			b	anking/trust business
090102 stock/commodity trade business															tock/commodity trade
090103 insurance business				1							1			ii	nsurance business
090109 other financial business															other financial business
090201 traveling service				1								i — İ			raveling service
090209 other advertisement and mediator														0	other advertisement and nediator
100101 movie production and delivery service															novie production and lelivery 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
140301 golf course																							golf course
140302 park and amusement park																							park and amusement park
140309 other amusement service																							other amusement service
150101 building maintenance service																							building maintenance service
150102 industrial waste management service																							industrial waste management service
150104 cremation service																							cremation service
150105 livestock process service																							livestock process service
160101 public office																							public office
170101 dispatch service																							dispatch service
170201 security service																							security service
170202 information processing service																							information processing service
total		30	17	25	21	19	26	16	18	12	12	12	11	12	12	14	10	15	11	9	20	322	total

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

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