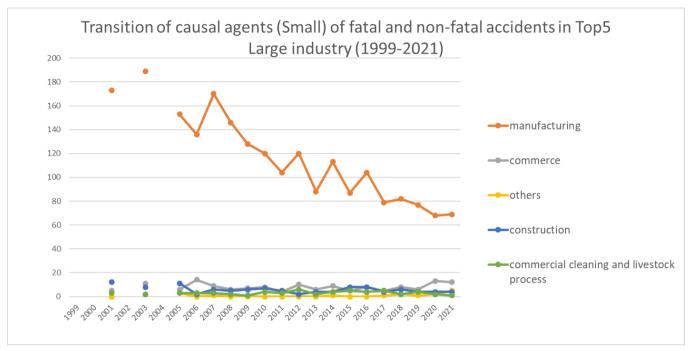
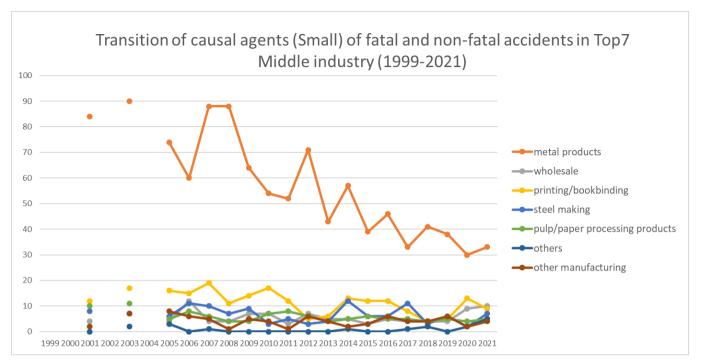
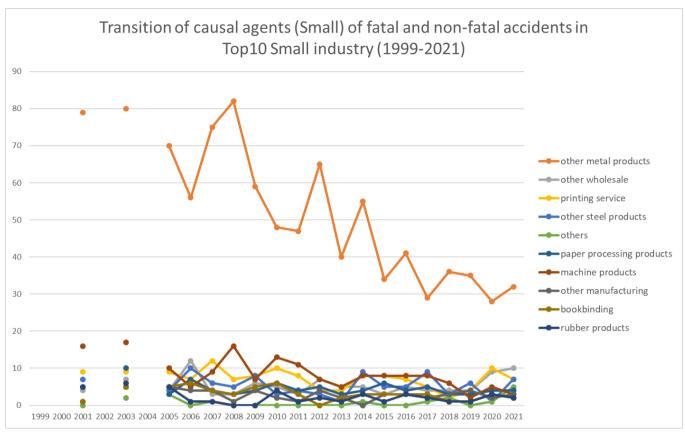
Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 156 shearing machine (1999-2021)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 156 shearing machine in Large industry (1999-2021)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 156 shearing machine in Middle Industry (1999-2021)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 156 shearing machine in Small Industry (1999-2021)

## Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 156 shearing 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
01	manufacturing			173		189		153	136	170	146	128	120	104	120	88	113	87	104	79	82	77	68	69	2,206	manufacturing
08	commerce			5		11		6	14	9	6	7	8	4	10	6	9	5	8	5	8	6	13	12	152	commerce
17	others					2		3		1							1			1	2	1	2	5	18	others
03	construction			12		8		11	2	6	5	6	7	5	2	4	4	8	8	4	6	4	4	4	110	construction
15	commercial cleaning and livestock process			3		2		3	3	3	2	1	4	3	6	2	4	5	4	5	2	4	2	1	59	commercial cleaning and livestock process
04	transportation service			1		1						1	1	2		1			1	1	1			1	11	transportation service
12	education/research service										1	1	1		1									1	5	education/research service

05	cargo handling service					1							1						1	2		5	cargo handling service
14	hotel/restaurant/amusement											1							1			2	hotel/restaurant/amusement
	service																						service
02	mining										1											1	mining
06	agriculture											1										1	agriculture
09	financial										1											1	financial
	business/advertisement																					'	business/advertisement
11	telecommunication service													1								1	telecommunication service
13	health and hygiene service																		1			1	health and hygiene service
07	livestock/fishery																						livestock/fishery
10	movie/play service																						movie/play service
16	public office																						public office
	total		194	213	176	156	189	160	144	141	120	141	102	132	105	125	95	101	95	91	93	2,573	total

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 156 shearing 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
0112	metal products			84		90		74	60	88	88	64	54	52	71	43	57	39	46	33	41	38	30	33	1,085	metal products
0801	wholesale			4		7		4	12	4	4	7	7	3	7	5	5	3	5	4	4	4	9	10	108	wholesale
0107	printing/bookbinding			12		17		16	15	19	11	14	17	12	5	6	13	12	12	8	4	5	13	9	220	printing/bookbinding
0110	steel making			8		7		6	11	10	7	9	3	5	3	4	12	6	6	11	3	6	2	7	126	steel making
0106	pulp/paper processing products			10		11		5	8	6	4	4	7	8	6	4	5	6	5	5	4	5	4	5	112	pulp/paper processing products
1702	others					2		3		1							1			1	2		2	5	17	others
0117	other manufacturing			2		7		8	6	5	1	5	4	1	6	4	2	3	6	4	4	6	2	4	80	other manufacturing
0113	machine products			21		20		11	8	11	18	8	14	11	7	7	9	9	8	8	6	2	5	3	186	machine products
0302	construction work			8		7		8	2	5	4	3	5	3	1	3	4	3	5	4	2	2	4	3	76	construction work

0108	chemical products	11	14	11	7	7	4	5	4	3	6	5	6	3	6	3	5	5	5	2	112	chemical products
	electrical equipment products	7	4					5	3	2	3	2	1	1		2	4	4	1		67	electrical equipment
0111	nonferrous metal making	2	2	3		3	3	3	5	4	2	1	1		4		2	3	2	2	42	nonferrous metal making
0802	retail	1	4	2	2	3	2		1	1	2	1	3	2	3	1	3	1	1	2	35	retail
1501	commercial cleaning and livestock process	3	2	3	3	3	2	1	4	3	6	2	4	5	4	5	2	4	2	1	59	commercial cleaning and livestock process
0303	other construction works	3	1	2		1	1	3	1		1			5	3		3	2		1	27	other construction works
0109	sand and stone products		2	3	2	1		1	1		1			1		1			1	1	15	sand and stone products
0102	textile products	3	2		1						3	1				1	1			1	13	textile products
0403	road cargo transportation service	1	1					1	1	2		1			1	1	1			1	11	road cargo transportation service
1201	education/research service						1	1	1		1									1	5	education/research
0115	transport equipment products	7	10	6	8	9	4	6	5	5	4	9	6	5	7	3	8	2	2		106	transport equipment products
0103	fiber products	3	2		2	2	1		2		1			2	1						16	fiber products
0104	wood products	1			2	1		1	1	1	1	1	1								10	wood products
0804	other commerce					2					1		1				1	1	3		9	other commerce
0101	food products	1		2	1	1		1										1	1		8	food products
0105	furniture	1	1		1	1		2			1	1									8	furniture
0301	civil engineering work	1		1					1	2		1					1				7	civil engineering work
0501	land cargo handling service				1							1						1	2		5	land cargo handling service

0203	other mining							1							1	other mining
0601	agriculture								1						1	agriculture
0902	advertisement and mediator							1							1	advertisement and mediator
1101	telecommunication service									1					∥1 ∣	telecommunication service
1302	social welfare facility												1		1	social welfare facility
1401	hotel												1		1	hotel
1402	restaurant								1						1	restaurant
1701	dispatch service												1		1	dispatch service
0116	electric/gas/water service															electric/gas/water service
0201	coal mining															coal mining
0202	quarrying															quarrying
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
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
1001	movie/play service																						movie/play service
1301	medical treatment service																						medical treatment
	medical dedition service																						service
1303	other health and hygiene service																						other health and
1303	other health and hygiene service																						hygiene service
1402	other amusement service																						other amusement
1403	other amusement service																						service
1601	public office																						public office
	total		194	213	176	156	189	160	144	141	120	141	102	132	105	125	95	101	95	91	93	2,573	total

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 156 shearing 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
011209	other metal products			79		80		70	56	75	82	59	48	47	65	40	55	34	41	29	36	35	28	32	991	other metal products
080109	other wholesale			4		7		4	12	3	3	6	5	3	7	5	5	3	5	4	4	4	9	10	103	other wholesale
010701	printing service			9		9		9	7	12	7	8	10	8	4	4	8	8	7	5	2	4	10	7	138	printing service
011009	other steel products			7		5		4	10	6	5	8	3	4	3	1	9	5	5	9	3	6	1	7	101	other steel products
170209	others					2		3		1							1			1	2		1	5	16	others
010602	paper processing products			5		10		3	7	4	3	4	6	4	5	3	4	6	4	5	3	3	4	4	87	paper processing products
011301	machine products			16		17		10	5	9	16	7	13	11	7	5	8	8	8	8	6	2	5	3	164	machine products
011709	other manufacturing			1		5		5	4	4	1	4	2	1	4	2		3	3	2	3	4	2	3	53	other manufacturing
010702	bookbinding			1		5		5	6	4	3	5	6	3		2	3	3	3	3	1	1	3	2	59	bookbinding
010806	rubber products			5		6		5	1	1			4	1	2	1	3	1	3	2	1	1	3	2	42	rubber products
080209	other retails			1		4		1	2	2	2		1	1	2	1	3	2	3	1	3		1	2	32	other retails
	other nonferrous metal			1		1		,			_	2			1				,		1	1	1		27	other nonferrous metal
011109	products					I		2		2	2	3	3	2	2				3		2	1		2	27	products
															1	7	1		1							

150102	industrial waste management service		2	1	3	2	1	2	1	2	2	6	1	3	4	2	4	2	3	2	1	44	industrial waste management service
011409	other electrical equipment		4	1	7	3	2	2	3	2	2	2			1	1		1	2		1	34	other electrical equipment
030201	steel frame/reinforced concrete house construction work		4	1	6	1	3	1		2	1		1		1	2	3	1	1	1	1	30	steel frame/reinforced concrete house construction work
030209	other building construction work		1	3	1	1		2	2	3	1	1	2	3	2	2			1	3	1	29	other building construction work
011701	auto mobile servicing		1	2	2	1			1			2	1	1		2	1		2		1	17	auto mobile servicing
030309	other construction works		3					1	1	1		1			4	2		1	2		1	17	other construction works
011403	electronics equipment and telecommunications apparatus			1		1	2	1	2	1		1	1	1		1	1				1	14	electronics equipment and telecommunications apparatus
010601	pulp/paper		3		1	1	1			1	2								1		1	11	pulp/paper
030203	building facility construction work		2	2	1		1				1			1			1	1			1	11	building facility construction work
040301	general truck transportation service		1	1					1	1	2		1			1	1	1			1	11	general truck transportation
010909	other sand and stone products				1							1					1			1	1	5	other sand and stone
120109	other education/research service							1		1		1									1	4	other education/research service
010204	dyeing		1									1									1	3	dyeing
011202	screw products												1								1	2	screw products
011203	metal press products		5	10	4	4	10	6	5	6	3	5	2	2	5	4	4	4	2	1		82	metal press products
011502	auto mobile products		5	7	3	6	6	2	3	3	3	4	8	2	3	6	3	5	1			70	auto mobile products
010805	plastics products		2	4	4	4	4	2	2		1	4	3	2		3		2	2	2		41	plastics products
	other printing and																						other printing and

010709	bookbinding		2	3	2	2	3	1	1	1	1	1		2	1	2		1			23	bookbinding
011001	steel/iron/rolling products	ŀ	1	2	2	1	2	2	1		1		3	3	1	1	2			1	23	steel/iron/rolling products
011305	other precision machine products		4	1	1	2	2	2	1	1			1	1	1						17	other precision machine products
011509	other transport equipment products		1	1	1		2		1	1	2		1	4	2						16	other transport equipment products
011501	ship building			1	2	1	1	2	1	1						1		2	1	2	15	ship building
010609	other pulp/paper processing products		2	1	1		1	1			2	1	1	1		1		1	1		14	other pulp/paper processing products
011401	heavy electrical equipment		1	1	1		2	1					1			1	1	3	1	1	14	heavy electrical equipment
011101	nonferrous metals/rolling products		1	1			1	1		2	1		1	1		1			2	1	13	nonferrous metals/rolling products
010309	other fiber products			2		2	2	1		1		1			2	1					12	other fiber products
010899	other chemical products		1	2	1		2				1			1	1		1	1	1		12	other chemical products
150103	other waste disposal service		1	1		1				2			1	1	1	1	1		1		11	other waste disposal service
010209	other textile products		2	2		1						2	1				1				9	other textile products
010409	other lumber and wood products					2	1		1	1	1	1	1	1							9	other lumber and wood products
011702	machine repair				1	1				2			1	1		1	1	1			9	machine repair
030302	machinery/apparatus setting work			1	2				2						1	1		2			9	machinery/apparatus setting work
010801	non organic or organic		2	1		1		1	1									1	1		8	non organic or organic chemical products
010807	leather products		1	1	1	1		1	1				1		1						8	leather products
080409	other commerce						1					1		1				1	1	3	8	other commerce
011204	metal plating products						2				1					1			1	1	6	metal plating products
030199	other civil engineering work				1					1	2		1					1			6	other civil engineering work

030202	wooden house construction work		1	1			1	1	1						1				6	wooden house construction work
010901	cement products			2	1	1	1												5	cement products
011302	measuring instruments		1	2		1							1						5	measuring instruments
011402	electrical appliance		2	1				1									1		5	electrical appliance
011503	railway vehicle products		1	1		1			1							1			5	railway vehicle products
050101	land cargo handling service					1							1				1	2	5	land cargo handling service
010104	bread/cake products		1			1	1		1										4	bread/cake products
010301	over/under wear		3							1									4	over/under wear
010902	glass products				1	1			1	1									4	glass products
011201	western tableware/cutting tool products						1				1	1				1			4	western tableware/cutting tool products
150109	other cleaning and livestock process service						2				1				1				4	other cleaning and livestock process service
010109	other foods				1												1	1	3	other foods
010502	metal furniture			1					1				1						3	metal furniture
010509	other furniture					1	1		1										3	other furniture
080101	all kinds of wholesale							1	1	1									3	all kinds of wholesale
010503	fittings		1									1							2	fittings
011002	casting products						2												2	casting products
011102	nonferrous metals casting products				1						1								2	nonferrous metals casting products
080102	furniture/fittings wholesale						1			1									2	furniture/fittings wholesale
080202	auto mobile retail				1												1		2	auto mobile retail
010102	fishery products				1														1	fishery products
010203	weaving															1			1	weaving
010401	lumbering		1																1	lumbering

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010809	chemical fertilizer products							1									1	chemical fertilizer products
010903	pottery products											1					1	pottery products
011703	cleaning						1										1	cleaning
020309	other mining								1								1	other mining
030106	road construction work		1														1	road construction work
030301	electricity/telecommunication work						1										1	electricity/telecommunication work
060101	agriculture									1							1	agriculture
080201	all kinds of retail						1										1	all kinds of retail
080401	warehousing						1										1	warehousing
090209	other advertisement and mediator								1								1	other advertisement and mediator
110101	telecommunication service										1						1	telecommunication service
120101	auto mobile practical training							1									1	auto mobile practical training
130201	social welfare facility														1		1	social welfare facility
140101	hotel														1		1	hotel
140201	general restaurant									1							1	general restaurant
170101	dispatch service														1		1	dispatch service
170202	information processing service															1	1	information processing service
010101	meat/dairy products																	meat/dairy products
010103	agricultural food products																	agricultural food products
010105	alcoholic drinks																	alcoholic drinks
010106	soft drinks																	soft drinks
010201	silk-reeling																	silk-reeling
010202	cotton-spinning																	cotton-spinning

010402	plywood											plywood
010501	wood furniture											wood furniture
010802	chemical fiber											chemical fiber
010803	pharmaceuticals											pharmaceuticals
010804	petroleum/coal products											petroleum/coal products
010808	painting products											painting products
010904	fire resisting products											fire resisting products
010905	other ceramic products											other ceramic products
011303	optical instruments											optical instruments
011304	watch products											watch 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											other electric/gas/water
	service											service
011704	tobacco products											tobacco products
020101	general coal mining											general coal mining
020109	other coal mining											other coal mining
020201	quarrying											quarrying
020202	gravel digging											gravel digging
020209	other quarrying											other quarrying
020301	metal mining											metal mining
020302	petroleum mining											petroleum mining
030101	hydroelectric plant											hydroelectric plant
030101	construction work											construction work
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
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
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
050201	general harbor transportation										general harbor transportation

	service												service
050202	port cargo handling service												port cargo handling service
050209	other harbor transportation												other harbor transportation
	service												service
060201	lumbering												lumbering
060209	other forestry												other forestry
070101	livestock												livestock
070201	fishery												fishery
070209	other fishery												other fishery
080203	furniture/fittings retail												furniture/fittings retail
080204	fuel retail												fuel 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
100101	delivery service												delivery service
100102	movie theatre												movie theatre
100109	other movie/play service												other movie/play service
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
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
150104	cremation service																						cremation service
150105	livestock process service																						livestock process service
160101	public office																						public office
170201	security service																						security service
	total		194	213	176	156	189	160	144	141	120	141	102	132	105	125	95	101	95	91	93	2,573	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