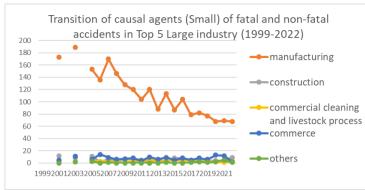
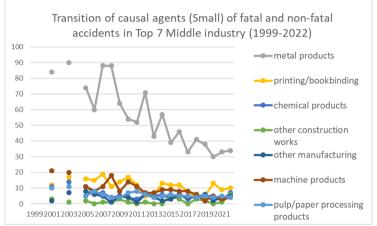
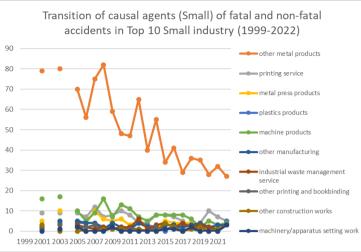
## Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 156 shearing machine (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 156 shearing machine in Large industry (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 156 shearing machine in Middle Industry (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 156 shearing machine in Small Industry (1999-2022)

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 156 shearing machine in Large industry (1999-2022)	
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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	0 2021	2022	total	Large industry
01	manufacturing			173		189		153	136	170	146	128	120	104	120	88	113	87	104	79	82	77	68	69	68	2,274	manufacturing
03	construction			12		8		11	2	6	5	6	7	5	2	4	4	8	8	4	6	4	4	4	9	119	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	3	62	commercial cleaning and livestock process
08	commerce			5		11		6	14	9	6	7	8	4	10	6	9	5	8	5	8	6	13	12	2	154	commerce
17	others					2		3		1							1			1	2	1	2	5	1	19	others
04	transportation service			1		1						1	1	2		1			1	1	1			1		11	transportation service
05	cargo handling service								1							1						1	2			5	cargo handling service
12	education/research service										1	1	1		1									1		5	education/research service
14	hotel/restaurant/amusement service														1							1				2	hotel/restaurant/amusement service
02	mining													1												1	mining
06	agriculture														1											1	agriculture
09	financial business/advertisement													1												1	financial 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	83	2,656	total

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Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 156 shearing machine in Middle industry (1999-2022)

code Middle industry	1999		001	2002 2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total	Middle industry
0112 metal products		84	4	90		74	60	88	88	64	54	52	71	43	57	39	46	33	41	38	30	33	34	1,119	metal products

	rinting/bookbinding		12	17		16	15	19	11	14	17	12	5	6	13	12	12	8	4	5	13	9	10	230	printing/bookbinding
10 1 0 0 101	hemical products		11	14		11	7	7	4	5	4	3	6	5	6	3	6	3	5	5	5	2	7	119	chemical products
0303 0	ther construction works		3	1		2		1	1	3	1		1			5	3		3	2		1	6	33	other construction works
0117 0	ther manufacturing		2	7		8	6	5	1	5	4	1	6	4	2	3	6	4	4	6	2	4	5	85	other manufacturing
0113 n	nachine products		21	20		11	8	11	18	8	14	11	7	7	9	9	8	8	6	2	5	3	4	190	machine products
0106 p	ulp/paper processing products		10	11		5	8	6	4	4	7	8	6	4	5	6	5	5	4	5	4	5	4	116	pulp/paper processing products
0302 c	onstruction work		8	7		8	2	5	4	3	5	3	1	3	4	3	5	4	2	2	4	3	3	79	construction work
1501 co	ommercial cleaning and livestock rocess		3	2		3	3	3	2	1	4	3	6	2	4	5	4	5	2	4	2	1	3	62	commercial cleaning and livestock process
	vholesale		4	7		4	12	4	4	7	7	3	7	5	5	3	5	4	4	4	9	10	2	110	wholesale
0114 e	lectrical equipment products		7	4		8	4	6	5	5	3	2	3	2	1	1	3	2	4	4	1	2	2	69	electrical equipment products
0111 n	onferrous metal making		2	2		3		3	3	3	5	4	2	1	1		4		2	3	2	2	1	43	nonferrous metal making
1702 of	thers			2		3		1							1			1	2		2	5	1	18	others
0103 fi	iber products		3	2			2	2	1		2		1			2	1						1	17	fiber products
0110 st	teel making		8	7		6	11	10	7	9	3	5	3	4	12	6	6	11	3	6	2	7		126	steel making
0115 tr	ransport equipment products		7	10		6	8	9	4	6	5	5	4	9	6	5	7	3	8	2	2			106	transport equipment products
0802 re	etail		1	4		2	2	3	2		1	1	2	1	3	2	3	1	3	1	1	2		35	retail
0109 s:	and and stone products			2		3	2	1		1	1		1			1		1			1	1		15	sand and stone products
0102 te	extile products		3	2			1						3	1				1	1			1		13	textile products
0403 ra	oad cargo transportation service		1	1						1	1	2		1			1	1	1			1		11	road cargo transportation service
0104 w	vood products		1				2	1		1	1	1	1	1	1									10	wood products
0804 o	ther commerce							2					1		1				1	1	3			9	other commerce
0101 fc	ood products		1			2	1	1		1										1	1			8	food products
0105 fi	urniture		1	1			1	1		2			1	1										8	furniture
<b>0301</b> ci	ivil engineering work		1			1					1	2		1					1					7	civil engineering work
0501 la	and cargo handling service						1							1						1	2			5	land cargo handling service
	ducation/research service								1	1	1		1									1		5	education/research service
	ther mining											1												1	other mining
0601 a	griculture												1											1	agriculture
0902 a	dvertisement and mediator											1												1	advertisement and mediator
	elecommunication service														1									1	telecommunication service
1302 so	ocial welfare facility																			1				1	social welfare facility
1401 h	lotel																			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 service
1303 other health and hygiene service																							other health and hygiene service
1403 other amusement service																							other amusement 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	83	2,656	total

## Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 156 shearing machine in Small industry (1999-2022)

code	Small industry	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	3 2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	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	27	1,018	other metal products
010701	printing service			9		9		9	7	12	7	8	10	8	4	4	8	8	7	5	2	4	10	7	5	143	printing service
011203	metal press products			5		10		4	4	10	6	5	6	3	5	2	2	5	4	4	4	2	1		5	87	metal press products
010805	plastics products			2		4		4	4	4	2	2		1	4	3	2		3		2	2	2		5	46	plastics products
011301	machine products			16		17		10	5	9	16	7	13	11	7	5	8	8	8	8	6	2	5	3	4	168	machine products
	other manufacturing			1		5		5	4	4	1	4	2	1	4	2		3	3	2	3	4	2	3	3	56	other manufacturing
150102	industrial waste management service			2		1		3	2	1	2	1	2	2	6	1	3	4	2	4	2	3	2	1	3	47	industrial waste management service
010709	other printing and bookbinding			2		3		2	2	3	1	1	1	1	1		2	1	2		1				3	26	other printing and bookbinding
	other construction works			3							1	1	1		1			4	2		1	2		1	3	20	other construction works
030302	machinery/apparatus setting work					1		2				2						1	1		2				3	12	machinery/apparatus setting work

80109 other wholesale		4	7	4	12	3	3	6	5	3	7	5	5	3	5	4	4	4	9	10	2	105	other wholesale
10602 paper processing products		5	10	3	7	4	3	4	6	4	5	3	4	6	4	5	3	3	4	4	2	89	paper processing products
10702 bookbinding		1	5	5	6	4	3	5	6	3		2	3	3	3	3	1	1	3	2	2	61	bookbinding
10806 rubber products		5	6	5	1	1			4	1	2	1	3	1	3	2	1	1	3	2	2	44	rubber products
11409 other electrical equipment		4	1	7	3	2	2	3	2	2	2			1	1		1	2		1	2	36	other electrical equipment
10609 other pulp/paper processing products		2	1	1		1	1			2	1	1	1		1		1	1			2	16	other pulp/paper processing products
30201 steel frame/reinforced concrete house construction work		4	1	6	1	3	1		2	1		1		1	2	3	1	1	1	1	1	31	steel frame/reinforced concrete house construction work
30209 other building construction work		1	3	1	1		2	2	3	1	1	2	3	2	2			1	3	1	1	30	other building construction work
11109 other nonferrous metal products		1	1	2		2	2	3	3	2	2				3		2	1	1	2	1	28	other nonferrous metal products
auto mobile servicing		1	2	2	1			1			2	1	1		2	1		2		1	1	18	auto mobile servicing
70209 others			2	3		1							1			1	2		1	5	1	17	others
10309 other fiber products			2		2	2	1		1		1			2	1						1	13	other fiber products
11702 machine repair				1	1				2			1	1		1	1	1				1	10	machine repair
11204 metal plating products						2				1					1			1	1		1	7	metal plating products
30202 wooden house construction work		1	1			1	1	1							1						1	7	wooden house construction work
11201 western tableware/cutting tool products						1				1	1						1				1	5	western tableware/cutting tool products
11009 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
11502 auto mobile products		5	7	3	6	6	2	3	3	3	4	8	2	3	6	3	5	1				70	auto mobile products
80209 other retails		1	4	1	2	2	2		1	1	2	1	3	2	3	1	3		1	2		32	other retails
11001 steel/iron/rolling products		1	2	2	1	2	2	1		1		3	3	1	1	2			1			23	steel/iron/rolling products
11305 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
11501 ship building			1	2	1	1	2	1	1						1		2	1	2			15	ship building
11401 heavy electrical equipment		1	1	1		2	1					1			1	1	3	1	1			14	heavy electrical equipment
electronics equipment and telecommunications apparatus			1		1	2	1	2	1		1	1	1		1	1				1		14	electronics equipment and telecommunications apparatus
nonferrous metals/rolling products		1	1			1	1		2	1		1	1		1			2	1			13	nonferrous metals/rolling products
10899 other chemical products		1	2	1		2				1			1	1		1	1	1				12	other chemical products
10601 pulp/paper		3		1	1	1			1	2								1		1		11	pulp/paper
30203 building facility construction work		2	2	1		1				1			1			1	1			1		11	building facility construction work
40301 general truck transportation service		1	1					1	1	2		1			1	1	1			1		11	general truck transportation service
50103 other waste disposal service		1	1		1				2			1	1	1	1	1		1				11	other waste disposal service

	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
010801	non organic or organic chemical products		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
030199	other civil engineering work				1					1	2		1					1				6	other civil engineering work
	cement products			2	1	1	1															5	cement products
010909	other sand and stone products				1							1					1			1	1	5	other sand and stone 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	1											4	glass products
	other education/research service							1		1		1									1	4	other education/research service
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
010204	dyeing		1									1									1	3	dyeing
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
	casting products						2															2	casting products
011102	nonferrous metals casting products				1						1											2	nonferrous metals casting products
011202	screw products												1								1	2	screw 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
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
	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
	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
	fire resisting products														fire resisting products
L	other ceramic products														other ceramic products
011303	optical instruments														optical instruments
011304	watch products														watch products
011601	electric utility service														electric utility service
	city gas service														city gas service
011603	city water service														city water service
011609	other electric/gas/water service														other electric/gas/water service
011704	tobacco products														tobacco products
	general coal mining														general coal mining
020109	other coal mining														other coal mining
020201	quarrying														quarrying
<u> </u>	gravel digging														gravel digging
020209	other quarrying														other quarrying
020301	metal mining														metal mining
020302	petroleum mining														petroleum mining
	hydroelectric plant														hydroelectric plant

030101			 П			Ш	П	I		Ш	Ш	П	П				Ш	Ш	П	Ш	Ш	н
050101	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	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
	bus service																					bus service
	other passenger transport service																					other passenger transport service
	specific truck transportation service																					specific truck transportation service
	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 service																					general harbor transportation service
050202	port cargo handling service																					port cargo handling service
050209	other harbor transportation service																					other harbor transportation service
060201	lumbering																					lumbering
060209	other forestry																					other forestry
070101	livestock																					livestock
	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					i	j															beauty salon
090101	banking/trust business					j	j											T				banking/trust business
				i												i					–i	

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
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
120102	software service																							software service
130101	hospital																							hospital
	general clinic																							general clinic
130109	other medical treatment service																							other medical treatment service
	bathhouse																							bathhouse
130309	other health and hygiene service																							other health and hygiene service
	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
	building maintenance service																							building maintenance service
150104	cremation service																							cremation service
	livestock process service																							livestock process service
	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	83	2,656	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