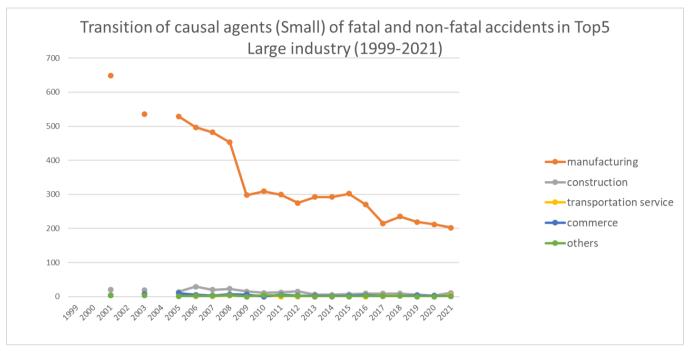
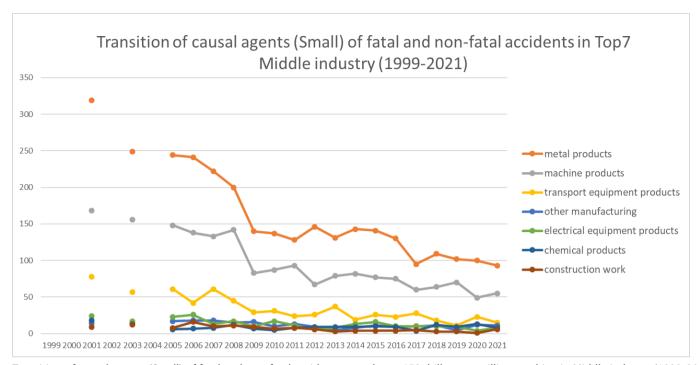
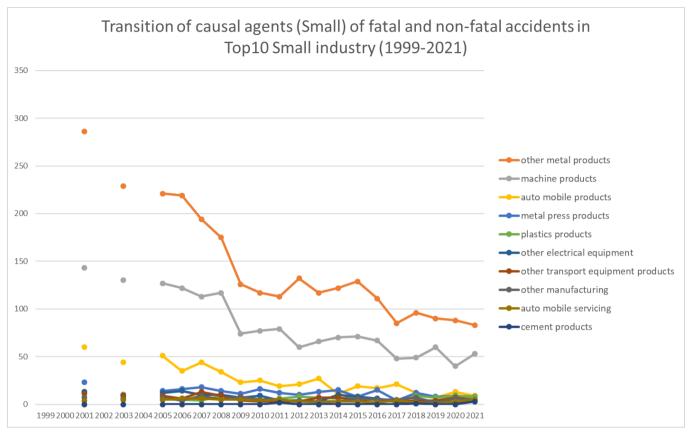
Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 152 drill press, milling machine (1999-2021)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 152 drill press, milling machine in Large industry (1999-2021)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 152 drill press, milling machine in Middle Industry (1999-2021)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 152 drill press, milling machine in Small Industry (1999-2021)

## Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 152 drill press, milling 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			649		536		529	497	482	453	298	309	299	275	292	292	302	270	215	235	219	212	202	6,566	manufacturing
03	construction			20		19		14	29	20	23	15	11	12	15	6	5	7	9	9	9	5	3	11	242	construction
04	transportation service			3		3		1	1	1	3		3				1	1		3	2	1	1	3	27	transportation service
08	commerce			4		8		10	5	3	7	6		5	3	2	1	2	4	2	2	3	2	1	70	commerce
17	others			3		4		1	2	2	4		4	3	2				2	1	2			1	31	others
15	commercial cleaning and					1		2			1			2	2							1	2		11	commercial cleaning and
	livestock process										'															livestock process
	hotel/restaurant/amusement																									hotel/restaurant/amusement

14	service			1		1	1				2						1					6	service
02	mining						1	1							1	1						4	mining
12	education/research service					1		2							1							4	education/research service
05	cargo handling service				1												1					2	cargo handling service
06	agriculture											1										1	agriculture
07	livestock/fishery		1																			1	livestock/fishery
09	financial																						financial
09	business/advertisement																						business/advertisement
10	movie/play service																						movie/play service
11	telecommunication service																						telecommunication service
13	health and hygiene service																						health and hygiene service
16	public office																						public office
	total		680	572	558	536	510	494	319	327	323	298	300	299	314	286	232	250	229	220	218	6,965	total

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 152 drill press, milling 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			319		249		244	241	222	200	140	137	128	146	131	143	141	130	95	109	102	100	93	3,070	metal products
0113	machine products			168		156		148	138	133	142	83	87	93	67	79	82	77	75	60	64	70	49	55	1,826	machine products
0115	transport equipment products			78		57		61	42	61	45	29	31	24	26	37	19	26	23	28	18	11	23	15	654	transport equipment products
0117	other manufacturing			14		15		17	18	18	15	16	10	13	9	5	8	11	9	10	11	5	12	11	227	other manufacturing
0114	electrical equipment products			24		17		23	26	13	17	10	17	11	6	8	13	16	10	10	10	9	4	8	252	electrical equipment products
0108	chemical products			18		13		6	7	8	12	7	5	8	9	9	9	10	9	4	12	9	13	8	176	chemical products
0302	construction work			9		12		8	16	10	11	9	7	8	6	3	4	4	4	5	3	3	1	6	129	construction work
																										sand and stone

0109	sand and stone products		1	2		2	1	2	1	2	1	3		1		1		2	1			5	25	products
0303	other construction works		9	4		4	9	8	11	4	3	3	7	3	1	3	3	4	4	2	2	4	88	other construction works
0111	nonferrous metal making		7	12		8	7	7	9	5	4	5		6	4	8	7	2	5	7	3	3	109	nonferrous metal making
0110	steel making		10	6		7	8	6	5	3	7	7	5	9	3	8	3	2	2	5	4	2	102	steel making
0403	road cargo transportation service		2	3		1	1	1	2		2				1			2	2	1	1	2	21	road cargo transportation service
0105	furniture		3	4		2	4	6	2	2	4	4	2	5	8	1	2	1	2		1	1	54	furniture
0104	wood products		5	4		5	2	3		1	2	1	4	2	2	2	1		1	1	1	1	38	wood products
0802	retail		2	5		6	1	1	5	2		3	1	1		2	1		1	1	1	1	34	retail
0301	civil engineering work		2	3		2	4	2	1	2	1	1	2				2		2			1	25	civil engineering work
1702	others		3	3			2	1	1		3	3	1				1	1	2			1	22	others
0401	railroad/water transportation/airline service		1						1									1				1		railroad/water transportation/airline service
0801	wholesale		1	1		4	2	1	1	4		2	2		1		2	1	1	1	1		25	wholesale
0101	food products		1			1	1	1	2		1	1	1					1			1		11	food products
0804	other commerce		1	2			2	1	1					1			1	1		1			11	other commerce
1501	commercial cleaning and livestock			1		2			1			2	2							1	2		11	commercial cleaning and livestock process
1701	dispatch service			1		1		1	3		1		1				1						9	dispatch service
0102	textile products			1		3		1	1		1				1								8	textile products
0106	pulp/paper processing products					1	2		1		2	1											7	pulp/paper processing products
1403	other amusement service			1			1	1				2						1					6	other amusement service
$\overline{}$	i i				1								1	7	1									

0103	fiber products				1		1						1			1	4	fiber products
0202	quarrying						1	1				1	1				4	quarrying
1201	education/research service					1		2				1					4	education/research service
0107	printing/bookbinding		1					1				1					3	printing/bookbinding
0402	road passenger transport service								1			1					2	road passenger transport service
0501	land cargo handling service				1												1	land cargo handling service
0502	harbor transportation service													1			1	harbor transportation service
0602	forestry									1							1	forestry
0701	livestock		1														1	livestock
0116	electric/gas/water service																	electric/gas/water service
0201	coal mining																	coal mining
0203	other mining																	other mining
0404	other transportation service																	other transportation service
0601	agriculture																	agriculture
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
1301	incurcui (reatment service																						service
1302	social welfare facility																						social welfare facility
1303	other health and hygiene service																						other health and
1303	other health and hygiene service																						hygiene service
1401	hotel																						hotel
1402	restaurant																						restaurant
1601	public office																						public office
	total		680	572	558	536	510	494	319	327	323	298	300	299	314	286	232	250	229	220	218	6,965	total

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 152 drill press, milling 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			286		229		221	219	194	175	126	117	113	132	117	122	129	111	85	96	90	88	83	2,733	other metal products
011301	machine products			143		130		127	122	113	117	74	77	79	60	66	70	71	67	48	49	60	40	53	1,566	machine products
011502	auto mobile products			60		44		51	35	44	34	23	25	19	21	27	11	19	17	21	12	7	13	9	492	auto mobile products
011203	metal press products			23		10		14	16	18	14	11	16	12	10	13	15	8	15	4	12	8	9	8	236	metal press products
010805	plastics products			13		10		5	5	4	9	6	4	6	8	7	6	8	6	2	9	7	9	8	132	plastics products
011409	other electrical equipment			13		9		12	14	10	10	7	9	4	4	3	10	8	6	3	1	3	2	5	133	other electrical equipment
011509	other transport equipment products			11		9		9	6	13	9	4	3	4	3	7	7	5	5	3	4	4	7	5	118	other transport equipment products
011709	other manufacturing			7		6		7	4	9	5	8	5	5	3	3	3	6	5	5	7	2	6	5	101	other manufacturing
011701	auto mobile servicing			4		5		5	6	6	5	5	4	5	3	2	3	3	2	4	2	1	3	5	73	auto mobile servicing
010901	cement products													2							1			3	6	cement products
011305	other precision machine products			20		20		18	13	16	24	8	9	9	5	10	10	4	6	11	10	6	9	2	210	other precision machine products

011102	nonferrous metals casting products		4	3	7	4	2	5	2		2		3	2	5	3	1	1	3	3	2	52	nonferrous metals casting products
030201	steel frame/reinforced concrete house construction work		3	5	4	8	1	1	5	3	4	2		2		2	2	1	1	1	2		steel frame/reinforced concrete house construction work
030209	other building construction work		4	1	4	4	5	4	3	2	4	2	2	1	2	1	1		1		2	43	other building construction work
030309	other construction works		4	3	2	4	2	7	1	1	1	5		1	1		2	3	2	1	2	42	other construction works
011401	heavy electrical equipment		3	3	3	4	1	1	1	3	2	1	2	2	2	2	2	3			2	37	heavy electrical equipment
030302	machinery/apparatus setting work		1		1	4	5	3	1	2	2	2	3		1	3	2	1		1	2	34	machinery/apparatus setting work
030202	wooden house construction work			4		4	3	2	1	1		1		1	1	1	1		1		2	23	wooden house construction work
040301	general truck transportation service		2	3	1	1	1	2		2							2	2		1	2	19	general truck transportation service
011702	machine repair		3	3	5	8	3	5	3	1	3	3		1	2	2	1	2	2	3	1	51	machine repair
011002	casting products		4	2	3	1	5	1	2	3	4	4	4	2	5	2			3	3	1	49	casting products
011201	western tableware/cutting tool products		5	6	4	2	3	3	1	2	2	2	1	4	1		1	1	2	3	1	44	western tableware/cutting tool products
011109	other nonferrous metal products		3	7	1	2	4	3	2	3	1		3	2	2	2	1	3	3		1	43	other nonferrous metal products
011402	electrical appliance		1	3	3	3		3		1	3	1	1		1	2	4	3	4		1	34	electrical appliance
011501	ship building		5	4	1	1	3	2	1	1	1	1	2	1	2	1	3	1		3	1	34	ship building
010409	other lumber and wood products		4	4	4	2	3		1	2	1	4	1	2	1					1	1	31	other lumber and wood products
170209	others		3	3		2	1	1		3	3	1				1	1	2			1	22	others
011001	steel/iron/rolling products		2	2	2	3		1	1	1	2		1	1	2				1		1	20	steel/iron/rolling products
010509	other furniture				1		1		1		1	1		1	1	1	1				1	10	other furniture

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011204	metal plating products		1			1		2	2								2			1		1	10	metal plating products
010902	glass products								1	1		1										1	4	glass products
010904	fire resisting products				1			1														1	3	fire resisting products
030106	road construction work					1			1													1	3	road construction work
080202	auto mobile retail							1													1	1	3	auto mobile retail
040102	water transportation service																					1	1	water transportation service
011403	electronics equipment and telecommunications		7		2	5	5	2	3	2	4	2		2	1	5		1	3	2	2		48	electronics equipment and telecommunications
011202	screw products		4		4	4	4	5	6	2	2	1	2		2	3	2	5		1			47	screw products
011009	other steel products		4		2	2	4	1	3		3	1	1	4		1	1	2	2	1	1		33	other steel products
011302	measuring instruments		3		4	2	1	3		1	1	3	2	1	1	2	1		3	3			31	measuring instruments
080209	other retails		2		5	5	1		5	2		1	1	1		2	1		1	1			28	other retails
010806	rubber products		3		2	1		3	2		1	1		1	1	2	3	1	2	1	3		27	rubber products
080109	other wholesale		1		1	4	2		1	4		2	2		1		2	1	1		1		23	other wholesale
010501	wood furniture		1		1		3	3	1	1	1	2		3	3				1		1		21	wood furniture
010502	metal furniture		2		2	1	1		1		3	1	1	1	4		1						18	metal furniture
011303	optical instruments		2		2	1	2	1	1			2		2	1		1		2				17	optical instruments
030203	building facility construction work		2		2			1	4		1		1	1		1		1	2				16	building facility construction work
011101	nonferrous metals/rolling products				2		1	1	1	1	1	2				1	2		1	1			14	nonferrous metals/rolling products
030199	other civil engineering work		2		2		4	2		1			1				1		1				14	other civil engineering work
030301	electricity/telecommunication work		4		1	1	1	1	1	2						1							12	electricity/telecommunication work
080409	other commerce		1		2		2	1	1					1			1	1		1			11	other commerce
	other sand and stone																							other sand and stone

010909	products		1	1	2		1		1	1			1				2				10	products
011503	railway vehicle products		2				1		1	2		1	1				1	1			10	railway vehicle products
170101	dispatch service			1	1		1	3		1		1				1					9	dispatch service
010209	other textile products			1	2		1	1		1				1							7	other textile products
010801	non organic or organic chemical products		1					1			1	1	1	1			1				7	non organic or organic chemical products
010602	paper processing products				1	1		1		2	1										6	paper processing products
010899	other chemical products		1	1		1	1											1	1		6	other chemical products
010109	other foods					1		2									1			1	5	other foods
010401	lumbering		1		1								1			1		1			5	lumbering
010503	fittings			1			2						1					1			5	fittings
150102	industrial waste management service				1			1			1	2									5	industrial waste management service
120109	other education/research service					1		2							1						4	other education/research service
150103	other waste disposal service				1						1									2	4	other waste disposal service
010301	over/under wear						1									1				1	3	over/under wear
020201	quarrying						1	1								1					3	quarrying
030110	water supply/sewage construction work			1	1											1					3	water supply/sewage construction work
040101	railroad service		1					1									1				3	railroad service
080201	all kinds of retail				1						2										3	all kinds of retail
140301	golf course			1			1				1										3	golf course
010101	meat/dairy products		1		1																2	meat/dairy products
010402	plywood														1				1		2	plywood
010701	printing service		1					1													2	printing service

010803	pharmaceuticals					1											1	2	pharmaceuticals
010905	other ceramic products					1							1					2	other ceramic products
011304	watch products													1		1		2	watch products
030105	bridge construction work								1	1								2	bridge construction work
040202	bus service								1				1					2	bus service
040309	other land cargo transportation service											1				1		2	other land cargo transportation service
080101	all kinds of wholesale						1									1		2	all kinds of wholesale
140309	other amusement service									1				1				2	other amusement service
010102	fishery products									1								1	fishery products
010103	agricultural food products						1											1	agricultural food products
010104	bread/cake products										1							1	bread/cake products
010106	soft drinks								1									1	soft drinks
010202	cotton-spinning				1													1	cotton-spinning
010309	other fiber products				1													1	other fiber products
010601	pulp/paper					1												1	pulp/paper
010702	bookbinding												1					1	bookbinding
010807	leather products							1										1	leather products
010809	chemical fertilizer products											1						1	chemical fertilizer products
011703	cleaning											1						1	cleaning
011704	tobacco products			1														1	tobacco products
020209	other quarrying												1					1	other quarrying
030101	hydroelectric plant construction work							1										1	hydroelectric plant construction work
030107	river civil engineering work														1			1	river civil engineering work
030111	port/seaside construction work										1							1	port/seaside construction work

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050101	land cargo handling service					1										1	land cargo handling service
050202	port cargo handling service												1			1	port cargo handling service
060209	other forestry									1						1	other forestry
070101	livestock		1													1	livestock
140302	park and amusement park						1									1	park and amusement park
150101	building maintenance service													1		1	building maintenance service
150109	other cleaning and livestock process service				1											1	other cleaning and livestock process service
010105	alcoholic drinks																alcoholic drinks
010201	silk-reeling																silk-reeling
010203	weaving																weaving
010204	dyeing																dyeing
010609	other pulp/paper processing products																other pulp/paper processing products
010709	other printing and																other printing and
010802	chemical fiber																chemical fiber
010804	petroleum/coal products																petroleum/coal products
010808	painting products																painting products
010903	pottery products																pottery 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
020101	general coal mining																general coal mining

020109	other coal mining																			other coal mining
020202	gravel digging	Ì																		gravel digging
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
030108	sand collapse prevention civil																			sand collapse prevention civil
030100	engineering work																			engineering work
030109	land consolidation civil																			land consolidation civil
	engineering work																			engineering work
040103	airline service																			airline service
040201	taxi service																			taxi service
040209	other passenger transport																			other passenger transport
0 10203	service																			service
040302	specific truck transportation																			specific truck transportation
	service						_			_										service
040303																				cargo/ light automobile
	transportation service																			transportation service
040409	other transportation service																			other transportation service
050201	general harbor transportation																			general harbor transportation
	service									_										service
050209	other harbor transportation																			other harbor transportation
	service																			service
060101	agriculture						_ _													agriculture
060201	lumbering																			lumbering
II		II			II	II		П	II							I				

070201	fishery												fishery
070209	other fishery												other fishery
080102	furniture/fittings wholesale												furniture/fittings wholesale
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
080401	warehousing												warehousing
090101	banking/trust business												banking/trust business
090102	stock/commodity trade												stock/commodity trade
030102	business												business
090103	insurance business												insurance business
090109	other financial business												other financial business
090201	traveling service												traveling service
090209	other advertisement and												other advertisement and
030203	mediator												mediator
100101	movie production and												movie production and
	delivery service												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
	other medical treatment												other medical treatment

130109	service																						service
130201	social welfare facility																						social welfare facility
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
150104	cremation service																						cremation service
150105	livestock process service																						livestock process service
160101	public office																						public office
170201	security service																						security service
170202	information processing																						information processing
11	service																						service
	total		680	572	558	536	510	494	319	327	323	298	300	299	314	286	232	250	229	220	218	6,965	total

 $Data\ source: \underline{https://anzeninfo.mhlw.go.jp/user/anzen/tok/anst00.htm}\ (MHLW, Japan)$ 

https://www.jisha.or.jp/english/statistics/202212 03.html