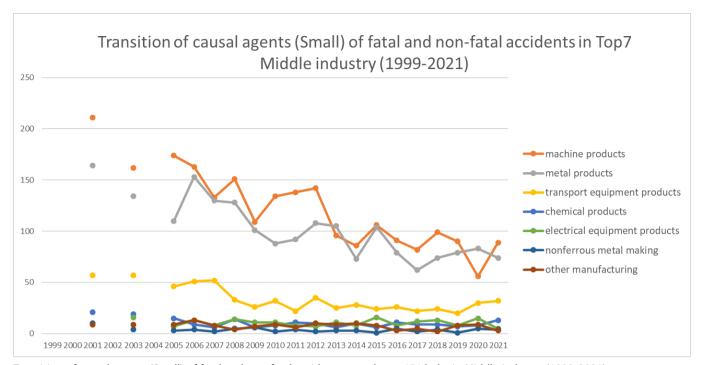
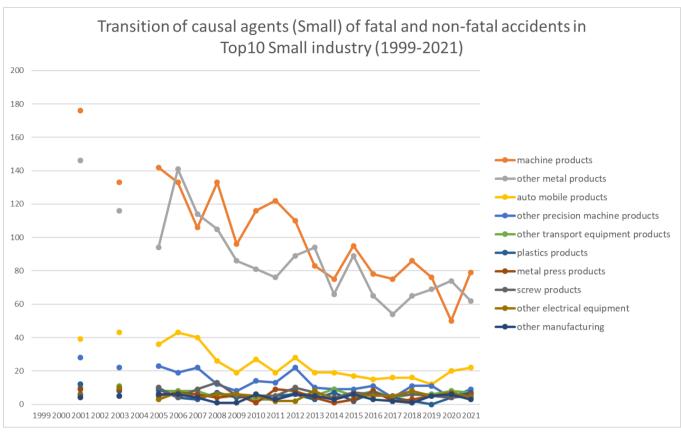
Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 151 lathe (1999-2021)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 151 lathe in Large industry (1999-2021)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 151 lathe in Middle Industry (1999-2021)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 151 lathe in Small Industry (1999-2021)

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 151 lathe 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			505		413		380	420	350	363	275	290	292	322	263	224	276	231	202	240	217	213	225	5,701	manufacturing
03	construction			13		5		9	8	6	13	6	4	7	8	3	8	3	9	3	5	5	7	7	129	construction
08	commerce			7		2		4	1	4	3	3	3	2	6		6	3	2	1	4	3	2	1	57	commerce
17	others			1				1	2	3	3	2		2	2		1		1	1		2			21	others
04	transportation service			1		2		1	1		2	1	1	2											11	transportation service
07	livestock/fishery																2	1	1						4	livestock/fishery
15	commercial cleaning and										1			1		1									2	commercial cleaning and
'	livestock process																									livestock process

02	mining			1													1					2	mining
12	education/research service					1									1							2	education/research service
14	hotel/restaurant/amusement			1													1					2	hotel/restaurant/amusement
	service																						service
13	health and hygiene service																1					1	health and hygiene service
05	cargo handling service																						cargo handling service
06	agriculture																						agriculture
09	financial																						financial
	business/advertisement																						business/advertisement
10	movie/play service																						movie/play service
11	telecommunication service																						telecommunication service
16	public office																						public office
	total		527	424	395	433	363	385	287	298	306	338	267	241	284	244	210	249	227	222	233	5,933	total

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 151 lathe 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
0113	machine products			211		162		174	163	133	151	109	134	138	142	96	86	106	91	82	99	90	56	89	2,312	machine products
0112	metal products			164		134		110	153	130	128	101	88	92	108	105	73	104	79	62	74	79	83	74	1,941	metal products
0115	transport equipment products			57		57		46	51	52	33	26	32	22	35	25	28	24	26	22	24	20	30	32	642	transport equipment products
0108	chemical products			21		19		15	9	6	14	6	8	11	10	6	10	6	11	9	9	7	8	13	198	chemical products
0114	electrical equipment products			10		16		7	13	8	14	11	11	8	7	11	8	16	8	12	13	8	15	5	201	electrical equipment products
0111	nonferrous metal making			10		4		3	4	2	5	6	2	4	2	3	3	1	5	2	4	1	5	4	70	nonferrous metal making
0117	other manufacturing			9		9		9	13	8	4	7	9	6	10	9	10	8	3	5	2	8	9	3	141	other manufacturing

0302	construction work	8	4	5	6	4	4	4	1	2	6	1	6		5	1	3	2	3	3	68	construction work
0303	other construction works	3		3	2	1	2	2		3	1	2	1	2	3	2	1	1	2	3	34	other construction works
0104	wood products	3	1	1	1		4							2			1			2	15	wood products
0110	steel making	11	8	4	9	6	8	7	2	6	3	4	4	6	3	2	6	2	4	1	96	steel making
0301	civil engineering work	2	1	1		1	7		3	2	1		1	1	1		1	2	2	1	27	civil engineering work
0802	retail	4		4		1	1		2		1		3	2		1	2	1	1	1	24	retail
0105	furniture	2		1	1						1		1		1					1	8	furniture
0101	food products	1	1	1						1							1			1	6	food products
0109	sand and stone products	3	1	6	1	3	2	1	3	4	3	3	1	1	2	5	4	1			44	sand and stone products
0801	wholesale	3	2			2	2	2	1	1	4		2	1	2			2	1		25	wholesale
1702	others	1		1	2		3	2		1	1		1			1		2			15	others
0106	pulp/paper processing products	1	1	1		1		1	1		1				2	1					10	pulp/paper processing products
0401	railroad/water transportation/airline service	1	2	1			1	1	1	1												railroad/water transportation/airline service
0804	other commerce				1	1		1		1	1		1				2				8	other commerce
0107	printing/bookbinding	1		1	1	1						1		1			1				7	printing/bookbinding
0102	textile products	1		1										1			1		2		6	textile products
1701	dispatch service					3				1	1				1						6	dispatch service
0103	fiber products				1												1	1	1		4	fiber products
0403	road cargo transportation service				1		1			1											3	road cargo transportation service
1501	commercial cleaning and livestock process						1			1		1									3	commercial cleaning and livestock process

0202	quarrying			1									1			2	quarrying
0701	livestock									1		1				2	livestock
0702	fishery									1	1					2	fishery
1201	education/research service					1					1					2	education/research service
1403	other amusement service			1									1			2	other amusement service
1301	medical treatment service												1			1	medical treatment service
0116	electric/gas/water service																electric/gas/water service
0201	coal mining																coal mining
0203	other mining																other mining
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
0502	harbor transportation service																harbor transportation service
0601	agriculture																agriculture
0602	forestry																forestry
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
1302	social welfare facility																						social welfare facility
1303	other health and hygiene service																						other health and
1401	hotel																						hotel
1402	restaurant																						restaurant
1601	public office																						public office
	total		527	424	395	433	363	385	287	298	306	338	267	241	284	244	210	249	227	222	233	5,933	total

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 151 lathe 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
011301	machine products			176		133		142	133	106	133	96	116	122	110	83	75	95	78	75	86	76	50	79	1,964	machine products
011209	other metal products			146		116		94	141	114	105	86	81	76	89	94	66	89	65	54	65	69	74	62	1,686	other metal products
011502	auto mobile products			39		43		36	43	40	26	19	27	19	28	19	19	17	15	16	16	12	20	22	476	auto mobile products
011305	other precision machine products			28		22		23	19	22	12	8	14	13	22	10	9	9	11	4	11	11	4	9	261	other precision machine products
011509	other transport equipment products			10		11		8	8	8	4	5	3	3	7	5	9	5	8	4	6	6	8	7	125	other transport equipment products
010805	plastics products			12		8		9	4	3	7	4	5	5	6	3	7	2	7	4	2		4	7	99	plastics products
011203	metal press products			9		9		5	7	6	4	6	1	9	8	4	1	3	8	2	3	5	4	6	100	metal press products
011202	screw products			6		5		10	4	9	13	5	5	5	10	7	4	7	6	5	6	5	4	5	121	screw products
011409	other electrical equipment			5		10		3	7	4	6	6	5	2	2	8	3	6	5	5	8	5	7	4	101	other electrical equipment
011709	other manufacturing			4		5		6	6	4	1	1	6	3	6	5	3	6	3	2	1	5	6	3	76	other manufacturing
010806	rubber products			6		8		5	2	3	5	1	2	4	4	1	3	2	4	2	6	5	4	3	70	rubber products

011501	ship building	5	1	2		2	1	2	2			1		1		1	1	2	2	3	26	ship building
011109	other nonferrous metal products	5	1		1		2	2	1	3		1	1		2	1	4	1	4	2	31	other nonferrous metal products
011102	nonferrous metals casting products	2	3	3	1	1	3	3	1	1	1	1	1	1	1	1			1	2	27	nonferrous metals casting products
030209	other building construction work	3				2	1		1	1	3		1		2		1	1	1	2	19	other building construction work
030302	machinery/apparatus setting work	1		1	2	1	1	2		1	1	1		1	3		1	1		2	19	machinery/apparatus setting work
010409	other lumber and wood products	1	1	1	1		4							2			1			2	13	other lumber and wood products
011303	optical instruments	1	2	7	9	3	4		2	2	5	2	2	1		3	1	3	2	1	50	optical instruments
011403	electronics equipment and telecommunications apparatus	1	3	2	2		2	3	3	1	3	1	1	5		4	1	1	4	1	38	electronics equipment and telecommunications apparatus
030201	steel frame/reinforced concrete house construction work	1		2	3			4			3		3		2		1	1	1	1	22	steel frame/reinforced concrete house construction work
080209	other retails	4		4		1	1		2		1		1	1		1	1	1	1	1	20	other retails
011009	other steel products	3	1		2	2	3	1		1	1		1				1	1	1	1	19	other steel products
011204	metal plating products					1	2	4		2	1		2	2		1				1	16	metal plating products
010899	other chemical products		2	1	2		1	1		1				2		3		1		1	15	other chemical products
030309	other construction works	1		2			1					1		1		2			2	1	11	other construction works
030199	other civil engineering work					1	3		1	1					1		1	1		1	10	other civil engineering work
010801	non organic or organic chemical products	2	1		1				1	1							1			1	8	non organic or organic chemical products
010509	other furniture	1			1						1									1	4	other furniture
010109	other foods									1										1	2	other foods

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010803	pharmaceuticals																						1	1	pharmaceuticals
011002	casting products		6	5		6	3	6	2	3	4	2	3	2	2	1	5	2	2	5	1	2		57	casting products
011702	machine repair		4	1		3	3	7	4	2	5	2	2	2	4	6	1		1	1	2	1		50	machine repair
011402	electrical appliance		4	1		2	1	3	3	2	2	2	1	2	1	2	4	2	2	1		2		36	electrical appliance
011302	measuring instruments		6	5		4	1	2	2	2	3	2	1	4	1			2		1				31	measuring instruments
011401	heavy electrical equipment					1	1	1	1	4		1	4		1	2	1	1	1	3	2	2		26	heavy electrical equipment
080109	other wholesale		3	3		2			2	2	2	1	1	4		2	1	2			2	1		25	other wholesale
010909	other sand and stone products		2	2		1	3			1		2	1	1	2		1	1	2	3				20	other sand and stone products
011001	steel/iron/rolling products		2	2		1	1	1	2	2	2		2		2	2	1	1				1		20	steel/iron/rolling products
030203	building facility construction work		4	1		4	2	1	1	2			1			2		1	1			1		20	building facility construction work
011201	western tableware/cutting tool products		3	3		4	1	1		4		1					3					1		18	western tableware/cutting tool products
011503	railway vehicle products		3	3		2			2	2							1	3	1	1				15	railway vehicle products
011701	auto mobile servicing		1			1				1	1	1	1	2		1	1		2		1	2		15	auto mobile servicing
170209	others		1	ı			1	2		3	2		1	1		1			1		2			15	others
010903	pottery products						3	1	3		1		1	1		1			1					12	pottery products
011101	nonferrous metals/rolling products		3	3				2	1		1			1	1	1		2						12	nonferrous metals/rolling products
010902	glass products									1		1	1	1				1	1	1	1			8	glass products
030110	water supply/sewage construction work		1	I			1			2		2	1	1										8	water supply/sewage construction work
030202	wooden house construction work						1	2	1	1					1					1				7	wooden house construction work
040101	railroad service		1			2	1				1	1	1											7	railroad service
010602	paper processing products						1				1	1						2	1					6	paper processing products

011304	watch products			1	1				2		1			1						6	watch products
080409	other commerce					1	1		1	1	1						1			6	other commerce
170101	dispatch service						3			1	1				1					6	dispatch service
010209	other textile products		1											1			1		1	4	other textile products
030106	road construction work		1	1				1											1	4	road construction work
030301	electricity/telecommunication work		1							2			1							4	electricity/telecommunication work
010309	other fiber products					1											1	1		3	other fiber products
010501	wood furniture		1										1		1					3	wood furniture
010701	printing service						1							1			1			3	printing service
010709	other printing and bookbinding		1		1							1								3	other printing and bookbinding
010809	chemical fertilizer products							1				1						1		3	chemical fertilizer products
030105	bridge construction work							1					1	1						3	bridge construction work
040301	general truck transportation service					1		1		1										3	general truck transportation service
010102	fishery products		1														1			2	fishery products
010601	pulp/paper			1			1													2	pulp/paper
010609	other pulp/paper processing products		1								1									2	other pulp/paper processing products
010901	cement products		1							1										2	cement products
020201	quarrying			1												1				2	quarrying
030111	port/seaside construction work																	1	1	2	port/seaside construction work
070101	livestock												1		1					2	livestock
070209	other fishery												1	1						2	other fishery
080204	fuel retail												1	1						2	fuel retail

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080401	warehousing											1			1		2	warehousing
120109	other education/research					1							1				2	other education/research
	service					•												service
150103	other waste disposal service									1	1						2	other waste disposal service
010104	bread/cake products			1													1	bread/cake products
010105	alcoholic drinks				1												1	alcoholic drinks
010202	cotton-spinning				1												1	cotton-spinning
010204	dyeing															1	1	dyeing
010301	over/under wear															1	1	over/under wear
010401	lumbering		1														1	lumbering
010402	plywood		1														1	plywood
010503	fittings				1												1	fittings
010702	bookbinding					1											1	bookbinding
010802	chemical fiber										1						1	chemical fiber
010804	petroleum/coal products		1														1	petroleum/coal products
010904	fire resisting products													1			1	fire resisting products
010905	other ceramic products										1						1	other ceramic products
040102	water transportation service							1									1	water transportation service
080201	all kinds of retail														1		1	all kinds of retail
080202	auto mobile retail											1					1	auto mobile retail
	other medical treatment																	other medical treatment
130109	service													1			1	service
140301	golf course			1													1	golf course
140309	other amusement service													1			1	other amusement service
150100	other cleaning and livestock							1									1	other cleaning and livestock
150109	process service							I									 	process service
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010101	meat/dairy products											meat/dairy products
010103	agricultural food products											agricultural food products
010106	soft drinks											soft drinks
010201	silk-reeling											silk-reeling
010203	weaving											weaving
010502	metal furniture											metal furniture
010807	leather products											leather products
010808	painting products											painting 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
011703	cleaning											cleaning
011704	tobacco products											tobacco products
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
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
030107	river civil engineering work											river civil engineering work
030108	sand collapse prevention civil engineering work											sand collapse prevention civil
030109	land consolidation civil engineering work											land consolidation civil engineering work
040103	airline service											airline service
040201	taxi service										İ	taxi service
040202	bus service											bus service
040209	other passenger transport service											other passenger transport service
040302	specific truck transportation service											specific truck transportation
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
050101	land cargo handling service											land cargo handling 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
060101	agriculture											agriculture
060201	lumbering											lumbering
060209	other forestry											other forestry

070201	fishery												fishery
080101	all kinds of wholesale												all kinds of wholesale
080102	furniture/fittings wholesale												furniture/fittings wholesale
080203	furniture/fittings retail												furniture/fittings 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
090102	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
090209	mediator												mediator
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
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
130201	social welfare facility												social welfare facility
130301	bathhouse												bathhouse
	other health and hygiene												other health and hygiene

130309	service																						service
140101	hotel																						hotel
140201	general restaurant																						general restaurant
140209	other restaurants																						other restaurants
140302	park and amusement park																						park and amusement park
150101	building maintenance service																						building maintenance service
150102	industrial waste management																						industrial waste management
	service																						service
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
	service																						service
	total		527	424	395	433	363	385	287	298	306	338	267	241	284	244	210	249	227	222	233	5,933	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