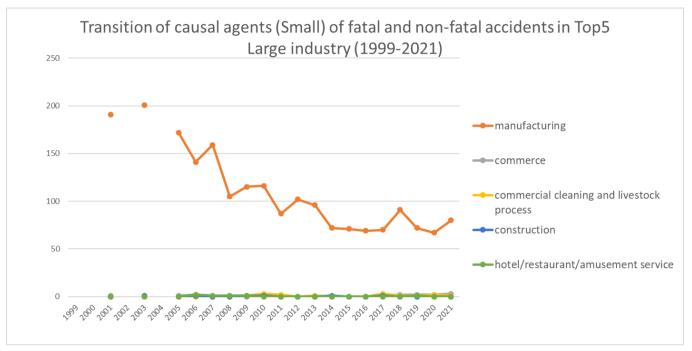
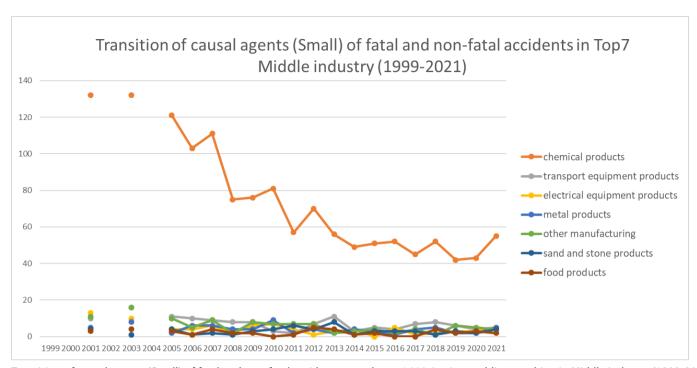
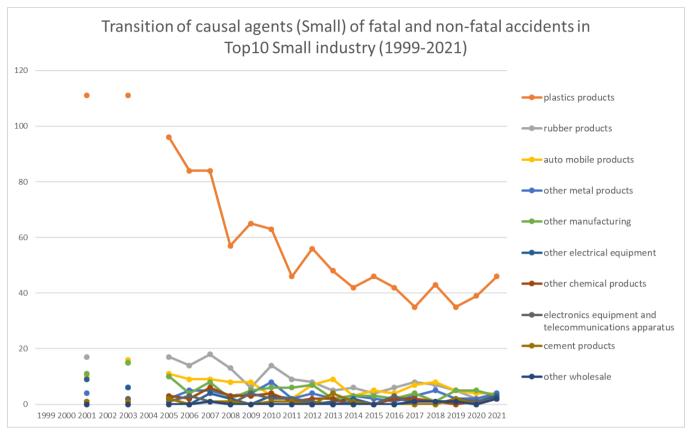
Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 164 injection molding machine (1999-2021)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 164 injection molding machine in Large industry (1999-2021)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 164 injection molding machine in Middle Industry (1999-2021)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 164 injection molding machine in Small Industry (1999-2021)

## Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 164 injection molding 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			191		201		172	141	159	105	115	116	87	102	96	72	71	69	70	91	72	67	80	2,077	manufacturing
08	commerce			1		1		1	2	1	1		1							1	2	2	2	3	18	commerce
15	commercial cleaning and										1	1	2	2		1				2	1	1	2	1	16	commercial cleaning and
13	livestock process										ļ ·	•	3							3				<u> </u>	10	livestock process
03	construction					1			1			1	1				1			1					6	construction
14	hotel/restaurant/amusement								2	1	1	1										1			6	hotel/restaurant/amusement
11	service								_																0	service
17	others					1		1						1	1			1							5	others

06	agriculture		2															1				3	agriculture
04	transportation service								1			1										2	transportation service
12	education/research service						1															1	education/research service
13	health and hygiene service														1							1	health and hygiene service
02	mining																						mining
05	cargo handling service																						cargo handling service
07	livestock/fishery																						livestock/fishery
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		194	204	174	146	162	108	119	121	90	104	97	73	73	69	75	95	76	71	84	2,135	total

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 164 injection molding 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
0108	chemical products			132		132		121	103	111	75	76	81	57	70	56	49	51	52	45	52	42	43	55	1,403	chemical products
0115	transport equipment products			10		16		11	10	9	8	8	3	2	7	11	3	5	4	7	8	6	4	5	137	transport equipment products
0114	electrical equipment products			13		10		4	4	6	2	6	7	4	1	3	4		5	1	2	3	3	5	83	electrical equipment products
0112	metal products			5		8		2	6	6	4	4	9	2	4	2	4	3	1	4	5	2	2	5	78	metal products
0117	other manufacturing			11		16		10	5	9	2	8	7	7	7	2	3	4	2	4	1	6	5	4	113	other manufacturing
0109	sand and stone products			4		1		4	1	2	1	3	4	6	4	8	1	3	3	3	1	3	2	4	58	sand and stone products
0101	food products			3		4		3	1	4	2	2		1	5	4	1	2			4	2	3	2	43	food products

0801	wholesale						1										1	1	1		2	6	wholesale
1501	commercial cleaning and livestock process							1	1	3	2		1				3	1	1	2	1	16	commercial cleaning
0802	retail	1		1	1	2		1										1	1	2	1	11	retail
0113	machine products	4		5	6	5	4	6	2	3	3		4	2	2	1	2	7	3	4		63	machine products
0111	nonferrous metal making	3		5	4	3	4	5	2	1	2	2	4	2	1		2	5	2			47	nonferrous metal making
0106	pulp/paper processing products	2		3	2	1	3		1	1				1				1	1			16	pulp/paper processing products
0110	steel making	2		1	2		1		1		1	1		1		1	2	3				16	steel making
0103	fiber products	1			2	1			1		1	1										7	fiber products
0107	printing/bookbinding	1				1			1									1	1	1		6	printing/bookbinding
1402	restaurant					1	1	1	1										1			5	restaurant
1702	others				1						1	1			1							4	others
0102	textile products				1								2									3	textile products
0104	wood products										1			1				1				3	wood products
0302	construction work			1										1			1					3	construction work
0303	other construction works					1			1													2	other construction works
0403	road cargo transportation service								1			1										2	road cargo transportation service
0601	agriculture	2																				2	agriculture
0105	furniture																		1			1	furniture
0301	civil engineering work									1												1	civil engineering work
0602	forestry																	1				1	forestry
0804	other commerce									1												1	other commerce
																							education/research

1201	education/research service							1									1	service
1302	social welfare facility											1					1	social welfare facility
1401	hotel						1										1	hotel
1701	dispatch service			1													1	dispatch service
0116	electric/gas/water service																	electric/gas/water service
0201	coal mining																	coal mining
0202	quarrying																	quarrying
0203	other mining																	other mining
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
0501	land cargo handling service																	land cargo handling service
0502	harbor transportation service																	harbor transportation service
0701	livestock																	livestock
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
	1	 	 		11	11			 	 	 10	 	 	11	11	11	 	4

1101	telecommunication service																						telecommunication service
1301	medical treatment service																						medical treatment
1303	other health and hygiene service																						other health and
1403	other amusement service																						other amusement service
1601	public office																						public office
	total		194	204	174	146	162	108	119	121	90	104	97	73	73	69	75	95	76	71	84	2,135	total

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 164 injection molding machine in Small industry (1999-2021)

code	Consult in december	1000	2000	2001	2002	2002	2004	2005	2006	2007	2000	2000	2010	2011	2012	2013	2014	2015	2016	2017	2010	2010	2020	2021	4.4.1	Cus all in director.
code	Small industry	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2013	2010	2017	2018	2019	2020	2021	totai	Small industry
010805	plastics products			111		111		96	84	84	57	65	63	46	56	48	42	46	42	35	43	35	39	46	1,149	plastics products
010806	rubber products			17		15		17	14	18	13	6	14	9	8	5	6	4	6	8	7	5	2	4	178	rubber products
011502	auto mobile products			10		16		11	9	9	8	8	3	2	7	9	3	5	4	7	8	5	4	4	132	auto mobile products
011209	other metal products			4		6		2	5	5	3	4	8	2	4	2	3	2	1	3	5	2	2	4	67	other metal products
011709	other manufacturing			11		15		10	4	8	2	5	6	6	7	2	3	3	2	4	1	5	5	3	102	other manufacturing
011409	other electrical equipment			9		6		2		4	2		3	2		1	2		2	1	1	1	1	3	40	other electrical equipment
010899	other chemical products			1		2		3	2	6	3	3	4	1	2	2			2	2	1		1	2	37	other chemical products
	electronics equipment and telecommunications apparatus			1		2		1	3	1		4	2	2	1		1		3			2	1	2	26	electronics equipment and telecommunications apparatus
010901	cement products			1		1		2		1	1		1	1		4	1					2		2	17	cement products
080109	other wholesale									1										1	1	1		2	6	other wholesale
010109	other foods			1		2		1	1	3	2				2		1	1				1	2	1	18	other foods

010801	non organic or organic chemical products			1	2	1	2	1	1		1	3			1	1			1	1	1	17	non organic or organic chemical products
010903	pottery products		2				1			2	3	1	1		2	1				2	1	16	pottery products
150102	industrial waste management service							1	1	3	1		1				2		1		1	11	industrial waste management
010106	soft drinks		1	1	1							1	1		1			1	1	1	1	10	soft drinks
010807	leather products		1		1	1							1								1	5	leather products
010902	glass products				1								1			1	1				1	5	glass products
011703	cleaning			1					1						1				1		1	5	cleaning
080201	all kinds of retail		1	1	1	1															1	5	all kinds of retail
010809	chemical fertilizer products			1	1	1															1	4	chemical fertilizer products
011509	other transport equipment products					1							1						1		1	4	other transport equipment products
011204	metal plating products			1				1													1	3	metal plating products
011301	machine products		1	4	4	3	2	4	2	1	1		3	2	1	1	2	5	2	3		41	machine products
011102	nonferrous metals casting products		3	3	2	3	4	5	2	1	1	2	2		1		2	5				36	nonferrous metals casting products
011402	electrical appliance		2	2	1	1	1		2	1			2	1				1		1		15	electrical appliance
011002	casting products		2	1	2		1		1			1		1			2	3				14	casting products
011305	other precision machine products		2	1	1		1	1		2	1		1		1				1	1		13	other precision machine products
010909	other sand and stone products				1	1			2	1	1				1	1		1				9	other sand and stone
010104	bread/cake products								1		1	2	3					1				8	bread/cake products
010602	paper processing products		1		2	1			1					1				1	1			8	paper processing products
010804	petroleum/coal products		1	2	1		1		1									1	1			8	petroleum/coal products
010309	other fiber products				2	1			1		1	1										6	other fiber products
		i														1							

010904	fire resisting products			1										2	1				1		1		6	fire resisting products
011109	other nonferrous metal products				1		2								1	1					1		6	other nonferrous metal products
011203	metal press products				1			1				1				1	1		1				6	metal press products
080209	other retails							1		1										1	1	2	6	other retails
010102	fishery products			1			1		1											2			5	fishery products
010609	other pulp/paper processing products				2				2			1											5	other pulp/paper processing products
010905	other ceramic products										1		1	1	1				1				5	other ceramic products
011101	nonferrous metals/rolling products				1								1		1	1					1		5	nonferrous metals/rolling products
140201	general restaurant							1	1	1	1										1		5	general restaurant
011304	watch products							2	1	1													4	watch products
011702	machine repair							1	1		1		1										4	machine repair
150103	other waste disposal service																		1	1		2	4	other waste disposal service
170209	others						1						1	1			1						4	others
010601	pulp/paper			1	1				1														3	pulp/paper
010701	printing service			1																	1	1	3	printing service
010709	other printing and bookbinding							1			1									1			3	other printing and bookbinding
010803	pharmaceuticals			1										1		1							3	pharmaceuticals
011302	measuring instruments						1						1							1			3	measuring instruments
010101	meat/dairy products				1						1												2	meat/dairy products
010209	other textile products						1								1								2	other textile products
010409	other lumber and wood products												1			1							2	other lumber and wood products
010808	painting products									1								1					2	painting products
		. 7	. 7		 	. 7	_			. 7								7				- 11	 	

011303	optical instruments		1													1			2	optical instruments
011401	heavy electrical equipment		1						1										2	heavy electrical equipment
011701	auto mobile servicing							1	1										2	auto mobile servicing
030302	machinery/apparatus setting work					1		1											2	machinery/apparatus setting work
040301	general truck transportation service							1			1								2	general truck transportation service
060101	agriculture		2																2	agriculture
010203	weaving											1							1	weaving
010301	over/under wear		1																1	over/under wear
010402	plywood															1			1	plywood
010501	wood furniture																1		1	wood furniture
011001	steel/iron/rolling products									1									1	steel/iron/rolling products
011009	other steel products													1					1	other steel products
011201	western tableware/cutting tool products						1												1	western tableware/cutting tool products
011202	screw products		1																1	screw products
011501	ship building											1							1	ship building
030199	other civil engineering work								1										1	other civil engineering work
030202	wooden house construction work			1															1	wooden house construction work
030203	building facility construction work												1						1	building facility construction work
030209	other building construction work														1				1	other building construction work
060201	lumbering															1			1	lumbering
080409	other commerce								1										1	other commerce

120109	other education/research service					1								1	other education/research service
130201	social welfare facility									1				1	social welfare facility
140101	hotel				1									1	hotel
150101	building maintenance service							1						1	building maintenance service
170101	dispatch service			1										1	dispatch service
010103	agricultural food products														agricultural food products
010105	alcoholic drinks														alcoholic drinks
010201	silk-reeling														silk-reeling
010202	cotton-spinning														cotton-spinning
010204	dyeing														dyeing
010401	lumbering														lumbering
010502	metal furniture														metal furniture
010503	fittings														fittings
010509	other furniture														other furniture
010702	bookbinding														bookbinding
010802	chemical fiber														chemical fiber
011503	railway vehicle products														railway vehicle 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
011003	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
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
030105	bridge construction work													bridge construction work
030106	road construction work													road construction work
030107	river civil engineering work													river civil engineering work
030108	sand collapse prevention civil													sand collapse prevention civil
030108	engineering work													engineering work
030109	land consolidation civil													land consolidation civil
	engineering work													engineering work
030110														water supply/sewage
	construction work													construction work
030111	port/seaside construction													port/seaside construction
	work										_			work
020201	steel frame/reinforced													steel frame/reinforced
030201	concrete house construction work													concrete house construction work
	electricity/telecommunication				_						+	_		electricity/telecommunication
030301	work													work

030309	other construction works															other construction works
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
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
060209	other forestry															other forestry
070101	livestock															livestock
070201	fishery															fishery
070209	other fishery															other fishery
080101	all kinds of wholesale															all kinds of wholesale
080102	furniture/fittings wholesale															furniture/fittings wholesale
11	II				II		1 -1	1[	 ı —1		-1[	 ı —1F		7		

080202	auto mobile retail											auto mobile retail
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
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
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
130109	other medical treatment											other medical treatment
130109	service											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
150104	cremation service																						cremation service
150105	livestock process service																						livestock process service
150109	other cleaning and livestock process service																						other cleaning and livestock process service
160101	public office																						public office
170201	security service																						security service
170202	information processing																						information processing
	service																						service
	total		194	204	174	146	162	108	119	121	90	104	97	73	73	69	75	95	76	71	84	2,135	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