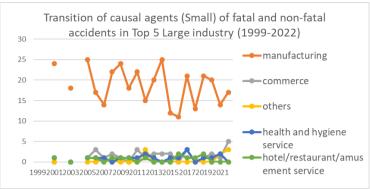
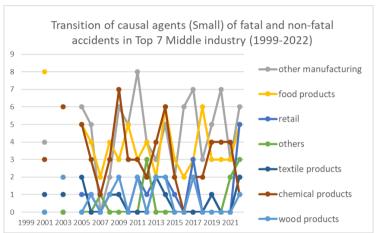
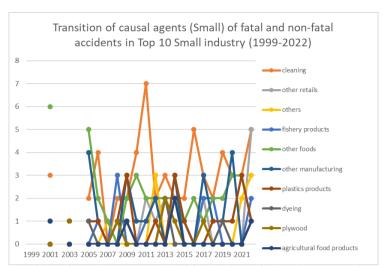
Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 342 industrial dryer (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 342 industrial dryer in Large industry (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 342 industrial dryer in Middle Industry (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 342 industrial dryer in Small Industry (1999-2022)

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 342 industrial dryer in Large industry (1999-2022)

	tion of causar agents (Sman) of fat																	1		1		1	1	1	1	1	1
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	2022	total	Large industry
01	manufacturing			24		18		25	17	14	22	24	18	22	15	20	25	12	11	21	13	21	20	14	17	373	manufacturing
08	commerce							1	3	1	2	1		3	1	2	2	2		3		1	2	1	5	30	commerce
17	others									1					3									2	3	9	others
13	health and hygiene service			1				1	1	1		1	1	1	2	1		1	1	3		1	1	2		19	health and hygiene service
14	hotel/restaurant/amusement service			1				1	1		1	1	1		1				2	1	1	2				13	hotel/restaurant/amusement service
03	construction					1		1	1	1		1	1			2			1				1	1		11	construction
15	commercial cleaning and livestock process			1		1		1	1	1									1		1	3		1		11	commercial cleaning and livestock process
06	agriculture			1						1								1					1	1		5	agriculture
07	livestock/fishery			1						1		1			1					1						5	livestock/fishery
05	cargo handling service																				1					1	cargo handling service
02	mining																										mining
04	transportation service																										transportation service
09	financial business/advertisement																										financial business/advertisement
10	movie/play service																										movie/play service
11	telecommunication service																										telecommunication service
12	education/research service																										education/research service
16	public office																										public office
	total			29		20		30	24	21	25	29	21	26	23	25	27	16	16	29	16	28	25	22	25	477	total

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 342 industrial dryer in Middle industry (1999-2022)

code	Middle industry	1999	2000	2001	2002	2003	2004	2005	2006	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	Middle industry	

0117 other manufacturing		4	1	6	5		$\ 2$	6	5	8	4	3	 5	2	6	7	3	5	7	3	6	88	other manufacturing
0101 food products		8	2	5	4	2	4	3	5	3	4	2	6	3	2	3	6	3	3	3	5	76	food products
0802 retail				1	1		1	1		2	1	2	2	1		3		1			5	21	retail
1702 others						1					3									2	3	9	others
0102 textile products		1	1	2			1	1				2	1					1			2	12	textile products
0108 chemical products		3	6	5	3	1	3	7	3	3	2	4	6	2		2	2	4	4	4	1	65	chemical products
0104 wood products			2		1		1	2		2		2	2			2					1	15	wood products
0114 electrical equipment products			2				3			2			1			2			2	1	1	14	electrical equipment products
0106 pulp/paper processing products											1								1		1	3	pulp/paper processing products
0112 metal products		2	2			6	3	2	3	1	1	3	2			2		3	1			31	metal products
0113 machine products		2		4	1		2	1		2		1	1	2	1	2	1	1		1		22	machine products
0109 sand and stone products		2	2	1	2		1		2	1		2			2		1	1		1		18	sand and stone products
1302 social welfare facility				1	1	1			1		1	1			1	3		1	1	2		14	social welfare facility
commercial cleaning and livestock process		1	1	1	1	1									1		1	3		1		11	commercial cleaning and livestock process
0110 steel making				1		1	1	2			3	1				1						10	steel making
0303 other construction works			1	1	1	1		1	1			1			1					1		9	other construction works
0115 transport equipment products				1	1	1	1						1	1				1	1			8	transport equipment products
0801 wholesale					2	1	1							1					2	1		8	wholesale
1402 restaurant		1			1		1	1			1					1	1	1				8	restaurant
0111 nonferrous metal making		2				2								2				1				7	nonferrous metal making
0601 agriculture		1				1								1					1	1		5	agriculture
0701 livestock		1				1		1			1					1						5	livestock
1301 medical treatment service								1		1	1											3	medical treatment service
1401 hotel				1					1									1				3	hotel
0103 fiber products						1												1				2	fiber products
0107 printing/bookbinding																			1	1		2	printing/bookbinding
0302 construction work												1							1			2	construction work
1303 other health and hygiene service		1												1								2	other health and hygiene service
1403 other amusement service															2							2	other amusement service
0502 harbor transportation service																	1					1	harbor transportation service
0804 other commerce										1												1	other commerce
0105 furniture																							furniture
0116 electric/gas/water service																							electric/gas/water service
IC IC	 		 	 						\neg						1						$\overline{}$	

0201	coal mining																							coal mining
0202	quarrying																							quarrying
0203	other mining																							other mining
0301	civil engineering work																							civil engineering work
0401	railroad/water transportation/airline service																							railroad/water transportation/airline service
0402	road passenger transport service																							road passenger transport service
0403	road cargo transportation service																							road cargo transportation service
0404	other transportation service																							other transportation service
0501	land cargo handling service																							land cargo handling service
0602	forestry																							forestry
	fishery																							fishery
	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
1201	education/research service																							education/research service
1601	public office																							public office
1701	dispatch service																							dispatch service
	total		29	20	30	24	21	25	29	21	26	23	25	27	16	16	29	16	28	25	22	25	477	total

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 342 industrial dryer in Small industry (1999-2022)

								1																	1		
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	2022	total	Small industry
011703	cleaning			3		1		2	4		2	2	4	7	2	3	2	2	5	3	2	4	3	3	5	59	cleaning
080209	other retails							1	1		1	1		2	1	2	2	1		2		1			5	20	other retails
170209	others									1					3									2	3	9	others
010102	fishery products			1		1			1		3			1	2		2	1		2	2				2	18	fishery products
010109	other foods			6		1		5	2	1		2	3	2	2	2	2	1	2	1	2	2	3	3	1	43	other foods
011709	other manufacturing							4	1			3	1	1	2		3			3	1	1	4		1	25	other manufacturing
010805	plastics products					1		1	1		1	3			1		3	1			1	1	1	3	1	19	plastics products
010204	dyeing					1		1			1	1				2						1			1	8	dyeing
010402	plywood					1					1					2	1			1					1	7	plywood
010103	agricultural food products			1								1					2								1	5	agricultural food products
010209	other textile products			1				1																	1	3	other textile products
011402	electrical appliance																						1	1	1	3	electrical appliance

010601 pulp/paper																			1		1	2	pulp/paper
010101 meat/dairy products																					1	1	meat/dairy products
011209 other metal products		2	2			3	3	1	2	1	1		1			2		2				20	other metal products
011301 machine products		2		4	1		1	1		1		1	1	1	1	2		1		1		18	machine products
010801 non organic or organic chemical products		2	3	1	2	1	1			1		2	1			1			1			16	non organic or organic chemical products
130201 social welfare facility				1	1	1			1		1	1			1	3		1	1	2		14	social welfare facility
010104 bread/cake products					1	1			2					1			2	1				8	bread/cake products
011204 metal plating products						2			1			3						1	1			8	metal plating products
011002 casting products						1	1	1			3	1										7	casting products
011502 auto mobile products				1		1	1						1	1				1	1			7	auto mobile products
010806 rubber products		1	1				1	1					1			1						6	rubber products
010899 other chemical products				1				1	1					1				1	1			6	other chemical products
010909 other sand and stone products									1	1		1			1			1		1		6	other sand and stone products
011109 other nonferrous metal products		1				2								2				1				6	other nonferrous metal products
011409 other electrical equipment					İ		İ			2			1			2			1			6	other electrical equipment
030302 machinery/apparatus setting work			1		1				1			1			1					1		6	machinery/apparatus setting work
080109 other wholesale					2	1							İ	1					1	1		6	other wholesale
150101 building maintenance service			1	1		1	İ										1	2				6	building maintenance service
010409 other lumber and wood products			1		1			2		1												5	other lumber and wood products
010809 chemical fertilizer products				1				1	1			1	i							1		5	chemical fertilizer products
060101 agriculture		1				1	İ							1					1	1		5	agriculture
070101 livestock		1			İ	1	İ	1			1		Ĭ			1						5	livestock
140201 general restaurant					1			1								1	1	1				5	general restaurant
010803 pharmaceuticals										1							1	1	1			4	pharmaceuticals
010807 leather products			1	1							1							1				4	leather products
010901 cement products		1	1	1													1					4	cement products
011305 other precision machine products							1			1				1			1					4	other precision machine products
electronics equipment and telecommunications apparatus			2				2															4	electronics equipment and telecommunications apparatus
010401 lumbering										1			1			1						3	lumbering
010904 fire resisting products					2										1							3	fire resisting products
011203 metal press products						1		1					1									3	metal press products
130101 hospital								1		1	1											3	hospital
140101 hotel				1					1									1				3	hotel
140209 other restaurants		1			İ		1				1											3	other restaurants
150103 other waste disposal service					1													1		1		3	other waste disposal service
010309 other fiber products						1												1				2	other fiber products

010802 chemical fiber									1			1								2	chemical fiber
010804 petroleum/coal products										1			1							2	petroleum/coal products
010903 pottery products			1				1													2	pottery products
010905 other ceramic products		1										1								2	other ceramic products
011001 steel/iron/rolling products								1								1				2	steel/iron/rolling products
011701 auto mobile servicing															1	1				2	auto mobile servicing
011702 machine repair		1						1												2	machine repair
030209 other building construction work												1						1		2	other building construction work
030309 other construction works				1		1														2	other construction works
140301 golf course															2					2	golf course
010105 alcoholic drinks							1													1	alcoholic drinks
010203 weaving													1							1	weaving
010602 paper processing products											1									1	paper processing products
010701 printing service																			1	1	printing service
010709 other printing and bookbinding																		1		1	other printing and bookbinding
010808 painting products								1												1	painting products
010902 glass products									1											1	glass products
011009 other steel products				1																1	other steel products
011101 nonferrous metals/rolling products		1																		1	nonferrous metals/rolling products
011401 heavy electrical equipment							1													1	heavy electrical equipment
other transport equipment products					1															1	other transport equipment products
030301 electricity/telecommunication work								1												1	electricity/telecommunication work
050202 port cargo handling service																	1			1	port cargo handling service
080101 all kinds of wholesale							1													1	all kinds of wholesale
080102 furniture/fittings wholesale																		1		1	furniture/fittings wholesale
080201 all kinds of retail																1				1	all kinds of retail
080409 other commerce										1										1	other commerce
130301 bathhouse														1						1	bathhouse
other health and hygiene service		1																		1	other health and hygiene service
150102 industrial waste management service															1					1	industrial waste management service
other cleaning and livestock process service		1																		1	other cleaning and livestock process service
010106 soft drinks																					soft drinks
010201 silk-reeling																					silk-reeling
010202 cotton-spinning																					cotton-spinning
010301 over/under wear																					over/under wear
010501 wood furniture																					wood furniture

010502 metal furniture																					metal furniture
010503 fittings																					fittings
010509 other furniture																					other furniture
010609 other pulp/paper processing products																					other pulp/paper processing products
010702 bookbinding																					bookbinding
011102 nonferrous metals casting products																					nonferrous metals casting products
011201 western tableware/cutting tool products																					western tableware/cutting tool products
011202 screw products																					screw products
011302 measuring instruments																					measuring instruments
011303 optical instruments																					optical instruments
011304 watch products																					watch products
011501 ship building																					ship building
011503 railway vehicle products																					railway vehicle products
011601 electric utility service																					electric utility service
011602 city gas service															i		Ti	Ti			city gas service
011603 city water service																					city water service
other electric/gas/water service																		ĺ			other electric/gas/water service
011704 tobacco products		$\overline{\Box}$						\Box							i		Ti	Ti			tobacco products
020101 general coal mining								m													general coal mining
020109 other coal mining	$\overline{\Box}$	$\overline{\Box}$						一							i						other coal mining
020201 quarrying								m							i						quarrying
020202 gravel digging								П							i	$\overline{}$					gravel digging
020209 other quarrying			İ					П							i	$\overline{}$	<u> </u>			=	other quarrying
020301 metal mining								П													metal mining
020302 petroleum mining		П	i					П		\Box		一		\Box	i	\equiv	<u> </u>				petroleum mining
020309 other mining								П													other mining
030101 hydroelectric plant construction work																					hydroelectric plant construction work
030102 tunnel construction work								\Box							i		i	Ti			tunnel construction work
030103 subway construction work								$\overline{}$													subway construction work
030104 railway construction work	$\overline{\Box}$							一							i						railway construction work
030105 bridge construction work	\Box	\Box	i		\Box	H	H	H		\Box		一	\Box	\Box			<u> </u>	T		=	bridge construction work
030106 road construction work	一	一	i		\Box	H	H	H	\Box	\equiv	\Box	一	\equiv	一				 			road construction work
030107 river civil engineering work	一	H	iT			H	П	H		H		H	H	一		$\overline{}$	<u> </u>	T	T		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
030199	other civil engineering work					一						T		i	other civil engineering
	steel frame/reinforced concrete house construction work														steel frame/reinforced concrete house construc- work
030202	wooden house construction work														wooden house construct work
030203	building facility construction work														building facility constru work
040101	railroad service														railroad service
040102	water transportation service														water transportation ser
040103	airline service														airline service
040201	taxi service														taxi service
040202	bus service														bus service
040209	other passenger transport service														other passenger transposervice
040301	general truck transportation service														general truck transporta
040302	specific truck transportation service														specific truck transporta
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 ser
050101	land cargo handling service														land cargo handling ser
050201	general harbor transportation service														general harbor transpor service
050209	other harbor transportation service														other harbor transportat
060201	lumbering														lumbering
060209	other forestry														other forestry
070201	fishery														fishery
070209	other fishery									ĺ					other fishery
080202	auto mobile retail						ĺ			ĺ					auto mobile retail
080203	furniture/fittings retail														furniture/fittings retail
	fuel retail			i			i		i	i				i	fuel retail
080205	newspaper retail														newspaper retail
080301	haircut														haircut
080302	beauty salon		i	Ti					Ti	T		T		i	beauty salon
	warehousing			Ti					Ti	ij				أأأأ	warehousing
090101	banking/trust business			i			i		i	i				i	banking/trust business
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
090209	other advertisement and mediator																							other advertisement and mediator
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
110101	telecommunication service																							telecommunication service
120101	auto mobile practical training																							auto mobile practical training
120102	software service																							software service
120109	other education/research service																							other education/research service
130102	general clinic																							general clinic
130109	other medical treatment service																							other medical treatment service
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
160101	public office																							public office
170101	dispatch service																							dispatch service
170201	security service																							security service
170202	information processing service																							information processing service
	total		29	20	30	24	21	25	29	21	26	23	25	27	16	16	29	16	28	25	22	25	477	total

Data source: https://anzeninfo.mhlw.go.jp/user/anzen/tok/anst00.html (MHLW, Japan)

https://www.jisha.or.jp/english/statistics/202311_12.html