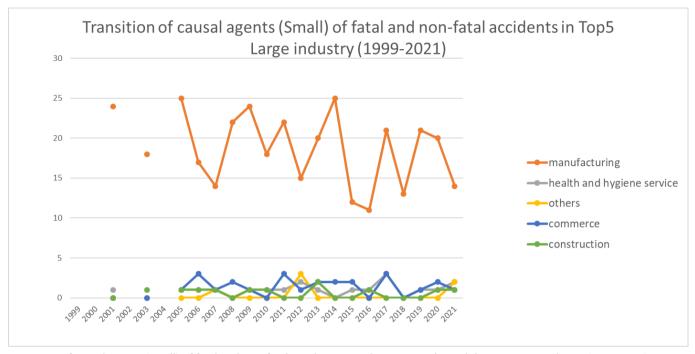
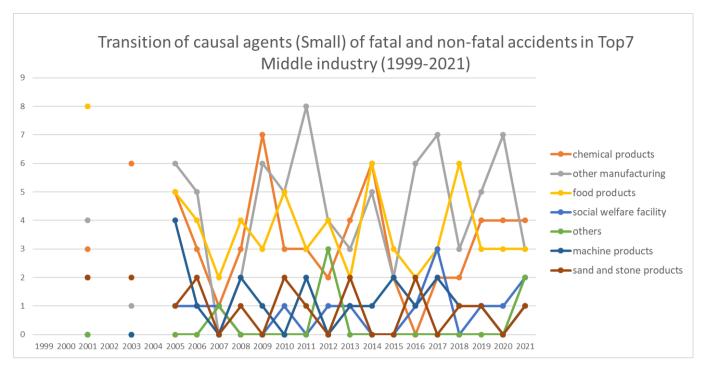
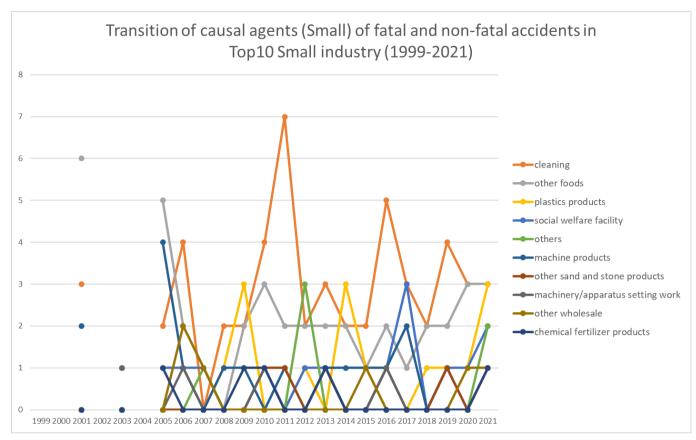
Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 342 industrial dryer (1999-2021)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 342 industrial dryer in Large industry (1999-2021)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 342 industrial dryer in Middle Industry (1999-2021)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 342 industrial dryer in Small Industry (1999-2021)

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 342 industrial dryer 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			24		18		25	17	14	22	24	18	22	15	20	25	12	11	21	13	21	20	14	356	manufacturing
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
17	others									1					3									2	6	others
08	commerce							1	3	1	2	1		3	1	2	2	2		3		1	2	1	25	commerce
03	construction					1		1	1	1		1	1			2			1				1	1	11	construction
15	commercial cleaning and			1		1		1	1	1									1		1	2		1	11	commercial cleaning and
	livestock process			<u> </u>															ı		1	3		ı		livestock process
06	agriculture			1						1								1					1	1	5	agriculture

14	hotel/restaurant/amusement service		1		1	1		1	1	1		1				2	1	1	2			13	hotel/restaurant/amusement
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																						financial
09	business/advertisement																						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	452	total

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 342 industrial dryer 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			3		6		5	3	1	3	7	3	3	2	4	6	2		2	2	4	4	4	64	chemical products
0117	other manufacturing			4		1		6	5		2	6	5	8	4	3	5	2	6	7	3	5	7	3	82	other manufacturing
0101	food products			8		2		5	4	2	4	3	5	3	4	2	6	3	2	3	6	3	3	3	71	food products
1302	social welfare facility							1	1	1			1		1	1			1	3		1	1	2	14	social welfare facility
1702	others									1					3									2	6	others
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
0114	electrical equipment products					2					3			2			1			2			2	1	13	electrical equipment

\vdash		 _		-	-	-	-	\vdash		-	-														ļI
1501	commercial cleaning and livestock process		1		1		1	1	1									1		1	3		1	11	commercial cleaning and livestock process
0303	other construction works				1		1	1	1		1	1			1			1					1	9	other construction works
0801	wholesale							2	1	1							1					2	1	8	wholesale
0601	agriculture		1						1								1					1	1	5	agriculture
0107	printing/bookbinding																					1	1	2	printing/bookbinding
0112	metal products		2		2				6	3	2	3	1	1	3	2			2		3	1		31	metal products
0802	retail						1	1		1	1		2	1	2	2	1		3		1			16	retail
0104	wood products				2			1		1	2		2		2	2			2					14	wood products
0102	textile products		1		1		2			1	1				2	1					1			10	textile products
0110	steel making						1		1	1	2			3	1				1					10	steel making
0115	transport equipment products						1	1	1	1						1	1				1	1		8	transport equipment products
1402	restaurant		1					1		1	1			1					1	1	1			8	restaurant
0111	nonferrous metal making		2						2								2				1			7	nonferrous metal
0701	livestock		1						1		1			1					1					5	livestock
1301	medical treatment service										1		1	1										3	medical treatment
1401	hotel						1					1									1			3	hotel
0103	fiber products								1												1			2	fiber products
0106	pulp/paper processing products													1								1		2	pulp/paper processing products
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
0201	coal mining														coal mining
0202	quarrying														quarrying
0203	other mining														other mining
0301	civil engineering work														civil engineering wor
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
0702	fishery														fishery
0803	haircut/beauty salon														haircut/beauty salon
0901	financial business														financial business

0003	advertisement and mediator																						advertisement and
0902	auvertisement and mediator																						mediator
1001	movie/play service																						movie/play service
1101	telecommunication service																						telecommunication
1101	telecommunication service																						service
1201	education/research service																						education/research
1201	education/research service																						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	452	total

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 342 industrial dryer 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	tota	Small industry
011703	cleaning			3		1		2	4		2	2	4	7	2	3	2	2	5	3	2	4	3	3	54	cleaning
010109	other foods			6		1		5	2	1		2	3	2	2	2	2	1	2	1	2	2	3	3	42	other foods
010805	plastics products					1		1	1		1	3			1		3	1			1	1	1	3	18	plastics products
130201	social welfare facility							1	1	1			1		1	1			1	3		1	1	2	14	social welfare facility
170209	others									1					3									2	6	others
011301	machine products			2				4	1		1	1		1		1	1	1	1	2		1		1	18	machine products
010909	other sand and stone												1	1		1			1			1		1	6	other sand and stone
	products												'	<u> </u>		<u> </u>			<u> </u>			<u> </u>		<u> </u> '		products
030302	machinery/apparatus setting					1			1				1			1			1					1	6	machinery/apparatus setting
	work																		l.					ľ		work
080109	other wholesale								2	1								1					1	1	6	other wholesale
010809	chemical fertilizer products							1				1	1			1								1	5	chemical fertilizer products
060101	agriculture agriculture			1						1								1					1	1	5	agriculture

150103	other waste disposal service					1												1		1	3	other waste disposal service
011402	electrical appliance																		1	1	2	electrical appliance
010701	printing service																			1	1	printing service
011709	other manufacturing				4	1			3	1	1	2		3		3	1	1	4		24	other manufacturing
011209	other metal products		2	2			3	3	1	2	1	1		1		2		2			20	other metal products
010102	fishery products		1	1		1		3			1	2		2	1	2	2				16	fishery products
010801	non organic or organic chemical products		2	3	1	2	1	1			1		2	1		1			1		16	non organic or organic
080209	other retails				1	1		1	1		2	1	2	2	1	2		1			15	other retails
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
010204	dyeing			1	1			1	1				2					1			7	dyeing
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
010402	plywood			1				1					2	1		1					6	plywood
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
011109	other nonferrous metal products		1				2								2			1			6	other nonferrous metal products
011409	other electrical equipment										2			1		2			1		6	other electrical equipment
150101	building maintenance service			1	1		1										1	2			6	building maintenance service
010409	other lumber and wood products			1		1			2		1										5	other lumber and wood products
070101	livestock		1				1		1			1				1					5	livestock
140201	general restaurant					1			1							1	1	1			5	general restaurant
010103	agricultural food products		1						1					2							4	agricultural food products
010803	pharmaceuticals										1						1	1	1		4	pharmaceuticals

		\square	 <u> </u>	<u> </u>		\square		<u> </u>			<u> </u>		Щ	\square	\sqsubseteq		<u> </u>	<u> </u>	لـــــــــــــــــــــــــــــــــــــ		\mathbf{L}	\square	<u> </u>	<u> </u>
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
011403	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							1				1									3	other restaurants
010209	other textile products		1				1																2	other textile products
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
010601	pulp/paper																1	1	pulp/paper
010602	paper processing products										1							1	paper processing products
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
011509	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
130309	other health and hygiene service		1															1	other health and hygiene service
150102	industrial waste management service													1				1	industrial waste management service
150109	other cleaning and livestock		1															1	other cleaning and livestock

	process service													process service
010101	meat/dairy products													meat/dairy products
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													other pulp/paper processing
010009	products													products
010702	bookbinding													bookbinding
011102	nonferrous metals casting													nonferrous metals casting
	products													products
011201	western tableware/cutting													western tableware/cutting
	tool products													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													city gas service
011603	city water service													city water service
	other electric/gas/water													other electric/gas/water

011609	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
	engineering work												engineering work
030109	land consolidation civil												land consolidation civil
	engineering work										<u> </u>		engineering work
030110	water supply/sewage												water supply/sewage
	construction work										<u> </u>		construction work
030111	port/seaside construction												port/seaside construction
	work												work

030199	other civil engineering work												other civil engineering work
030201	steel frame/reinforced concrete house construction work												steel frame/reinforced concrete house construction work
030202	wooden house construction work												wooden house construction work
030203	building facility construction work												building facility construction work
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
040301	general truck transportation service												general truck transportation 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
	other harbor transportation												other harbor transportation

050209	service													service
060201	lumbering													lumbering
	other forestry													other forestry
070201	fishery													fishery
070209	other fishery													other fishery
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
050102	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
050205	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
120109	other education/research																						other education/research
	service																						service
130102	general clinic																						general clinic
130109	other medical treatment																						other medical treatment
	service																						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																						information processing
	service																						service
	total		29	20	30	24	21	25	29	21	26	23	25	27	16	16	29	16	28	25	22	452	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