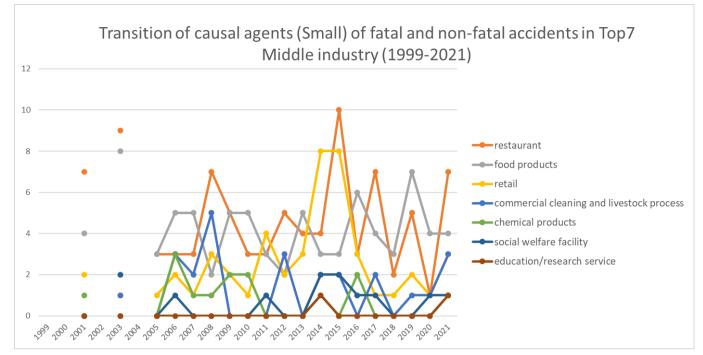
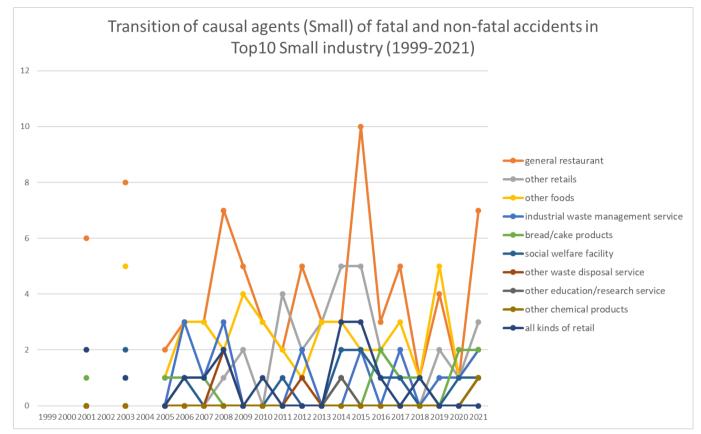


Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 349 other kiln, caldron in Large industry (1999-2021)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 349 other kiln, caldron in Middle Industry (1999-2021)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 349 other kiln, caldron in Small Industry (1999-2021)

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 349 other kiln, caldron 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
14	hotel/restaurant/amusement			7		10		4	4	Δ	8	5	4	2	7	4	6	13	Δ	7	3	7	1	7	108	hotel/restaurant/amusement
	service			<u> </u>				т 			0	5	т	5			Ū			/	5	/	1	/		service
01	manufacturing			16		18		6	15	15	7	13	8	7	6	9	7	10	19	8	15	8	12	5	204	manufacturing
08	commerce			3		1		1	3	1	3	2	1	4	2	3	8	8	4	1	2	2	1	3	53	commerce
15	commercial cleaning and					1			2	2	5				2		2	2		2		1	1	2	25	commercial cleaning and
	livestock process								5	2							2	2		2			ľ		25	livestock process
13	health and hygiene service			2		2			2	1		1	1	1	1	2	3	2	1	1	1	1	1	1	24	health and hygiene service
12	education/research service																1							1	2	education/research service

03	construction		1	4	1	3		1	3	1			2	2		1		1	2	1		23	construction
17	others			1		1	1		1		2			1			1					8	others
04	transportation service										1						2					3	transportation service
05	cargo handling service									1							1					2	cargo handling service
06	agriculture															1						1	agriculture
09	financial		1																			1	financial
	business/advertisement																					Ľ	business/advertisement
02	mining																						mining
07	livestock/fishery																						livestock/fishery
10	movie/play service																						movie/play service
11	telecommunication service																						telecommunication service
16	public office																						public office
	total		30	37	12	31	24	24	25	16	18	19	20	30	35	30	23	22	21	17	20	454	total

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 349 other kiln, caldron 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
1402	restaurant			7		9		3	3	3	7	5	3	3	5	4	4	10	3	7	2	5	1	7	91	restaurant
0101	food products			4		8		3	5	5	2	5	5	3	2	5	3	3	6	4	3	7	4	4	81	food products
0802	retail			2		1		1	2	1	3	2	1	4	2	3	8	8	3	1	1	2	1	3	49	retail
1501	commercial cleaning and livestock process					1			3	2	5				3		2	2		2		1	1	3	25	commercial cleaning and livestock process
0108	chemical products			1					3	1	1	2	2				1		2					1	14	chemical products
1302	social welfare facility					2			1					1			2	2	1	1			1	1	12	social welfare facility
1201	education/research service																1							1	2	education/research service
0110	steel making			1		1		1	2	2	2	2		1		2	1	2	3	1	1		2		24	steel making

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0111	nonferrous metal making			2	1	1	2	1			1	1	1		1	3	2		1	4	21	nonferrous metal making
0112	metal products		3	2					1		1	1		1	2			1			12	metal products
0113	machine products		1	4		1	1	1	1			1	1					1			12	machine products
1301	medical treatment service		2			1	1		1	1		1	2	1				1	1		12	medical treatment service
1401	hotel				1		1	1		1		1		2	2	1		1	1		12	hotel
0302	construction work			1		2			1	1			2	2						1	10	construction work
1702	others			1		1	1		1		2			1			1				8	others
0104	wood products					1	1		1					1				3			7	wood products
0115	transport equipment products		2				1		1			1				1		1			7	transport equipment products
0117	other manufacturing		2	1						1					1	1	1				7	other manufacturing
0303	other construction works			2		1		1								1		1	1		7	other construction works
0105	furniture						1								1	2		2			6	furniture
0109	sand and stone products		2		1	1	1													1	6	sand and stone products
0301	civil engineering work		1	1	1				2										1		6	civil engineering work
1403	other amusement service			1		1						1			1				1		5	other amusement service
0801	wholesale					1										1		1			3	wholesale
0102	textile products															1		1			2	textile products
0501	land cargo handling service									1							1				2	land cargo handling service
0103	fiber products																	1			1	fiber products
																						pulp/paper processing

0106	pulp/paper processing products	ľ													1	1	products
0107	printing/bookbinding													1			rinting/bookbinding
0114	electrical equipment products								1							1	electrical equipment products
0116	electric/gas/water service					1										1	electric/gas/water service
0401	railroad/water transportation/airline service												1			1	railroad/water transportation/airline service
0402	road passenger transport service												1			1	road passenger transport service
0403	road cargo transportation service								1							1	road cargo transportation service
0602	forestry											1				1	forestry
0804	other commerce		1													1	other commerce
0901	financial business		1													1	financial business
0201	coal mining																coal mining
0202	quarrying																quarrying
0203	other mining																other mining
0404	other transportation service																other transportation service
0502	harbor transportation service																harbor transportation service
0601	agriculture																agriculture
0701	livestock																livestock
0702	fishery																fishery
0803	haircut/beauty salon																haircut/beauty salon

0902	advertisement and mediator																						advertisement and
																							mediator
1001	movie/play service																						movie/play service
1101	telecommunication service																						telecommunication
	terecommunication service																						service
1303	other health and hygiene service																						other health and
	other health and hygiene service																						hygiene service
1601	public office																						public office
1701	dispatch service																						dispatch service
	total		30	37	12	31	24	24	25	16	18	19	20	30	35	30	23	22	21	17	20	454	total

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 349 other kiln, caldron 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
140201	general restaurant			6		8		2	3	3	7	5	3	2	5	3	3	10	3	5	1	4	1	7	81	general restaurant
080209	other retails							1	1		1	2		4	2	3	5	5	2	1		2	1	3	33	other retails
010109	other foods			2		5		1	3	3	2	4	3	2	1	3	3	2	2	3	1	5	1	2	48	other foods
150102	industrial waste management service					1			3	1	3				2			2		2		1	1	2	18	industrial waste management service
010104	bread/cake products			1		1		1	1	1									2	1	1		2	2	13	bread/cake products
130201	social welfare facility					2			1					1			2	2	1	1			1	1	12	social welfare facility
150103	other waste disposal service										2				1		1							1	5	other waste disposal service
120109	other education/research service																1							1	2	other education/research service
010899	other chemical products																							1	1	other chemical products
080201	all kinds of retail			2		1			1	1	2		1				3	3	1		1				16	all kinds of retail
011002	casting products					1		1	1	1	1	2				1		2	1		1		1		13	casting products

140101	hotel				1		1	1		1		1		2	2	1		1	1		12	hotel
011209	other metal products		3	2					1		1	1			2			1			11	other metal products
130101	hospital		2			1			1	1		1	2	1				1	1		11	hospital
011301	machine products			3		1	1	1	1			1	1					1			10	machine products
140209	other restaurants		1	1	1						1		1	1			2	1	1		10	other restaurants
010101	meat/dairy products					1			1		1	1	2					1	1	1	9	meat/dairy products
011001	steel/iron/rolling products					1	1	1			1		1			2	1				8	steel/iron/rolling products
011102	nonferrous metals casting products			1	1		1									3	1			1	8	nonferrous metals casting products
010103	agricultural food products		1	1	1		1			2						1					7	agricultural food products
011101	nonferrous metals/rolling products						1				1		1		1		1			2	7	nonferrous metals/rolling products
011109	other nonferrous metal products			1		1		1				1							1	1	6	other nonferrous metal products
170209	others					1			1		2			1			1				6	others
011502	auto mobile products		1				1		1			1				1					5	auto mobile products
011709	other manufacturing		2	1											1	1					5	other manufacturing
030209	other building construction work			1		2			1				1								5	other building construction work
030309	other construction works			1		1										1		1	1		5	other construction works
010409	other lumber and wood products						1		1									2			4	other lumber and wood products
010501	wood furniture														1	2		1			4	wood furniture
010801	non organic or organic chemical products					2			1							1					4	non organic or organic chemical products
010809	chemical fertilizer products		1			1				2											4	chemical fertilizer products
010805	plastics products								1					1		1					3	plastics products

011009	other steel products		1										1						1	3	other steel products
030199	other civil engineering work		1						1									1		3	other civil engineering work
140301	golf course				ŀ	1					1							1		3	golf course
010102	fishery products			1														1		2	fishery products
010105	alcoholic drinks													1	1					2	alcoholic drinks
010402	plywood												1				1			2	plywood
010806	rubber products						1	1												2	rubber products
010901	cement products					1	1													2	cement products
010909	other sand and stone products		2																	2	other sand and stone products
011703	cleaning									1						1				2	cleaning
030106	road construction work			1					1											2	road construction work
030202	wooden house construction work									1			1							2	wooden house construction work
030203	building facility construction work											1							1	2	building facility construction work
030302	machinery/apparatus setting work			1				1												2	machinery/apparatus setting work
050101	land cargo handling service									1						1				2	land cargo handling service
080109	other wholesale				ŀ	1											1			2	other wholesale
140309	other amusement service			1										1						2	other amusement service
150101	building maintenance service						1						1							2	building maintenance service
010202	cotton-spinning																1			1	cotton-spinning
010204	dyeing														1					1	dyeing
010309	other fiber products																1			1	other fiber products
010401	lumbering				ŀ	1														1	lumbering
010503	fittings						1													1	fittings

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010509	other furniture																1			1	other furniture
010601	pulp/paper																	1		1	pulp/paper
010701	printing service																1			1	printing service
010902	glass products																	1		1	glass products
010903	pottery products						1													1	pottery products
011203	metal press products													1						1	metal press products
011303	optical instruments			1															•	1	optical instruments
011305	other precision machine products				1															1	other precision machine products
011403	electronics equipment and telecommunications apparatus											1								1	electronics equipment and telecommunications apparatus
11501	ship building			1																1	ship building
011509	other transport equipment products																1			1	other transport equipment products
)11609	other electric/gas/water service							1												1	other electric/gas/water service
30109	land consolidation civil engineering work						1													1	land consolidation civil engineering work
30201	steel frame/reinforced concrete house construction work													1					,		steel frame/reinforced concrete house construction work
40103	airline service															1				1	airline service
40201	taxi service															1				1	taxi service
40301	general truck transportation service											1								1	general truck transportation service
060209	other forestry														1					1	other forestry

080101	all kinds of wholesale										1			1	all kinds of wholesale
080401	warehousing	1												1	warehousing
090109	other financial business	1												1	other financial business
130102	general clinic					1								1	general clinic
170201	security service					1								1	security service
170202	information processing service			1										1	information processing service
010106	soft drinks														soft drinks
010201	silk-reeling														silk-reeling
010203	weaving														weaving
010209	other textile products														other textile products
010301	over/under wear														over/under wear
010502	metal furniture														metal furniture
010602	paper processing products														paper processing products
010609	other pulp/paper processing products														other pulp/paper processing products
010702	bookbinding														bookbinding
010709	other printing and bookbinding														other printing and bookbinding
010802	chemical fiber														chemical fiber
010803	pharmaceuticals														pharmaceuticals
010804	petroleum/coal products														petroleum/coal products
010807	leather products														leather products
010808	painting products														painting products
010904	fire resisting products														fire resisting products
010905	other ceramic products														other ceramic products

011201	western tableware/cutting tool products	western tableware/cutting tool products
011202	screw products	screw products
011204	metal plating products	metal plating products
011302	measuring instruments	measuring instruments
011304	watch products	watch products
011401	heavy electrical equipment	heavy electrical equipment
011402	electrical appliance	electrical appliance
011409	other electrical equipment	other electrical equipment
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
011701	auto mobile servicing	auto mobile servicing
011702	machine repair	machine repair
011704	tobacco products	tobacco products
020101	general coal mining	general coal mining
020109	other coal mining	other coal mining
020201	quarrying	quarrying
20202	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 construction work	hydroelectric plant construction work

030102	tunnel construction work									tunnel construction work
30103	subway construction work									subway construction work
030104	railway construction work									railway construction work
030105	bridge construction work									bridge construction work
030107	river civil engineering work									river civil engineering work
030108	sand collapse prevention civil engineering work									sand collapse prevention civil engineering work
030110	water supply/sewage construction work									water supply/sewage construction work
030111	port/seaside construction work									port/seaside construction work
030301	electricity/telecommunication work									electricity/telecommunication work
040101	railroad service									railroad service
040102	water transportation service									water transportation 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
050201	general harbor transportation service									general harbor transportation service

050202	2 port cargo handling service		port cargo handling service
050209	other harbor transportation		other harbor transportation service
060101	1 agriculture		agriculture
060201	1 lumbering		lumbering
070101	1 livestock		livestock
070201	1 fishery		fishery
070209	9 other fishery		other fishery
080102	2 furniture/fittings wholesale		furniture/fittings wholesale
080202	2 auto mobile retail		auto mobile retail
080203	3 furniture/fittings retail		furniture/fittings retail
080204	4 fuel retail		fuel retail
080205	5 newspaper retail		newspaper retail
080301	1 haircut		haircut
080302	2 beauty salon		beauty salon
080409	9 other commerce		other commerce
090101	1 banking/trust business		banking/trust business
090102	2 stock/commodity trade business		stock/commodity trade business
090103	3 insurance business		insurance business
090201	1 traveling service		traveling service
090209	other advertisement and mediator		other advertisement and mediator
100101	movie production and delivery service Image: Constraint of the service		movie production and delivery service
100102	2 movie theatre		movie theatre
100109	9 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
130109	other medical treatment service																						other medical treatment service
130301	bathhouse																						bathhouse
130309	other health and hygiene service																						other health and hygiene service
140302	park and amusement park																						park and amusement park
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
170101	dispatch service																						dispatch service
	total		30	37	12	31	24	24	25	16	18	19	20	30	35	30	23	22	21	17	20	454	total

Data source : <u>https://anzeninfo.mhlw.go.jp/user/anzen/tok/anst00.htm</u> (MHLW, Japan)

https://www.jisha.or.jp/english/statistics/202212_03.html