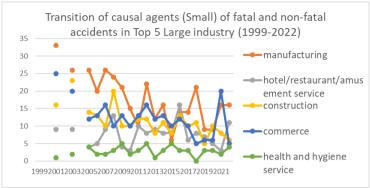
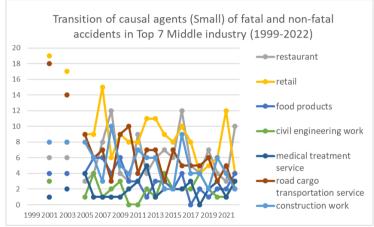
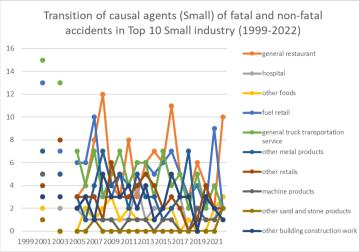
Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 319 other pressure vessels (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 319 other pressure vessels in Large industry (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 319 other pressure vessels in Middle Industry (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 319 other pressure vessels in Small Industry (1999-2022)

Transition of coursel acousts (Small) of fotal and non-fotal acoidants as and no. 210 at	has measure versals in Lance inductor $(1000, 2022)$
Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 319 oth	ner bressure vessels in Large monstry (1999-2022)
Transition of value (binan) of fault and non fault averaging as vous not bit of	pressure (essens in Earge industry (1999 2022)

code	Large industry	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	5 2017	2018	2019	2020	2021	2022	total	Large industry
01	manufacturing			33		26		26	20	26	24	21	15	10	22	12	16	6	14	14	21	9	9	16	16	356	manufacturing
14	hotel/restaurant/amusement service			9		9		4	5	9	13	4	3	10	8	9	8	8	16	6	8	7	5	3	11	155	hotel/restaurant/amusement service
03	construction			16		23		14	13	10	20	10	10	12	12	8	11	8	13	10	11	5	10	8	6	230	construction
08	commerce			25		20		12	13	16	10	13	10	13	16	12	13	10	12	10	5	6	6	20	5	247	commerce
13	health and hygiene service			1		2		4	2	2	3	5	2	3	5	1	3	5	3	3		3	3	2	4	56	health and hygiene service
04	transportation service			18		14		10	6	7	4	9	10	4	8	7	5	7	5	5	5	6	4	5	3	142	transportation service
17	others			4		8		3	3	2	3	3	1	3	2	4	1	1	1		4	1	3	1	1	49	others
15	commercial cleaning and livestock process			7		1		2		3	4	3	1	5	2	5	1	1	1			1			1		commercial cleaning and livestock process
10	movie/play service												1				1	1						1	1	5	movie/play service
05	cargo handling service			3		1			1	1		2					1				1			1		11	cargo handling service
07	livestock/fishery										1			1		1	1			1						5	livestock/fishery
12	education/research service			1		1		1																		3	education/research service
06	agriculture																1						1			2	agriculture
09	financial business/advertisement											1					1									2	financial business/advertisement
02	mining												1													1	mining
11	telecommunication service																										telecommunication service
16	public office																										public office
	total			117		105		76	63	76	82	71	54	61	75	59	63	47	65	49	55	38	41	57	48	1,302	total

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 319 other pressure vessels in Middle industry (1999-2022)

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	2022	total	Middle industry
1402 restaurant		6	6		6		3	4	8	12	4	3	9	4	6	7	6	12	5	4	7	4	3	10	123	restaurant

0802	retail		19	17	9	9	15	6	9	8	8	11	11	9	8	10	8	4	5	6	12	4	188	retail
0101	food products		4	4	4	6	6	4	6	3	3	1	3	3	2	4		2	1	2	2	4	64	food products
0301	civil engineering work		3	8	1	4	1	2	3			2	1	4	2	2	2	4	2	1	1	3	46	civil engineering work
1301	medical treatment service		1	2	4	1	1	1	1	2	3	5	1	2	2	2	3		2	3	1	3	40	medical treatment service
0403	road cargo transportation service		18	14	9	6	7	3	9	10	4	7	7	3	7	5	5	5	6	3	5	2	135	road cargo transportation service
0302	construction work		8	8	8	6	3	10	5	4	7	6	6	2	2	9	4	4	2	6	4	2	106	construction work
	metal products		7	6	4	1	4	8	4	5	2	5	3	4	1	3	3	7		3	2	2	74	metal products
0108	chemical products	ŀ	4	2	2		4	3	3	1	1	3	1	1	1	3	3	3	2	1	5	2	45	chemical products
0113	machine products		5	1	2	3	1	1	1	1	1	1	1		1	1	1	1	4	1	1	2	30	machine products
0109	sand and stone products		1	1	1	1	2					1		1				1				2	11	sand and stone products
0303	other construction works		5	7	5	3	6	8	2	6	5	4	1	5	4	2	4	3	1	3	3	1	78	other construction works
1702	others		4	8	3	3	2	3	2	1	3	2	4	1	1	1		4	1	3	1	1	48	others
0117	other manufacturing		6	6	5	3	2	3	2			4	2	4		2	2	3	1	1		1	47	other manufacturing
0801	wholesale		5	3	2	2	1	3	1	2	2	3	1	3	1	1	1	1			5	1	38	wholesale
1501	commercial cleaning and livestock process	,	7	1	2		3	4	3	1	5	2	5	1	1	1			1			1	38	commercial cleaning and livestock process
0115	transport equipment products		4	3	2		1	2	2	1	1	2	1				4	1	1		2	1	28	transport equipment products
1403	other amusement service			1	1	1		1			1	4	3		1	1		3		1		1	19	other amusement service
1302	social welfare facility					1	1	1						1	2				1			1	8	social welfare facility
1001	movie/play service									1				1	1						1	1	5	movie/play service
0105	furniture				1		1						1									1	4	furniture
0402	road passenger transport service				1			1				1										1	4	road passenger transport service
0103	fiber products					1																1	2	fiber products
0804	other commerce		1		1	2			3		3	2		1	1	1	1		1		2		19	other commerce
0116	electric/gas/water service			1	1	2	2		2	1		1		1		1		1		1	3		17	electric/gas/water service
1401	hotel		3	2			1							1	1	3	1	1					13	hotel
0501	land cargo handling service		3	1		1	1		2					1				1			1		11	land cargo handling service
0114	electrical equipment products					1		1	1	3		3			1								10	electrical equipment products
0110	steel making		1		1	1	1	1			1						1	2					9	steel making
1303	other health and hygiene service							1	4						1	1					1		8	other health and hygiene service
0106	pulp/paper processing products			 1			1				1	1									1		5	pulp/paper processing products
0111	nonferrous metal making		1		1		1	1															4	nonferrous metal making

0701	livestock										1		1	1			1						4	livestock
0102	textile products			1	1	1																	3	textile products
1201	education/research service		1	1	1																		3	education/research service
0104	wood products													2									2	wood products
	railroad/water transportation/airline service													2									2	railroad/water transportation/airline service
0601	agriculture													1						1			2	agriculture
0803	haircut/beauty salon							1													1		2	haircut/beauty salon
0901	financial business								1					1									2	financial business
0107	printing/bookbinding				1																		1	printing/bookbinding
0202	quarrying									1													1	quarrying
0404	other transportation service																			1			1	other transportation service
0702	fishery							1															1	fishery
1701	dispatch service								1														1	dispatch service
0201	coal mining																							coal mining
0203	other mining																							other mining
0502	harbor transportation service																							harbor transportation service
0602	forestry																							forestry
0902	advertisement and mediator																							advertisement and mediator
1101	telecommunication service																							telecommunication service
1601	public office																							public office
	total		117	105	76	63	76	82	71	54	61	75	59	63	47	65	49	55	38	41	57	48	1,302	total

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 319 other pressure vessels in Small industry (1999-2022)

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
140201	general restaurant			5		5		3	4	8	12	4	3	8	3	6	7	6	11	5	3	6	4	2	10	115	general restaurant
130101	hospital			1		2		2	1	1	1	1	1	1	4	1	2	2	2	3		1	1	1	3	31	hospital
010109	other foods			2					2	1	2	3	1	2	1	1	1	2	2		1			2	3	26	other foods
	fuel retail			13		7		6	6	10	3	3	5	4	6	6	5	6	7	5	3	4	2	9	2	112	fuel retail
040301	general truck transportation service			15		13		7	4	7	3	5	7	4	6	6	3	7	4	5	2	5	2	4	2	111	general truck transportation service
011209	other metal products			7		5		3	1	4	7	4	5	2	5	3	3	1	2	3	7		3	2	2	69	other metal products
080209	other retails			4		8		3	3	3	1	6	3	3	4	5	4	2	3	2		1	4	2	2	63	other retails
011301	machine products			5				2	3	1	1	1		1	1	1		1	1			2	1	1	2	24	machine products
	other sand and stone products			1						1															2	4	other sand and stone products
030209	other building construction work			3		3		2	3	1	5	3	3	4	2	4	1	2	5	3	3		3	2	1	53	other building construction work

030309	other construction works		4	4	4	3	4	5	2	3	2	3	1	5	2	2	1		1		2	1	49	other construction works
170209	others		4	8	3	3	2	3	1	1	2	2	4	1	1	1		4	1	3	1	1	46	others
080109	other wholesale		4	3	2	2	1	2		2	2	3	1	3	1	1		1			5	1	34	other wholesale
030201	steel frame/reinforced concrete house construction work		2	2	1		2	4	2		2	3	2			2	1			2	1	1	27	steel frame/reinforced concrete house construction work
030199	other civil engineering work		3	7	1	2	1		1			1		2			1	2		1		1	23	other civil engineering work
011701	auto mobile servicing		5	3	1	1	2		2					2		1	2	1				1	21	auto mobile servicing
150102	service		1	1	2			2		1	4	1	1		1	1						1	16	industrial waste management service
010801	non organic or organic chemical products			1			2	2	1	1	1	1		1		1		1	1		1	1	15	non organic or organic chemical products
011502	auto mobile products			2	1		1	1	2		1	1	1				1				1	1	13	auto mobile products
030106	road construction work			1		1		2						1	1			2	2			1	11	road construction work
130201	social welfare facility					1	1	1						1	2				1			1	8	social welfare facility
140301	golf course										1		1					1		1		1	5	golf course
010101	meat/dairy products				1	1		1														1	4	meat/dairy products
030111	port/seaside construction work								1				1								1	1	4	port/seaside construction work
100102	movie theatre									1				1	1							1	4	movie theatre
040202	bus service				1			1														1	3	bus service
010501	wood furniture						1															1	2	wood furniture
010309	other fiber products																					1	1	other fiber products
010804	petroleum/coal products													1								1	1	petroleum/coal products
030302	machinery/apparatus setting work		1	3	1		2	3		3	3	1			2		2	3		3	1		28	machinery/apparatus setting work
030203	building facility construction work		3	1	3	2		1						1		1		1	2	1	1		17	building facility construction work
080409	other commerce		1		1	2			2		3	1		1	1		1				2		15	other commerce
010104	bread/cake products		1	2	1	1	1		2	1				1		2		1		1			14	bread/cake products
011602	city gas service			1	1	2	2		1	1		1		1		1					3		14	city gas service
140309	other amusement service			1	1	1		1				4	2		1	1		2					14	other amusement service
	other manufacturing				3	1						2	2	2				1	1	1			13	other manufacturing
040302	specific truck transportation service		1	1	1	2			3	2			1					1	1				13	specific truck transportation service
140101			3	2			1							1	1	3	1	1					13	hotel
040309	other land cargo transportation service		2		1				1	1		1				1		2		1	1		11	other land cargo transportation service
050101	land cargo handling service		3	1		1	1		2					1				1			1		11	land cargo handling service
150101	building maintenance service		4						2		1		3	1									11	building maintenance service
	ship building		1	1				1		1							3	1	1		1		10	ship building
011702	machine repair			3	1			3				2						1					10	machine repair
010102	fishery products			1		1	3	1		1			1							1			9	fishery products
030202	wooden house construction work			2	2	1				1	1	1				1							9	wooden house construction work

080201 all kinds of retail	ii	2	<u> </u>	1	 ; <u> </u>	1		2	-	1	<u> </u>	1	; <u> </u>		<u> </u>		1					 9	-11 1-in 1f f t-i1
		2		1			2					1					1	1					all kinds of retail
010803 pharmaceuticals		1		1								1					2	1	1	1		8	pharmaceuticals
140209 other restaurants		1		1								1				1		1	1		1	8	other restaurants
010901 cement products				1	1	1						1		1				1				17	cement products
130109 other medical treatment service					2					1	1	1							1	1		7	other medical treatment service
130301 bathhouse									4						1	1					1	7	bathhouse
010805 plastics products		1										1				2					2	6	plastics products
011305 other precision machine products				1						1							1	1	2			6	other precision machine products
030110 water supply/sewage construction work						1			1			1		1		2						6	water supply/sewage construction work
150103 other waste disposal service		1						2	1			1	1									6	other waste disposal service
010106 soft drinks					1		1		1		1			1								5	soft drinks
010899 other chemical products								1	1						1		1		1			5	other chemical products
011009 other steel products		1				1		1			1						1					5	other steel products
electronics equipment and telecommunications apparatus										3		1										4	electronics equipment and telecommunications apparatus
011509 other transport equipment products		2			1							1										4	other transport equipment products
070101 livestock											1		1	1			1					4	livestock
080101 all kinds of wholesale		1						1	1								1					4	all kinds of wholesale
080202 auto mobile retail				1							1							1			1	4	auto mobile retail
080401 warehousing									1			1				1			1			4	warehousing
150109 other cleaning and livestock process service							3												1			4	other cleaning and livestock process service
010103 agricultural food products				1	i —		i						1						1			 3	agricultural food products
010105 alcoholic drinks		1			1	1																 3	alcoholic drinks
010601 pulp/paper						1	1					1									1	3	pulp/paper
010806 rubber products					2	i —	1					i —										3	rubber products
010809 chemical fertilizer products					i —		1						1								1	3	chemical fertilizer products
011109 other nonferrous metal products		1			1		1															3	other nonferrous metal products
011409 other electrical equipment					i —			1	1						1							3	other electrical equipment
120109 other education/research service		1		1	1																	3	other education/research service
010409 other lumber and wood products														2								2	other lumber and wood products
010602 paper processing products				1							1											2	paper processing products
010808 painting products		2				i —																2	painting products
011001 steel/iron/rolling products					1	i —	1					i —										2	steel/iron/rolling products
011002 casting products															\square			2				2	casting products
011201 western tableware/cutting tool products				1												1						2	western tableware/cutting tool products

	<u> </u>			 <u> </u>	1	<u> </u>	<u> </u>	<u> </u>	i — —	1						=	<u> </u>			<u> </u>		
011204 metal plating products				\square	1		\square														2	metal plating products
011402 electrical appliance		\square		\square			\square					1									2	electrical appliance
011601 electric utility service				\square					1									1			2	electric utility service
011703 cleaning						1										1					2	cleaning
060101 agriculture														1					 1		2	agriculture
080302 beauty salon								1												1	2	beauty salon
130102 general clinic											1								1		2	general clinic
170201 security service									1		1										2	security service
010202 cotton-spinning				1																	1	cotton-spinning
010203 weaving						1															1	weaving
010209 other textile products					1																1	other textile products
010301 over/under wear						1															1	over/under wear
010502 metal furniture					1																1	metal furniture
010509 other furniture													1								1	other furniture
010701 printing service					1																1	printing service
010802 chemical fiber																		1			1	chemical fiber
010807 leather products									1												1	leather products
011101 nonferrous metals/rolling products								1													1	nonferrous metals/rolling products
011203 metal press products								1													1	metal press products
011401 heavy electrical equipment												1									1	heavy electrical equipment
011503 railway vehicle products			1																		1	railway vehicle products
011609 other electric/gas/water service																			 1		1	other electric/gas/water service
011704 tobacco products			1																		1	tobacco products
020202 gravel digging										1											1	gravel digging
030104 railway construction work															1						1	railway construction work
030109 land consolidation civil engineering work																	1				1	land consolidation civil engineering work
030301 electricity/telecommunication work																	1				1	electricity/telecommunication work
040101 railroad service														1							1	railroad service
040102 water transportation service														1							1	water transportation service
040201 taxi service												1									1	taxi service
040409 other transportation service																			1		1	other transportation service
070209 other fishery								1													1	other fishery
090101 banking/trust business														1							1	banking/trust business
090103 insurance business									1												1	insurance business
100109 other movie/play service																				1	1	other movie/play service
130309 other health and hygiene service								1													1	other health and hygiene service
150105 livestock process service			1						i –												1	livestock process service
170101 dispatch service									1												1	dispatch service
	\vdash	\vdash		\vdash	\vdash	\vdash	\vdash							\vdash		\vdash	\vdash				1	1

010201 silk-reeling													silk-reeling
10204 dyeing													dyeing
10401 lumbering													lumbering
10402 plywood													plywood
10503 fittings													fittings
10609 other pulp/paper processing products													other pulp/paper processing products
010702 bookbinding													bookbinding
10709 other printing and bookbinding													other printing and bookbinding
010902 glass products													glass products
010903 pottery products				i									pottery products
10904 fire resisting products							i						fire resisting products
010905 other ceramic products							i						other ceramic products
011102 nonferrous metals casting products													nonferrous metals casting products
011202 screw products							i						screw products
011302 measuring instruments							i						measuring instruments
11303 optical instruments			\square				i						optical instruments
11304 watch products				i			i						watch products
11603 city water service							i						city water service
20101 general coal mining				i			i						general coal mining
20109 other coal mining			\square	i			i						other coal mining
20201 quarrying													quarrying
20209 other quarrying							i						other quarrying
20301 metal mining				i			i						metal mining
20302 petroleum mining			\square	i									petroleum mining
020309 other mining				i			i						other mining
)30101 hydroelectric plant construction work													hydroelectric plant construction work
030102 tunnel construction work				i			i						tunnel construction work
30103 subway construction work				i			i						subway construction work
30105 bridge construction work				i			i						bridge construction work
30107 river civil engineering work				imi			i					i	river civil engineering work
)30108 sand collapse prevention civil engineering work													sand collapse prevention civil engineering work
40103 airline service				j — j								j — I	airline service
40209 other passenger transport service													other passenger transport service
40303 cargo/ light automobile													cargo/ light automobile transportation service
50201 general harbor transportation service													general harbor transportation service
050202 port cargo handling service			\square										port cargo handling service

050209	other harbor transportation service																							other harbor transportation service
060201	lumbering																							lumbering
060209	other forestry																							other forestry
070201	fishery																							fishery
080102	furniture/fittings wholesale																							furniture/fittings wholesale
080203	furniture/fittings retail																							furniture/fittings retail
080205	newspaper retail																							newspaper retail
080301	haircut																							haircut
090102	stock/commodity trade business																							stock/commodity trade 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
110101	telecommunication service																							telecommunication service
120101	auto mobile practical training																							auto mobile practical training
120102	software service																							software service
140302	park and amusement park																							park and amusement park
150104	cremation service																							cremation service
160101	public office																							public office
170202	information processing service																							information processing service
	total		117	105	76	63	76	82	71	54	61	75	59	63	47	65	49	55	38	41	57	48	1,302	total

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

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