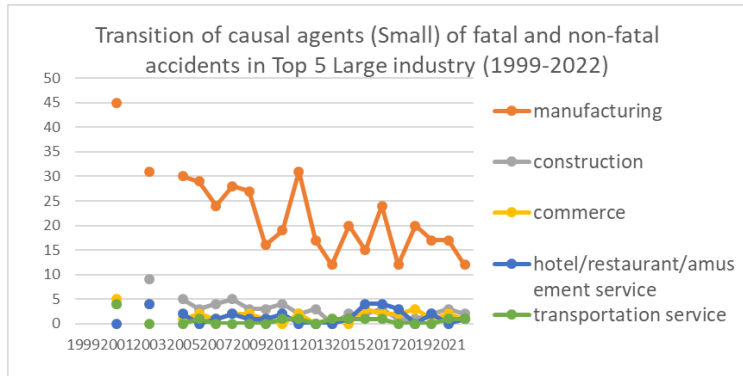
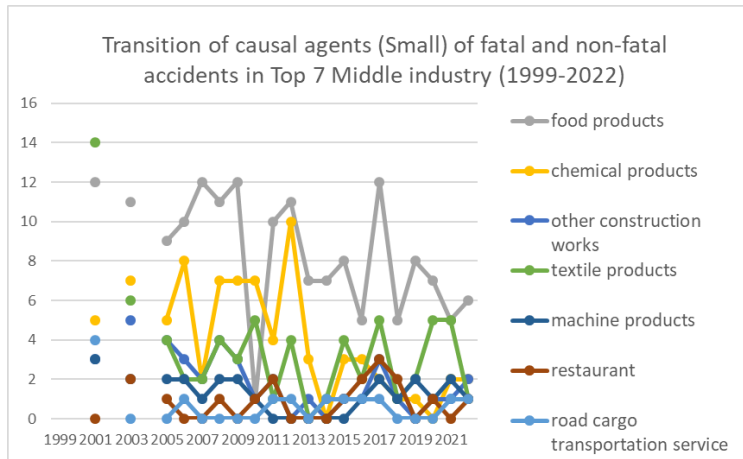


Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 312 pressure vessel (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 312 pressure vessel in Large industry (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 312 pressure vessel in Middle Industry (1999-2022)

080109	other wholesale					1															1				1	3	other wholesale
010801	non organic or organic chemical products			1		3		1	6	1	1	4	4		5	1		1	1							29	non organic or organic chemical products
011209	other metal products			2				2	1	1			2	1	1	1	2	2		1	3	1		2		22	other metal products
080209	other retails			2		1				1	1	2	1					1	1	1	3	1	1			16	other retails
150101	building maintenance service					1		2	1	3		1	2	1	1	3					1					16	building maintenance service
170209	others			3		1			1						1	2		1	2	3	2					16	others
010102	fishery products			2		1		1	1		3	1	1	1	2			1		1						15	fishery products
010104	bread/cake products			1				1	2	1	3	2				2		1			1	1				15	bread/cake products
030309	other construction works			2		1		1		1	2	1	1	1			1	1	2			1				15	other construction works
010106	soft drinks					2		2	1						2		1			2		2		1		13	soft drinks
010103	agricultural food products			1		1		1		3		3									1	1				11	agricultural food products
010899	other chemical products			1				1					3		1	1				2				1		10	other chemical products
011709	other manufacturing			1				1	2	1	1	1				2							1			10	other manufacturing
130101	hospital			1				1	1	1	1	1			1	1	1	2								10	hospital
011701	auto mobile servicing							1		1	1					1	1			1		1	1			8	auto mobile servicing
030209	other building construction work					2		1			1		1	1	1							1				8	other building construction work
010901	cement products			1		1		2		1		1					1									7	cement products
080204	fuel retail			2						1					1		1	1	1							7	fuel retail
140101	hotel					1		1		1		1						2		1						7	hotel
010105	alcoholic drinks							1	1		1				1		1			1						6	alcoholic drinks
010209	other textile products			1											2			2	1							6	other textile products
010803	pharmaceuticals					1		1				1		1	1						1					6	pharmaceuticals
011305	other precision machine products			1		1		1	1			1									1					6	other precision machine products
120109	other education/research service									1		2			2							1				6	other education/research service
010805	plastics products			1										2							1		1			5	plastics products
011703	cleaning													1			1	1	1		1					5	cleaning
150102	industrial waste management service					1								1			1	1				1				5	industrial waste management service
010203	weaving																	1	1		1	1				4	weaving
130109	other medical treatment service											1								1	2					4	other medical treatment service
130201	social welfare facility			1		1					1							1								4	social welfare facility
010309	other fiber products							1						1							1					3	other fiber products
010909	other sand and stone products			1													1					1				3	other sand and stone products
011403	electronics equipment and telecommunications apparatus							1							2											3	electronics equipment and telecommunications apparatus
011501	ship building			1												1					1					3	ship building
011702	machine repair							1										1				1				3	machine repair

030102	tunnel construction work					1						1								1			3	tunnel construction work	
030199	other civil engineering work								2											1			3	other civil engineering work	
030201	steel frame/reinforced concrete house construction work											1	1			1							3	steel frame/reinforced concrete house construction work	
030203	building facility construction work													2							1		3	building facility construction work	
070101	livestock							1							1			1					3	livestock	
080201	all kinds of retail					1			1								1						3	all kinds of retail	
080202	auto mobile retail			1		1			1														3	auto mobile retail	
140309	other amusement service					1												1			1		3	other amusement service	
010301	over/under wear			1								1											2	over/under wear	
010401	lumbering											1										1	2	lumbering	
010602	paper processing products			1													1						2	paper processing products	
010809	chemical fertilizer products							1															2	chemical fertilizer products	
011001	steel/iron/rolling products												1	1									2	steel/iron/rolling products	
011101	nonferrous metals/rolling products			1																	1		2	nonferrous metals/rolling products	
011401	heavy electrical equipment					1			1														2	heavy electrical equipment	
011509	other transport equipment products																				2		2	other transport equipment products	
020201	quarrying							1									1						2	quarrying	
060201	lumbering																1	1					2	lumbering	
080409	other commerce							1														1	2	other commerce	
130102	general clinic														1		1						2	general clinic	
010201	silk-reeling			1																			1	silk-reeling	
010202	cotton-spinning												1										1	cotton-spinning	
010409	other lumber and wood products																1						1	other lumber and wood products	
010502	metal furniture																				1		1	metal furniture	
010802	chemical fiber											1											1	chemical fiber	
010902	glass products																						1	glass products	
010905	other ceramic products																						1	other ceramic products	
011102	nonferrous metals casting products																						1	nonferrous metals casting products	
011109	other nonferrous metal products																						1	other nonferrous metal products	
011203	metal press products			1																			1	metal press products	
011302	measuring instruments																						1	measuring instruments	
011409	other electrical equipment																						1	other electrical equipment	
011602	city gas service																						1	city gas service	
020202	gravel digging																						1	gravel digging	
030106	road construction work					1																	1	road construction work	
	port/seaside construction																								port/seaside construction

090101	banking/trust business																																												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		
130309	other health and hygiene service																																														other health and hygiene service	
140209	other restaurants																																														other restaurants	
140302	park and amusement park																																														park and amusement park	
150103	other waste disposal service																																														other waste disposal 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	
170101	dispatch service																																															dispatch service
170202	information processing service																																														information processing service	
	total			65		52		42	39	35	39	36	24	29	41	26	18	29	31	38	22	29	23	23	17	658																			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