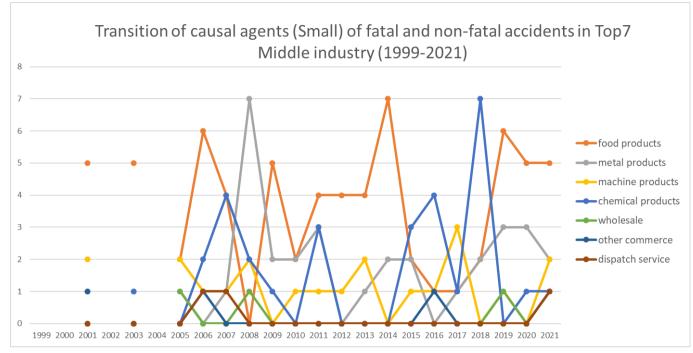
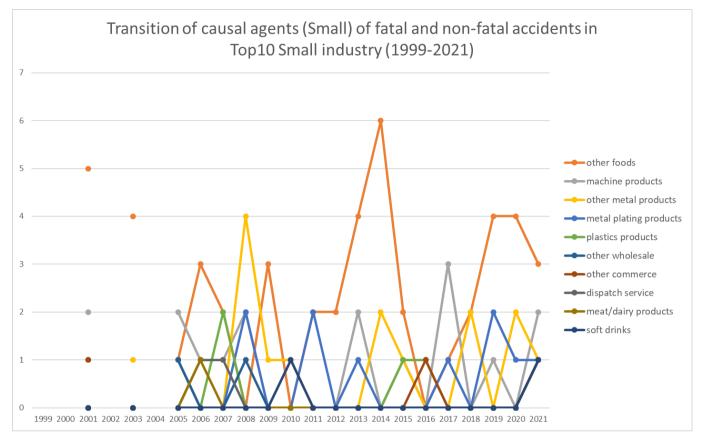


Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 161 centrifugal machine in Large industry (1999-2021)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 161 centrifugal machine in Middle Industry (1999-2021)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 161 centrifugal machine in Small Industry (1999-2021)

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 161 centrifugal machine 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			18		13		11	18	15	18	12	11	13	10	14	14	14	11	9	12	15	12	11	251	manufacturing
08	commerce			1		1		1	1		1			2					1		1	1		2	12	commerce
17	others					1			1	2			1	1	1									1	8	others
15	commercial cleaning and					2		1	1		3	1			1	1	1			1	1	1			14	commercial cleaning and
	livestock process							•								·	•									livestock process
03	construction			1		2			2		2					1		1			2				11	construction
06	agriculture										1						1				1	1			4	agriculture
	hotel/restaurant/amusement																									hotel/restaurant/amusement

14	service		1		1	1							1									4	service
07	livestock/fishery			2	1																	3	livestock/fishery
13	health and hygiene service				1							1					1					3	health and hygiene service
02	mining												1									1	mining
04	transportation service						1															1	transportation service
12	education/research service															1						1	education/research service
05	cargo handling service																						cargo handling service
09	financial																						financial
	business/advertisement																						business/advertisement
10	movie/play service																						movie/play service
11	telecommunication service																						telecommunication service
16	public office																						public office
	total		21	21	16	24	18	25	13	12	16	13	18	16	15	13	11	17	18	12	14	313	total

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 161 centrifugal machine 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
0101	food products			5		5		2	6	4		5	2	4	4	4	7	2	1	1	2	6	5	5	70	food products
0112	metal products			1		1		1		1	7	2	2	3		1	2	2		1	2	3	3	2	34	metal products
0113	machine products			2				2	1	1	2		1	1	1	2		1	1	3		1		2	21	machine products
0108	chemical products					1			2	4	2	1		3				3	4	1	7		1	1	30	chemical products
0801	wholesale							1			1											1		1	4	wholesale
0804	other commerce			1					1										1					1	4	other commerce
1701	dispatch service								1	1														1	3	dispatch service
0107	printing/bookbinding									1														1	2	printing/bookbinding
0109	sand and stone products			1		5		3	3		2			1	1	3		3	2	1		1	1		27	sand and stone

																						products
0117	other manufacturing		1			2	2		1	5		2	2	1	1	1	1	1	1	1	22	other manufacturing
1501	commercial cleaning and livestock process			2	1	1		3	1			1	1	1			1	1	1		14	commercial cleaning and livestock process
0110	steel making		4						1			1	1	2	1	1				1	12	steel making
0102	textile products		1	1	2	1				1									1		7	textile products
0303	other construction works		1	1		1		2					1		1						7	other construction works
0111	nonferrous metal making		1		1			1				1			1		1				6	nonferrous metal making
0106	pulp/paper processing products					2		2			1										5	pulp/paper processing products
1702	others			1			1			1	1	1									5	others
0104	wood products					1		1						1		1					4	wood products
0114	electrical equipment products								1				1	1					1		4	electrical equipment products
0115	transport equipment products		1				2	1													4	transport equipment products
0302	construction work			1		1												2			4	construction work
0601	agriculture							1						1				1	1		4	agriculture
0802	retail			1							2							1			4	retail
1402	restaurant				1	1							1								3	restaurant
0103	fiber products		1						1												2	fiber products
0702	fishery			2																	2	fishery
1302	social welfare facility				1							1									2	social welfare facility
0105	furniture																		1		1	furniture
0202	quarrying												1								1	quarrying

0403	road cargo transportation service					1									1	road cargo transportation service
0701	livestock				1										1	livestock
1201	education/research service										1				1	education/research service
1301	medical treatment service											1			1	medical treatment service
1403	other amusement service		1												1	other amusement service
0116	electric/gas/water service															electric/gas/water service
0201	coal mining															coal mining
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
0404	other transportation service															other transportation service
0501	land cargo handling service															land cargo handling service
0502	harbor transportation service															harbor transportation service
0602	forestry															forestry
0803	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
1303	other health and hygiene service																						other health and hygiene service
1401	hotel																						hotel
1601	public office																						public office
	total		21	21	16	24	18	25	13	12	16	13	18	16	15	13	11	17	18	12	14	313	total

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 161 centrifugal machine 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
010109	other foods			5		4		1	3	2		3		2	2	4	6	2		1	2	4	4	3	48	other foods
011301	machine products			2				2	1	1	2		1			2		1		3		1		2	18	machine products
011209	other metal products					1					4	1	1				2	1			2		2	1	15	other metal products
011204	metal plating products			1				1			2			2		1				1		2	1	1	12	metal plating products
010805	plastics products									2								1	1					1	5	plastics products
080109	other wholesale							1			1													1	3	other wholesale
080409	other commerce			1															1					1	3	other commerce
170101	dispatch service								1	1														1	3	dispatch service
010101	meat/dairy products								1															1	2	meat/dairy products
010106	soft drinks												1											1	2	soft drinks
010701	printing service									1														1	2	printing service
010901	cement products			1		4		2	2		1			1	1	2		2		1		1	1		19	cement products

010801	non organic or organic					1		1	1		1				2	1	1	3		1	12	non organic or organic
	chemical products																					chemical products
011703	cleaning		1			1	1			1			1	1	1	1		1	1		10	cleaning
010103	agricultural food products				1	1	1		1		1	2							2		9	agricultural food products
011001	steel/iron/rolling products		4						1				1			1					7	steel/iron/rolling products
011709	other manufacturing					1	1		1	2		1	1								7	other manufacturing
010899	other chemical products						1									1		4			6	other chemical products
010909	other sand and stone products				1	1		1					1		1	1					6	other sand and stone products
150102	industrial waste management service							1	1			1	1	1					1		6	industrial waste management service
011002	casting products											1		2	1					1	5	casting products
011102	nonferrous metals casting products		1		1			1				1			1						5	nonferrous metals casting products
030302	machinery/apparatus setting work		1	1		1							1		1						5	machinery/apparatus setting work
150101	building maintenance service			2		1											1	1			5	building maintenance service
170209	others			1			1			1	1	1									5	others
010102	fishery products			1		1	1									1					4	fishery products
010209	other textile products		1	1	1	1															4	other textile products
011202	screw products						1	1	1		1										4	screw products
011502	auto mobile products		1				2	1													4	auto mobile products
060101	agriculture							1						1				1	1		4	agriculture
010104	bread/cake products										1			1						1	3	bread/cake products
010204	dyeing				1					1									1		3	dyeing
010601	pulp/paper					1		2													3	pulp/paper
010806	rubber products					1					1					1					3	rubber products

011203	metal press products									1					1				1		3	metal press products
011305	other precision machine products										1	1				1					3	other precision machine products
011702	machine repair									1		1					1				3	machine repair
030201	steel frame/reinforced concrete house construction work			1														2				steel frame/reinforced concrete house construction work
080209	other retails			1							2										3	other retails
010105	alcoholic drinks								1	1											2	alcoholic drinks
010309	other fiber products		1						1												2	other fiber products
010402	plywood					1								1							2	plywood
010609	other pulp/paper processing products					1					1										2	other pulp/paper processing products
010802	chemical fiber						1	1													2	chemical fiber
011409	other electrical equipment								1				1								2	other electrical equipment
011701	auto mobile servicing									1										1	2	auto mobile servicing
030309	other construction works							2													2	other construction works
070209	other fishery			2																	2	other fishery
130201	social welfare facility				1							1									2	social welfare facility
140201	general restaurant				1								1								2	general restaurant
150103	other waste disposal service				1			1													2	other waste disposal service
010401	lumbering															1					1	lumbering
010409	other lumber and wood products							1													1	other lumber and wood products
010503	fittings																		1		1	fittings
010807	leather products			1																	1	leather products
010809	chemical fertilizer products										1										1	chemical fertilizer products

	L	 		<u> </u>		 	<u> </u>			 								 		
010902	glass products				1														1	glass products
010905	other ceramic products													1					1	other ceramic products
011109	other nonferrous metal products														1				1	other nonferrous metal products
011401	heavy electrical equipment																1		1	heavy electrical equipment
011402	electrical appliance												1						1	electrical appliance
020201	quarrying											1							1	quarrying
030202	wooden house construction work						1												1	wooden house construction work
040301	general truck transportation service							1											1	general truck transportation service
070101	livestock					1													1	livestock
080101	all kinds of wholesale																1		1	all kinds of wholesale
080204	fuel retail															1			1	fuel retail
080401	warehousing						1												1	warehousing
120109	other education/research service													1					1	other education/research service
130102	general clinic														1				1	general clinic
140209	other restaurants						1												1	other restaurants
140301	golf course		1																1	golf course
150109	other cleaning and livestock process service								1										1	other cleaning and livestock process service
010201	silk-reeling																			silk-reeling
010202	cotton-spinning																			cotton-spinning
010203	weaving																			weaving
010301	over/under wear																			over/under wear

010501	wood furniture											wood furniture
10502	metal furniture											metal furniture
)10509	other furniture											other furniture
010602	paper processing products											paper processing products
010702	bookbinding											bookbinding
010709	other printing and bookbinding											other printing and bookbinding
010803	pharmaceuticals											pharmaceuticals
010804	petroleum/coal products											petroleum/coal products
010808	painting products											painting products
010903	pottery products											pottery products
010904	fire resisting products											fire resisting products
)11009	other steel products											other steel products
011101	nonferrous metals/rolling products											nonferrous metals/rolling products
011201	western tableware/cutting tool products											western tableware/cutting tool products
011302	measuring instruments											measuring instruments
011303	optical instruments											optical instruments
011304	watch products											watch products
011403	electronics equipment and telecommunications apparatus											electronics equipment and telecommunications apparatus
011501	ship building											ship building
011503	railway vehicle products											railway vehicle products
011509	other transport equipment products											other transport equipment products

011601	electric utility service										electric utility service
011602	city gas service										city gas service
011603	city water service										city water service
011609	other electric/gas/water service										other electric/gas/water service
011704	tobacco products										tobacco products
020101	general coal mining										general coal mining
020109	other coal mining										other coal mining
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 construction work										hydroelectric plant 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 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 work
030199	other civil engineering work											other civil engineering work
030203	building facility construction work											building facility construction work
030209	other building construction work											other building construction work
030301	electricity/telecommunication work											electricity/telecommunication 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
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
050202	port cargo handling service											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
080201	all kinds of retail										all kinds of retail
080202	auto mobile retail										auto mobile retail
080203	furniture/fittings retail										furniture/fittings retail
080205	newspaper retail										newspaper retail
080301	haircut										haircut
080302	beauty salon										beauty salon
090101	banking/trust business										banking/trust business
090102	stock/commodity trade										stock/commodity trade
	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
	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

130101	hospital																						hospital
130109	other medical treatment service																						other medical treatment service
130301	bathhouse																						bathhouse
130309	other health and hygiene service																						other health and hygiene service
140101	hotel																						hotel
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
170201	security service																						security service
170202	information processing																						information processing
	service																						service
	total		21	21	16	24	18	25	13	12	16	13	18	16	15	13	11	17	18	12	14	313	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