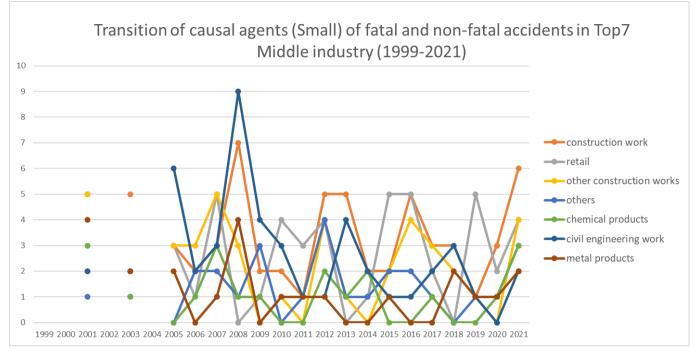
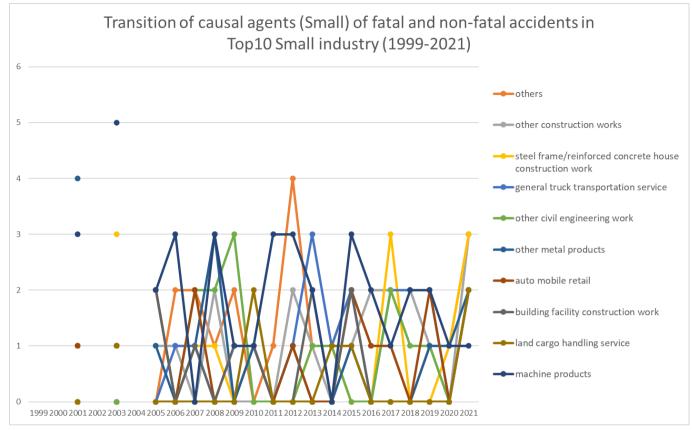


Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 111 engine in Large industry (1999-2021)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 111 engine in Middle Industry (1999-2021)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 111 engine in Small Industry (1999-2021)

## Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 111 engine 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
03	construction			9		8		12	7	11	19	6	6	2	10	10	4	5	10	8	8	3	3	12	153	construction
01	manufacturing			34		26		16	16	20	15	20	14	12	19	10	8	13	6	17	18	13	7	11	295	manufacturing
08	commerce			7		5		7	1	6	1	1	5	3	6	1	1	5	8	3	4	6	4	6	80	commerce
17	others			1		1			2	3	1	3		1	4	1	1	2	2	1		1	1	3	28	others
04	transportation service			3				1	2	2	2		1	2	2	4	3	5	1	2	4	3	1	2	40	transportation service
05	cargo handling service					1					2	1	2		1		1	1						2	11	cargo handling service
07	livestock/fishery			2		1		2	3	1	1			1	2				1	1	1	2	1	1	20	livestock/fishery

14	hotel/restaurant/amusement		4		1		1		1			2	1	2		1					1	14	hotel/restaurant/amusement
	service		T		•		•									•					•		service
11	telecommunication service				1				1		1		1			1					1	6	telecommunication service
12	education/research service							1				1									1	3	education/research service
15	commercial cleaning and		1	1	1	2	1	1	1	<b>_</b>	2	1	1	<b>_</b>	1	2	6		1	1		27	commercial cleaning and
	livestock process				1	2				2	2			2		2	0					27	livestock process
06	agriculture				1			1	1		1		1	2	1			2	1			11	agriculture
02	mining				1	2	2					2						1				8	mining
13	health and hygiene service			1						2	2	1							1	1		8	health and hygiene service
09	financial					1																1	financial
09	business/advertisement																						business/advertisement
16	public office												1									1	public office
10	movie/play service																						movie/play service
	total		61	44	43	36	47	44	35	32	27	51	31	24	33	32	38	38	31	19	40	706	total

## Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 111 engine 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
0302	construction work			2		5		3	2	3	7	2	2	1	5	5	2	2	5	3	3	1	3	6	62	construction work
0802	retail			5		2		3	1	5		1	4	3	4		1	5	5	2		5	2	4	52	retail
0303	other construction works			5		1		3	3	5	3		1		4	1		2	4	3	2	1		4	42	other construction works
1702	others			1		1			2	2	1	2		1	4	1	1	2	2	1		1	1	2		others
				<u> </u>					2	2		5			+			2	2					<b>_</b>		
0108	chemical products			3		1			1	3	1	1			2	1	2			1			1	3	20	chemical products
0301	civil engineering work			2		2		6	2	3	9	4	3	1	1	4	2	1	1	2	3	1		2	49	civil engineering work
0112	metal products			4		2		2		1	4		1	1	1			1			2	1	1	2	23	metal products
0403	road cargo transportation service			2					1	1			1		1	3	1	2	1	2	2	3	1	2	23	road cargo

																						transportation service
0114	electrical equipment products	3	1	1	2	1			1			1		2		5			1	2	20	electrical equipment products
0501	land cargo handling service		1						2				1	1						2	7	land cargo handling service
0113	machine products	3	5	2	3		3	1	2	3	3	2		3	2	1	2	2	1	1	39	machine products
0115	transport equipment products	2	3	1	1	4				1	2	1	1	1			3		1	1	22	transport equipment products
0801	wholesale	2	2	2		1					1	1			1		3		2	1	16	wholesale
0804	other commerce		1	2			1		1		1				2	1	1	1		1	12	other commerce
0109	sand and stone products	2							1			1					2	3		1	10	sand and stone products
0702	fishery	1		1	1	1	1			1					1			2		1	10	fishery
1403	other amusement service	3		1		1					1		1		1					1	9	other amusement service
0106	pulp/paper processing products					1			2				1	1		2				1	8	pulp/paper processing products
1101	telecommunication service			1				1		1		1			1					1	6	telecommunication service
1201	education/research service						1				1									1	3	education/research service
0117	other manufacturing	10	8	7	6	5	5	11	2	5	5	2	2	3	3	2	4	1			81	other manufacturing
0101	food products	4	3	1		3		3	4	1	1		1	2	1	3	4	3	2		36	food products
1501	commercial cleaning and livestock process	1	1	1	2	1	1	1	2	2	1	1	2	1	2	6		1	1		27	commercial cleaning and livestock process
0110	steel making	2			3						1	1	1			1	1	2			12	steel making
0402	road passenger transport service	1		1	1	1	1			2	1		2	1			1				12	road passenger transport service

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0701	livestock		1	1	1	2						2				1	1		1	10	livestock
0104	wood products		1	1				2	3				1							8	wood products
0116	electric/gas/water service			1	1		1		1	1	1	2								8	electric/gas/water service
0202	quarrying				1	1	2					2					1			7	quarrying
0601	agriculture				1				1					2			2	1		7	agriculture
1302	social welfare facility									1	2	1						1		5	social welfare facility
0401	railroad/water transportation/airline service							1							2		1				railroad/water transportation/airline service
0502	harbor transportation service							2	1			1								4	harbor transportation service
0602	forestry							1			1		1		1					4	forestry
0102	textile products			1								1				1				3	textile products
1301	medical treatment service			1						1									1	3	medical treatment service
1401	hotel		1						1				1							3	hotel
0105	furniture				1		1													2	furniture
0111	nonferrous metal making											1				1				2	nonferrous metal making
1402	restaurant											1		1						2	restaurant
0103	fiber products																	1		1	fiber products
0203	other mining					1														1	other mining
0404	other transportation service												1							1	other transportation service
0902	advertisement and mediator					1														1	advertisement and mediator

1601	public office												1									1	public office
1701	dispatch service						1															1	dispatch service
0107	printing/bookbinding																						printing/bookbinding
0201	coal mining																						coal mining
0803	haircut/beauty salon																						haircut/beauty salon
0901	financial business																						financial business
1001	movie/play service																						movie/play service
1303	other health and hygiene service																						other health and
																							hygiene service
	total		61	44	43	36	47	44	35	32	27	51	31	24	33	32	38	38	31	19	40	706	total

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 111 engine 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
170209	others								2	2	1	2		1	4	1	1	2	1	1		1	1	3	23	others
030309	other construction works							1	1		2				2	1		1	2	2	2	1		3	18	other construction works
030201	steel frame/reinforced concrete house construction work			1		3				1	1		1			1	1			3			1	3		steel frame/reinforced concrete house construction work
040301	general truck transportation service			1					1	1			1		1	3	1	2		2	2	2		2	19	general truck transportation service
030199	other civil engineering work			1				2		2	2	3				1	1			2	1	1		2	18	other civil engineering work
011209	other metal products			4		1		1		1	3		1		1			1				1	1	2	17	other metal products
080202	auto mobile retail			1		1		2		2		1	1		1			2	1	1		2		2	17	auto mobile retail
030203	building facility construction work					1		2		1		1	1			2		2						2	12	building facility construction work
050101	land cargo handling service					1							2				1	1						2	7	land cargo handling service

011301	machine products		3	5	2	3		3	1	1	3	3	2		3	2	1	2	2	1	1	38	machine products
030209	other building construction work		1	1	1	1		6			1	4	2			5		2	1	1	1	27	other building construction work
080209	other retails	ŀ	1	1	1	1	2			3	2	2		1	1	3			2	2	1	23	other retails
030302	machinery/apparatus setting work		2	1	1	2	5	1		1		2				1	1				1	18	machinery/apparatus setting work
080109	other wholesale		2	1	2		1					1	1			1		3		2	1	15	other wholesale
011501	ship building	ŀ	1	2	1		4				1			1				2		1	1	14	ship building
080409	other commerce			1	2			1		1						1	1	1	1		1	10	other commerce
080204	fuel retail		2				1					1				1	1				1	7	fuel retail
011401	heavy electrical equipment		1			1							1				2				1	6	heavy electrical equipment
110101	telecommunication service				1				1		1		1			1					1	6	telecommunication service
010899	other chemical products	•	1				1					1	1								1	5	other chemical products
010805	plastics products						1	1						1							1	4	plastics products
010901	cement products																	1	2		1	4	cement products
070209	other fishery							1			1					1					1	4	other fishery
011402	electrical appliance						1														1	2	electrical appliance
010609	other pulp/paper processing products																				1	1	other pulp/paper processing products
010802	chemical fiber																				1	1	chemical fiber
120101	auto mobile practical training																				1	1	auto mobile practical training
140302	park and amusement park																				1	1	park and amusement park
011701	auto mobile servicing		4	7	 6	5	4	2	7	1	2		1	2	2	2	1	1				47	auto mobile servicing
011702	machine repair		3	1	1	1		3	3		1	4	1				1					19	machine repair
150102	industrial waste management service				1	1		1		1	1	1	1	2		1	4		1			15	industrial waste management service
010109	other foods			2			1		1	2		1			1		1	1	1	1		12	other foods

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010102	fishery products			3	1				1		1	1					1	1			1			10	fishery products
011409	other electrical equipment			2	1		1					1					1		3			1		10	other electrical equipment
030110	water supply/sewage				1				1	5				1	1	1								10	water supply/sewage
030110	construction work																								construction work
070101	livestock		-	1	1		1	2						2					1	1		1		10	livestock
010101	meat/dairy products						1				1					1			2	2	1	1		9	meat/dairy products
011709	other manufacturing			2					1				1	1						2	1			8	other manufacturing
030106	road construction work		ŀ	1				1		1		2					1	1		1				8	road construction work
011703	cleaning		ŀ	1							1	1	1				1	1		1				7	cleaning
	wooden house construction																								wooden house construction
030202	work							1	1		1			1		I				I		I		/	work
060101	agriculture						1				1					2				2	1			7	agriculture
011601	electric utility service				1		1		1		1			2										6	electric utility service
020201	quarrying						1	1	2					1						1				6	quarrying
020201	electricity/telecommunication																								electricity/telecommunication
030301	work			5			1										I	1						6	work
040201	taxi service		-	1									1	1		2	1							6	taxi service
040202	bus service						1	1	1	1			1							1				6	bus service
070201	fishery		ŀ	1			1	1	1												2			6	fishery
140309	other amusement service		ŀ	1			1		1					1		1		1						6	other amusement service
010602	paper processing products											1				1	1		2					5	paper processing products
	non organic or organic																								non organic or organic
010801	chemical products							1	1					1		1						1		5	chemical products
011002	casting products		ŀ	1				1						1	1				1					5	casting products
011502	auto mobile products		ŀ	1				1						1	1					1				5	auto mobile products
	port/seaside construction													·											port/seaside construction
030111							2			1					<b>  1</b>					<b>  1</b>				5	

	work																					work
130201	social welfare facility									1	2	1							1		5	social welfare facility
150103	other waste disposal service		1			1	1								1		1				5	other waste disposal service
011001	steel/iron/rolling products		1			1								1					1		4	steel/iron/rolling products
060201	lumbering							1			1		1		1						4	lumbering
150109	other cleaning and livestock process service			1						1	1						1				4	other cleaning and livestock process service
170201	security service		1	1					1							1					4	security service
010401	lumbering		1	1				1													3	lumbering
010409	other lumber and wood products							1	1				1								3	other lumber and wood products
010809	chemical fertilizer products		1	1													1				3	chemical fertilizer products
010909	other sand and stone products		1							1									1		3	other sand and stone products
011009	other steel products					1												1	1		3	other steel products
011509	other transport equipment products			1								1			1						3	other transport equipment products
030105	bridge construction work				2						1										3	bridge construction work
040102	water transportation service							1							1			1			3	water transportation service
040302	specific truck transportation service		1													1				1	3	specific truck transportation service
130101	hospital			1						1										1	3	hospital
140101	hotel		1						1				1								3	hotel
150101	building maintenance service								1							1				1	3	building maintenance service
010103	agricultural food products		1															1			2	agricultural food products
010105	alcoholic drinks									1	1										2	alcoholic drinks
010402	plywood								2												2	plywood

010001	nuln/nanar						1			1										2	
	pulp/paper																			2	pulp/paper
010806	rubber products		1						1											2	rubber products
010902	glass products		1										1							2	glass products
011101	nonferrous metals/rolling											1				1				2	nonferrous metals/rolling
	products																				products
011202	screw products							1									1			2	screw products
011204	metal plating products										1						1			2	metal plating products
	electronics equipment and																				electronics equipment and
011403	telecommunications					1								1						2	telecommunications
	apparatus																				apparatus
030107	river civil engineering work								1				1							2	river civil engineering work
030109	land consolidation civil			1		1															land consolidation civil
050109	engineering work			1		'														2	engineering work
050201	general harbor transportation																				general harbor transportation
	service							2												2	service
050202	port cargo handling service								1			1								2	port cargo handling service
080201	all kinds of retail													1				1		2	all kinds of retail
080205	newspaper retail		1								1									2	newspaper retail
080401	warehousing											1			1					2	warehousing
120109	other education/research							1				1								5	other education/research
	service											1								2	service
140301	golf course		2																	2	golf course
010104	bread/cake products						1													1	bread/cake products
010203	weaving											1								1	weaving
010204	dyeing															1				1	dyeing
010209	other textile products			1																1	other textile products
010309	other fiber products																	1		1	other fiber products

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010501	wood furniture						1														1	wood furniture
010509	other furniture								1												1	other furniture
010905	other ceramic products																	1			1	other ceramic products
011201	western tableware/cutting tool products				1																1	western tableware/cutting tool products
011203	metal press products						1														1	metal press products
011302	measuring instruments										1										1	measuring instruments
011602	city gas service											1									1	city gas service
011603	city water service										1										1	city water service
020202	gravel digging												1								1	gravel digging
020309	other mining							1													1	other mining
030102	tunnel construction work										1										1	tunnel construction work
040103	airline service															1					1	airline service
040309	other land cargo transportation service																		1		1	other land cargo transportation service
040409	other transportation service													1							1	other transportation service
080101	all kinds of wholesale				1																1	all kinds of wholesale
080203	furniture/fittings retail															1					1	furniture/fittings retail
090209	other advertisement and mediator							1													1	other advertisement and mediator
140201	general restaurant														1						1	general restaurant
140209	other restaurants												1								1	other restaurants
160101	public office													1							1	public office
170101	dispatch service								1												1	dispatch service
010106	soft drinks																					soft drinks
010201	silk-reeling																					silk-reeling
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010202	cotton-spinning										cotton-spinning
010301	over/under wear										over/under wear
010502	metal furniture										metal furniture
010503	fittings										fittings
010701	printing service										printing service
010702	bookbinding										bookbinding
010709	other printing and bookbinding										other printing and bookbinding
010803	pharmaceuticals										pharmaceuticals
010804	petroleum/coal products										petroleum/coal products
010807	leather products										leather products
010808	painting products										painting products
010903	pottery products										pottery products
010904	fire resisting products										fire resisting products
011102	nonferrous metals casting products										nonferrous metals casting products
011109	other nonferrous metal products										other nonferrous metal products
011303	optical instruments										optical instruments
011304	watch products										watch products
011305	other precision machine products										other precision machine products
011503	railway vehicle products										railway vehicle products
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
020209	other quarrying								other quarrying
020301	metal mining								metal mining
020302	petroleum mining								petroleum mining
030101	hydroelectric plant construction work								hydroelectric plant construction work
030103	subway construction work								subway construction work
030104	railway construction work								railway construction work
030108	sand collapse prevention civil engineering work								sand collapse prevention civil engineering work
040101	railroad service								railroad service
040209	other passenger transport service								other passenger transport service
040303	cargo/ light automobile transportation service								cargo/ light automobile transportation service
050209	other harbor transportation service								other harbor transportation service
060209	other forestry								other forestry
080102	furniture/fittings wholesale								furniture/fittings wholesale
080301	haircut								haircut
080302	beauty salon								beauty salon
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

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
120102	software service																						software service
130102	general clinic																						general clinic
130109	other medical treatment service																						other medical treatment service
130301	bathhouse																						bathhouse
130309	other health and hygiene service																						other health and hygiene service
150104	cremation service																						cremation service
150105	livestock process service																						livestock process service
170202	information processing																						information processing
	service																						service
	total		61	44	43	36	47	44	35	32	27	51	31	24	33	32	38	38	31	19	40	706	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