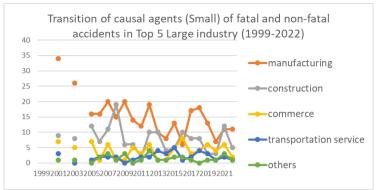
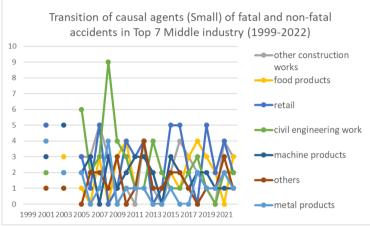
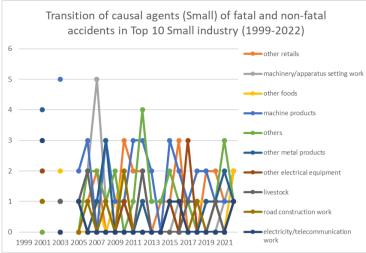
Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 111 engine (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 111 engine in Large industry (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 111 engine in Middle Industry (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 111 engine in Small Industry (1999-2022)

Trans	itton of causal agents (Sinall) of fa										<u> </u>		<u> </u>														
code	Large industry	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	0 2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total	Large industry
01	manufacturing			34		26		16	16	20	15	20	14	12	19	10	8	13	6	17	18	13	7	11	11	306	manufacturing
03	construction			9		8		12	7	11	19	6	6	2	10	10	4	5	10	8	8	3	3	12	5	158	construction
08	commerce			7		5		7	1	6	1	1	5	3	6	1	1	5	8	3	4	6	4	6	2	82	commerce
04	transportation service			3				1	2	2	2		1	2	2	4	3	5	1	2	4	3	1	2	1	41	transportation service
17	others			1		1			2	3	1	3		1	4	1	1	2	2	1		1	1	3	1	29	others
07	livestock/fishery			2		1		2	3	1	1			1	2				1	1	1	2	1	1	1	21	livestock/fishery
13	health and hygiene service					1							2	2	1							1	1		1	9	health and hygiene service
12	education/research service										1				1									1	1	4	education/research service
15	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
14	hotel/restaurant/amusement service			4				1		1		1			2	1	2		1					1		14	hotel/restaurant/amusement service
05	cargo handling service					1					2	1	2		1		1	1						2		11	cargo handling service
06	agriculture							1			1	1		1		1	2	1			2	1				11	agriculture
02	mining							1	2	2					2						1					8	mining
11	telecommunication service							1				1		1		1			1					1		6	telecommunication service
09	financial business/advertisement								1																	1	financial 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	23	729	total

Transition of causal agents (S	Small) of fatal and non-fatal accidents as code	no. 111 engine in Large industry (1999-2022)
Transition of causal agents (L	Sinan) of fatal and non-fatal accidents as code	no. 111 engine in Large industry (1999-2022)

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

0303	other construction works		5	1	3	3	5	3		1		4	1		2	4	3	2	1		4	3	45	other construction works
0101	food products		4	3	1		3		3	4	1	1		1	2	1	3	4	3	2		3	39	food products
0802	retail		5	2	3	1	5		1	4	3	4		1	5	5	2		5	2	4	2	54	retail
0301	civil engineering work		2	2	6	2	3	9	4	3	1	1	4	2	1	1	2	3	1		2	2	51	civil engineering work
0113	machine products		3	5	2	3		3	1	2	3	3	2		3	2	1	2	2	1	1	1	40	machine products
1702	others		1	1		2	2	1	3		1	4	1	1	2	2	1		1	1	3	1	28	others
0112	metal products		4	2	2		1	4		1	1	1			1			2	1	1	2	1	24	metal products
0115	transport equipment products		2	3	1	1	4				1	2	1	1	1			3		1	1	1	23	transport equipment products
0114	electrical equipment products		3	1	1	2	1			1			1		2		5			1	2	1	21	electrical equipment products
0109	sand and stone products		2							1			1					2	3		1	1	11	sand and stone products
0701	livestock		1	1	1	2						2					1	1		1		1	11	livestock
0104	wood products		1	1				2	3				1									1	9	wood products
0106	pulp/paper processing products						1			2				1	1		2				1	1	9	pulp/paper processing products
	railroad/water transportation/airline service							1							2			1				1	5	railroad/water transportation/airline service
0102	textile products			1								1					1					1	4	textile products
1201	education/research service							1				1									1	1	4	education/research service
1301	medical treatment service			1						1										1		1	4	medical treatment service
0117	other manufacturing		10	8	7	6	5	5	11	2	5	5	2	2	3	3	2	4	1				81	other manufacturing
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
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
0403	road cargo transportation service		2			1	1			1		1	3	1	2	1	2	2	3	1	2		23	road cargo transportation service
0108	chemical products		3	1		1	3	1	1			2	1	2			1			1	3		20	chemical products
	wholesale		2	2	2		1					1	1			1		3		2	1		16	wholesale
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
0804	other commerce			1	2			1		1		1				2	1	1	1		1		12	other commerce
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
	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
0501	land cargo handling service			1						2				1	1						2		7	land cargo handling service

0601 agriculture	i		 i	<u> </u>	1				1		1	1	i	2	i —	i —		2	1			1	7	agriculture
1101 telecommunication service					1				1		1		1			1					1		6	telecommunication service
1302 social welfare facility										1	2	1							1				5	social welfare facility
0502 harbor transportation service								2	1			1											4	harbor transportation service
0602 forestry								1			1		1		1								4	forestry
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	23	729	total

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 111 engine 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
080209	other retails			1		1		1	1	2			3	2	2		1	1	3			2	2	1	2	25	other retails
030302	machinery/apparatus setting work			2		1		1	2	5	1		1		2				1	1				1	2	20	machinery/apparatus setting work
	other foods					2				1		1	2		1			1		1	1	1	1		2	14	other foods
011301	machine products			3		5		2	3		3	1	1	3	3	2		3	2	1	2	2	1	1	1	39	machine products
170209	others								2	2	1	2		1	4	1	1	2	1	1		1	1	3	1	24	others
011209	other metal products			4		1		1		1	3		1		1			1				1	1	2	1	18	other metal products
011409	other electrical equipment			2		1		1					1					1		3			1		1	11	other electrical equipment
070101	livestock			1		1		1	2						2					1	1		1		1	11	livestock
030106	road construction work			1					1		1		2					1	1		1				1	9	road construction work
030301	electricity/telecommunication work			3				1										1	1						1	7	electricity/telecommunication work

010602 paper processing products									1				1	1		2					1	6	paper processing products
010901 cement products																	1	2		1	1	5	cement products
010409 other lumber and wood products							1	1				1									1	4	other lumber and wood products
040102 water transportation service							1							1			1				1	4	water transportation service
120109 other education/research service							1				1										1	3	other education/research service
010104 bread/cake products						1															1	2	bread/cake products
010203 weaving											1										1	2	weaving
030102 tunnel construction work									1												1	2	tunnel construction work
011503 railway vehicle products																					1	1	railway vehicle products
130109 other medical treatment service																					1	1	other medical treatment service
011701 auto mobile servicing		4	7	6	5	4	2	7	1	2		1	2	2	2	1	1					47	auto mobile servicing
030209 other building construction work		1	1	1	1		6			1	4	2			5		2	1	1	1		27	other building construction work
011702 machine repair		3	1	1	1		3	3		1	4	1				1						19	machine repair
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
030309 other construction works				1	1		2				2	1		1	2	2	2	1		3		18	other construction works
080202 auto mobile retail		1	1	2		2		1	1		1			2	1	1		2		2		17	auto mobile retail
030201 steel frame/reinforced concrete house construction work		1	3			1	1		1			1	1			3			1	3		16	steel frame/reinforced concrete house construction work
080109 other wholesale		2	1	2		1					1	1			1		3		2	1		15	other wholesale
150102 industrial waste management service				1	1		1		1	1	1	1	2		1	4		1				15	industrial waste management service
011501 ship building		1	2	1	1	4				1			1				2		1	1	1	14	ship building
030203 building facility construction work			1	2		1		1	1			2		2						2		12	building facility construction work
010102 fishery products		3	1			1		1	1					1	1			1				10	fishery products
030110 water supply/sewage construction work			1			1	5				1	1	1									10	water supply/sewage construction work
080409 other commerce			1	2			1		1						1	1	1	1		1		10	other commerce
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
011703 cleaning		1						1	1	1				1	1		1					7	cleaning
030202 wooden house construction work					1	1		1			1		1				1		1			7	wooden house construction work
050101 land cargo handling service			1						2				1	1						2		7	land cargo handling service
060101 agriculture				1				1					2				2	1				7	agriculture
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
011601 electric utility service			1	1		1		1			2											6	electric utility service

020201	quarrying		<u> </u>	i 		i	1	1	2	i —	i —	i		1	i ———			i —	i —	1	i	1		 6	quarrying
	taxi service		1	1					12				1	1		2	1			1				6	taxi service
			1						1				1	1			1		<u> </u>					-	
	bus service							1	1															 6	bus service
070201			1				1	1	1	<u> </u>									Ļ		2				fishery
	telecommunication service						1				1		1		1			1					1	6	telecommunication service
	other amusement service		1				1		1	ļ				1		1		1						6	other amusement service
010801	non organic or organic chemical products							1	1					1		1						1		5	non organic or organic chemical products
010899	other chemical products		1						1					1	1								1	5	other chemical products
011002	casting products		1					1						1	1				1					5	casting products
011502	auto mobile products		1					1						1	1					1				5	auto mobile products
	port/seaside construction work						2			1					1					1				5	port/seaside construction 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
010805	plastics products						1		1	1		i				1					i —		1	4	plastics products
011001	steel/iron/rolling products		1					1								1					1			4	steel/iron/rolling products
	lumbering							i —	1	1			1		1		1					1		 4	lumbering
	other fishery									1		i	1					1			i —		1	4	other fishery
150100	other cleaning and livestock process service				1							1	1						1					4	other cleaning and livestock process service
170201	security service		1		1					i —	1							1						4	security service
010401	lumbering		1		1					1														3	lumbering
010809	chemical fertilizer products		1		1														1					3	chemical fertilizer products
010000	other sand and stone products		1									1									1			3	other sand and stone products
	other steel products							1		i —		i								1	1	1		3	other steel products
011500	other transport equipment products				1									1			1							3	other transport equipment products
030105	bridge construction work						2			i —		i	1											3	bridge construction work
040202	specific truck transportation service		1															1				1		3	specific truck transportation service
130101	hospital				1							1										1		3	hospital
140101			1			1			1	i —	1	i			1							1		3	hotel
	building maintenance service										1	i						1				1		3	building maintenance service
	agricultural food products		1																	1				2	agricultural food products
	alcoholic drinks								1	1	1		1						1						alcoholic drinks
	plywood								1	1	2		-						1					2	plywood
	pulp/paper								1		Ē													2	pulp/paper
	rubber products		1								1								1					2	rubber products
	glass products		1												1										glass products
010902	ponforrous motals/rolling														1									4	nonferrous metals/rolling
011101	nonferrous metals/rolling products													1					1					2	products

01/20 meak plating products 1 <th>011202</th> <th>screw products</th> <th></th> <th></th> <th></th> <th></th> <th> </th> <th></th> <th></th> <th>1</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>1</th> <th></th> <th></th> <th>2</th> <th>screw products</th>	011202	screw products								1										1			2	screw products
Interconse support and operations Interconse support and operations<													1							1			2	metal plating products
01403 upcontentiations up upcontentiations upcontentiations upcontentiations uppontentiations uppontentintintentintentintentiations uppontentiations	011402	electrical appliance							1													1	2	electrical appliance
10000 and consolidation evid and consolidation	011403	telecommunications						1									1						2	telecommunications
opportunity work opportunity work<	030107	river civil engineering work									1				1								2	
binological production service i i i i i i i i i i i i i i i i i i i	030109	engineering work				1		1															2	
000201 alk inds of retail 0 <td>050201</td> <td>general harbor transportation service</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>2</td> <td></td> <td>2</td> <td></td>	050201	general harbor transportation service								2													2	
90000 workpore retail 9	050202	port cargo handling service									1			1									2	port cargo handling service
00401 yarchousing 0	080201	all kinds of retail															1				1		2	all kinds of retail
10001 golf course 2 0	080205	newspaper retail			1								1										2	newspaper retail
010204 syeing 0 <td< td=""><td>080401</td><td>warehousing</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>1</td><td></td><td></td><td></td><td>1</td><td></td><td></td><td></td><td></td><td>2</td><td>warehousing</td></td<>	080401	warehousing												1				1					2	warehousing
010209 other textile products I	140301	golf course			2																		2	golf course
010309 other fiber products I<	010204	dyeing																	1				1	dyeing
010501 wood furniture I	010209	other textile products				1																	1	other textile products
010509 other furniture 0	010309	other fiber products																			1		1	other fiber products
other puly paper processing products I I I I other puly paper processing products 010000 encical fiber I <td>010501</td> <td>wood furniture</td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td></td> <td>1</td> <td>wood furniture</td>	010501	wood furniture					1																1	wood furniture
invasion									1														1	other furniture
010905 other ceramic products 0	010609	other pulp/paper processing products																				1	1	other pulp/paper processing products
011201 western tableware/cutting tool products I	010802	chemical fiber																				1	1	chemical fiber
011203 metal press products I<	010905	other ceramic products																		1			1	other ceramic products
011203 metal press products I<	011201	western tableware/cutting tool products				1																	1	
011602 city gas service I I I I I I I I City gas service 011603 city water service I I I I I I I City gas service 020202 gravel digging I <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>1</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>1</td><td>metal press products</td></t<>							1																1	metal press products
011602 city gas service I I I I I I I I City gas service 011603 city water service I I I I I I I City gas service 020202 gravel digging I <t< td=""><td>011302</td><td>measuring instruments</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>1</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>1</td><td>measuring instruments</td></t<>	011302	measuring instruments										1											1	measuring instruments
02020gravel digging1gravel digging02030other mining1 <t< td=""><td>011602</td><td>city gas service</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>1</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>1</td><td></td></t<>	011602	city gas service											1										1	
020309other miningII <td>011603</td> <td>city water service</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td></td> <td>1</td> <td>city water service</td>	011603	city water service										1											1	city water service
040103 airline service Image: Constraint of the service of the se	020202	gravel digging												1									1	gravel digging
040309 other land cargo transportation service Image: Constraint of the const	020309	other mining						1															1	other mining
040409 other transportation service I I I I other transportation service 08010 all kinds of wholesale I I I I I all kinds of wholesale 080203 furniture/fittings retail I I I I I all kinds of wholesale 090209 other advertisement and mediator I <td< td=""><td>040103</td><td>airline service</td><td></td><td>\square</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>1</td><td></td><td></td><td></td><td></td><td></td><td>1</td><td>airline service</td></td<>	040103	airline service		\square													1						1	airline service
040409 other transportation service I I I I other transportation service 08010 all kinds of wholesale I I I I I all kinds of wholesale 080203 furniture/fittings retail I I I I I all kinds of wholesale 090209 other advertisement and mediator I <td< td=""><td>040309</td><td>other land cargo transportation service</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>1</td><td></td><td>1</td><td></td></td<>	040309	other land cargo transportation service																			1		1	
080203 furniture/fittings retail Image: Constraint of the second se															1								1	other transportation service
080203 furniture/fittings retail Image: Constraint of the second se			\square	\square		1	i																1	
090209 other advertisement and mediator I		1															1						1	
120101 auto mobile practical training Image: Constraining Im								1															1	other advertisement and
140201 general restaurant	-						i															1	1	
			\square	\square	\square											1							1	
		-	\square											1									1	

40302 park and amusement park													1	1	park and amusement park
60101 public office								1						1	public office
70101 dispatch service					1									1	dispatch service
010106 soft drinks															soft drinks
010201 silk-reeling															silk-reeling
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										i —					painting products
010903 pottery products															pottery products
)10904 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		i													optical instruments
011304 watch products															watch products
011305 other precision machine products															other precision machine 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									i		ĺ				other coal mining
020209 other quarrying															other quarrying
020301 metal mining									j						metal mining
020302 petroleum mining									Ť					 i —	petroleum mining
030101 hydroelectric plant construction work															hydroelectric plant construction work
030103 subway construction work									ī						subway construction work
030104 railway construction work			ĺ						ij						railway construction work
030108 sand collapse prevention civil engineering work	1														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
	bathhouse																							bathhouse
130309	other health and hygiene service																							other health and hygiene service
150104	cremation service																							cremation service
	livestock process service																							livestock process service
170202	information processing service																							information processing service
	total		61	44	43	36	47	44	35	32	27	51	31	24	33	32	38	38	31	19	40	23	729	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