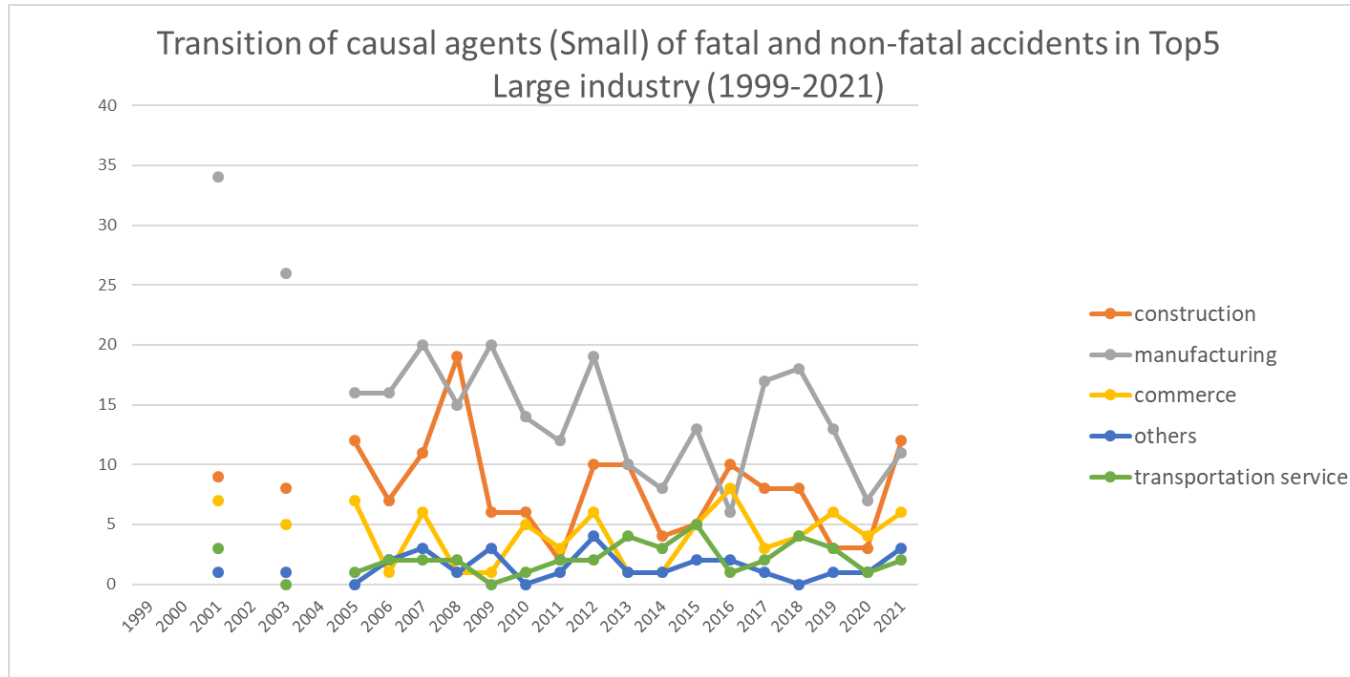
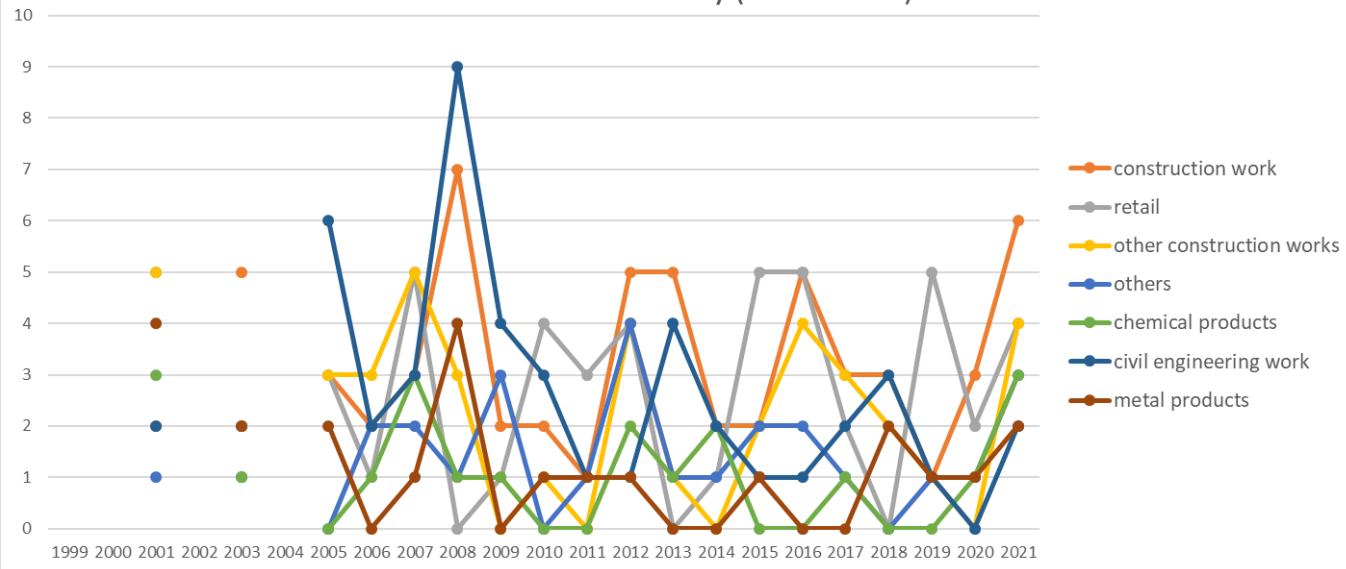


Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 111 engine (1999-2021)



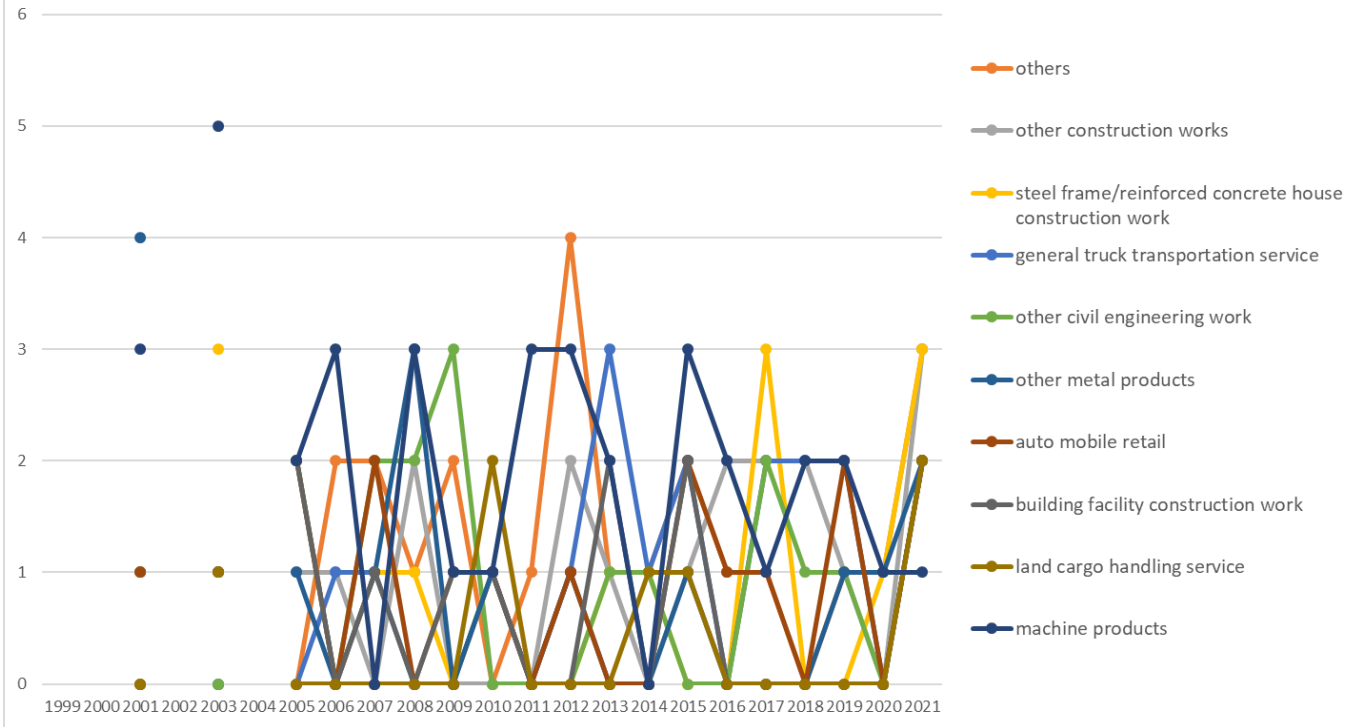
Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 111 engine in Large industry (1999-2021)

Transition of causal agents (Small) of fatal and non-fatal accidents in Top7 Middle 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 in Top10 Small 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 service		4			1		1		1			2	1	2						1	14	hotel/restaurant/amusement service		
11	telecommunication service					1				1		1		1							1	6	telecommunication service		
12	education/research service							1				1									1	3	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	
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 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	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	3		1	4	1	1	2	2	1		1	1	3	27	others	
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					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	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	

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			4	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	16	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			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			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	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	

010102	fishery products			3		1				1		1		1			1		1		10	fishery products		
011409	other electrical equipment			2		1		1						1		3			1		10	other electrical equipment		
030110	water supply/sewage construction work					1				1	5			1	1	1						10	water supply/sewage construction work	
070101	livestock			1		1		1	2					2				1	1		1	10	livestock	
010101	meat/dairy products							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			1					1		1						1	1		1		8	road construction work	
011703	cleaning			1								1	1	1				1	1		1	7	cleaning	
030202	wooden house construction work							1	1					1		1				1		1	7	wooden house construction work
060101	agriculture							1							2				2	1		7	agriculture	
011601	electric utility service					1		1		1				2								6	electric utility service	
020201	quarrying							1	1	2									1			6	quarrying	
030301	electricity/telecommunication work			3													1	1				6	electricity/telecommunication 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			1				1	1	1										2		6	fishery	
140309	other amusement service			1				1		1				1		1		1				6	other amusement service	
010602	paper processing products													1	1			2				5	paper processing products	
010801	non organic or organic chemical products							1	1					1		1					1	5	non organic or organic 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	
030111	port/seaside construction							2												1		5	port/seaside construction	

010601	pulp/paper								1		1											2	pulp/paper						
010806	rubber products			1							1												2	rubber products					
010902	glass products			1											1								2	glass products					
011101	nonferrous metals/rolling products												1							1			2	nonferrous metals/rolling products					
011202	screw products										1											1	2	screw products					
011204	metal plating products												1										1	2	metal plating products				
011403	electronics equipment and telecommunications apparatus								1														1	2	electronics equipment and telecommunications apparatus				
030107	river civil engineering work											1											1	2	river civil engineering work				
030109	land consolidation civil engineering work					1			1															2	land consolidation civil engineering work				
050201	general harbor transportation service																						2	general harbor transportation 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																					2	newspaper retail			
080401	warehousing																							1	1	2	warehousing		
120109	other education/research service																							1	1	2	other education/research 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

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 service																								information processing 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 : <https://anzeninfo.mhlw.go.jp/user/anzen/tok/anst00.htm> (MHLW, Japan)

https://www.jisha.or.jp/english/statistics/202212_03.html