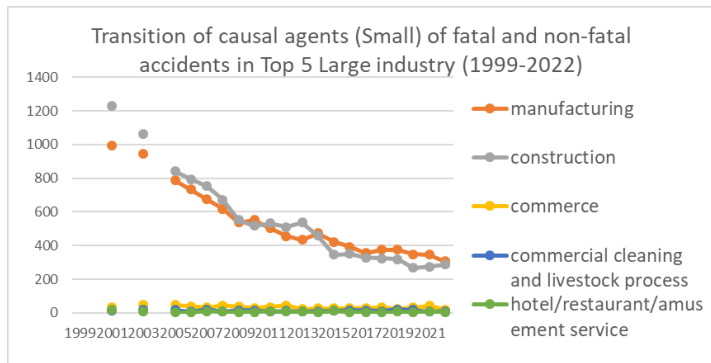
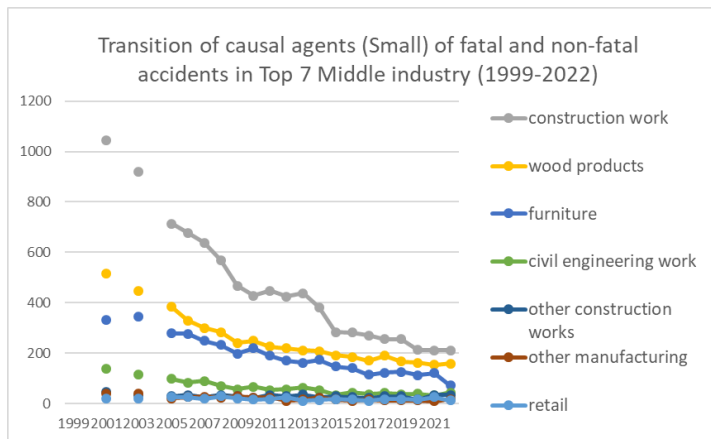


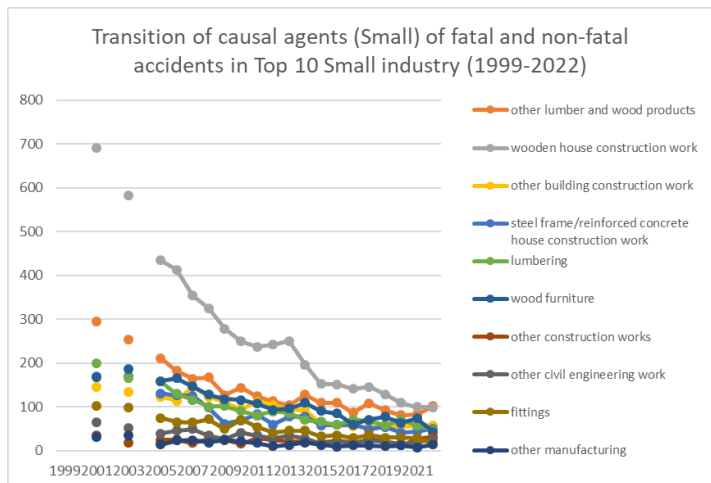
Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 131 circular sawing machine (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 131 circular sawing machine in Large industry (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 131 circular sawing machine in Middle Industry (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 131 circular sawing machine in Small Industry (1999-2022)

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 131 circular sawing machine in Large industry (1999-2022)

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	2022	total	Large industry
01	manufacturing			993		946		787	733	674	618	536	553	504	457	434	473	423	393	356	375	375	348	345	306	10,629	manufacturing
03	construction			1,228		1,065		840	795	752	672	553	517	533	510	536	459	345	350	329	324	320	267	276	288	10,959	construction
08	commerce			36		47		48	39	33	44	38	29	35	44	23	28	28	28	29	32	24	33	41	21	680	commerce
15	commercial cleaning and livestock process			15		21		17	9	19	8	15	15	9	13	9	10	12	16	14	11	19	18	7	11	268	commercial cleaning and livestock process
14	hotel/restaurant/amusement service			17		9		4	4	10	9	5	6	11	8	8	4	13	5	5	3	8	6	8	5	148	hotel/restaurant/amusement service
13	health and hygiene service			4		10		11	8	4	4	9	9	7	6	9	7	8	4	5	5	13	5	15	4	147	health and hygiene service
04	transportation service			19		18		12	6	12	20	9	12	9	9	11	7	9	9	10	2	5	9	1	3	192	transportation service
06	agriculture			24		11		12	3	10	9	4	8	13	12	10	11	6	4	7	5	8	5	9	3	174	agriculture
12	education/research service			1		2		8	2	5	4	5	5	6	6	8	3	6	8	6	3	9	5	4	3	99	education/research service
07	livestock/fishery			1		8		4	4	2	5	1	2	4	7		4	2	4	1	1	3	3	1	3	60	livestock/fishery
17	others			17		26		19	24	24	18	15	17	15	14	12	7	10	8	12	9	14	12	10	2	285	others
05	cargo handling service			8		5		9	11	4	5	4	4	6	3	3	8	4	4	1	2	5	3	3	2	94	cargo handling service
10	movie/play service			1				2	1	4	2	3	1		2	1	2	2	1	2	1		2	1	1	29	movie/play service
16	public office			2				1	1		1	1	1		1		1	1	1			1	4		1	17	public office
09	financial business/advertisement			3		2		1	1	1			3	1	2	1	3		3					1		22	financial business/advertisement
02	mining			1		2		1				1					1	1	1		1	1				10	mining
11	telecommunication service									1																1	telecommunication service
	total			2,370		2,172		1,776	1,641	1,555	1,419	1,199	1,182	1,153	1,094	1,065	1,028	870	839	777	774	805	721	721	653	23,814	total

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 131 circular sawing machine 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
0302	construction work			1,046		919		713	678	638	569	467	428	447	425	438	382	284	281	270	255	255	212	211	211	9,129	construction work
0104	wood products			517		446		384	330	300	284	241	248	225	220	211	208	191	185	170	189	167	161	154	158	4,989	wood products
0105	furniture			331		345		279	277	248	233	198	220	190	170	162	174	147	141	114	123	126	112	120	72	3,782	furniture
0301	civil engineering work			137		114		98	83	90	69	57	67	53	57	63	53	33	43	37	41	37	39	32	44	1,247	civil engineering work
0303	other construction works			45		32		29	34	24	34	29	22	33	28	35	24	28	26	22	28	28	16	33	33	583	other construction works
0117	other manufacturing			38		40		21	26	27	24	28	23	23	10	16	24	15	11	16	13	12	13	9	18	407	other manufacturing
0802	retail			20		19		26	26	19	28	20	16	18	23	10	14	17	16	10	17	17	16	26	12	370	retail
1501	commercial cleaning and livestock process			15		21		17	9	19	8	15	15	9	13	9	10	12	16	14	11	19	18	7	11	268	commercial cleaning and livestock process
0112	metal products			25		19		23	20	29	20	14	19	14	13	15	16	12	14	15	9	17	8	14	10	326	metal products
0115	transport equipment products			10		13		14	14	7	7	8	4	2	3	2	8	5	5	5	7	13	10	12	9	158	transport equipment products
0113	machine products			12		12		10	8	8	8	5	9	6	4	2	7	7	5	7	5	4	6	3	8	136	machine products
0108	chemical products			19		23		29	28	18	12	14	14	22	12	12	11	20	13	14	15	12	10	13	7	318	chemical products
0801	wholesale			10		16		15	8	9	12	14	7	13	14	12	6	9	7	13	7	5	14	11	7	209	wholesale
0109	sand and stone products			14		26		6	7	18	10	9	5	9	7	2	11	13	9	6	4	11	9	5	6	187	sand and stone products

0106	pulp/paper processing products			6		5		5	5	6	2	2	3	3	5	3	4	3	2	2	3	1	5	4	6	75	pulp/paper processing products
0101	food products			4		7		5	5	4	6	4	2	2	5	1	2	4	2	3	3	6	6	4	5	80	food products
1302	social welfare facility			2		10		8	8	3	4	5	7	7	6	7	6	7	4	4	4	12	4	12	4	124	social welfare facility
0403	road cargo transportation service			18		16		10	6	10	19	8	11	8	9	10	6	7	9	9	1	4	9	1	3	174	road cargo transportation service
1201	education/research service			1		2		8	2	5	4	5	5	6	6	8	3	6	8	6	3	9	5	4	3	99	education/research service
1402	restaurant			1				1			1			3		1	1	3		1	1			3	3	19	restaurant
1702	others			17		25		18	23	23	18	15	17	14	12	12	7	10	7	11	9	14	12	9	2	275	others
0601	agriculture			4		3		8	2	5	4	1	4	7	8	6	10	6	4	3	2	5	5	6	2	95	agriculture
0501	land cargo handling service			5		2		7	8	4	2	3	4	2	3	3	6	4	3		2	1	3	1	2	65	land cargo handling service
0114	electrical equipment products			2		4		4	5	4	4	2	2	1	2	5	2	2	3	3		3	3	3	2	56	electrical equipment products
1401	hotel			4		2		2	1	6	2	1	3	8		3		3	3		2	5	4	3	2	54	hotel
0110	steel making			2		2		3	1	2	4	5	2	4	2	1	3	3	1	1	1		2	2	2	43	steel making
0701	livestock			1		6		3	4	1	3	1	1	4	5		3	1	3	1	1	1	1	1	2	43	livestock
0107	printing/bookbinding			4		2		1			2	3			2		1		1		1	2		1	2	22	printing/bookbinding
0804	other commerce			6		12		7	5	5	3	4	6	4	7	1	8	2	5	6	8	2	3	4	1	99	other commerce
0602	forestry			20		8		4	1	5	5	3	4	6	4	4	1			4	3	3		3	1	79	forestry
1001	movie/play service			1				2	1	4	2	3	1		2	1	2	2	1	2	1		2	1	1	29	movie/play service
0111	nonferrous metal making			4		2		2	3		1		2	2	1	1	2	1	1			1	3		1	27	nonferrous metal making
0702	fishery					2		1		1	2		1		2		1	1	1			2	2		1	17	fishery
1601	public office			2				1	1		1	1	1		1		1	1	1			1	4		1	17	public office
0803	haircut/beauty salon										1														1	2	haircut/beauty salon
1403	other amusement service			12		7		1	3	4	6	4	3		8	4	3	7	2	4		3	2	2		75	other amusement service
0502	harbor transportation service			3		3		2	3		3	1		4			2		1	1		4		2		29	harbor transportation service
0902	advertisement and mediator			3		2		1	1	1			3	1	2	1	2		3			1				21	advertisement and mediator
1301	medical treatment service			2				3		1		2	1			1		1			1			2		14	medical treatment service
0102	textile products			3					1	1	1	2									2			1		11	textile products
1701	dispatch service					1		1	1	1				1	2				1	1				1		10	dispatch service
0202	quarrying			1		1		1				1					1	1	1		1	1				9	quarrying
1303	other health and hygiene service											2	1			1	1			1		1	1	1		9	other health and hygiene service
0401	railroad/water transportation/airline service			1		2							1			1	1		1		1					8	railroad/water transportation/airline service
0103	fiber products			2				1	3							1										7	fiber products
0402	road passenger transport service							1		1	1	1				1		1			1					7	road passenger transport service
0116	electric/gas/water service									2		1		1	1											5	electric/gas/water



010109	other foods			1		1		1	1		4	3	1		3	1	1			2	2	4	5	2	4	36	other foods
120109	other education/research service			1		2		7	2	5	4	4	5	6	6	7	2	4	7	6	3	9	5	4	3	92	other education/research service
150103	other waste disposal service			2		5		6	1	2	1	2	4		4			2	3	2	1	4	2	1	3	45	other waste disposal service
010609	other pulp/paper processing products			2		2		3		2	1	1		1	2	1	3	2		1	1			4	3	29	other pulp/paper processing products
011509	other transport equipment products			1		2		2	1	1					1		4		2	1	1	1	1	4	3	25	other transport equipment products
170209	others			16		25		17	23	23	17	14	16	14	12	12	6	9	7	11	9	13	11	9	2	266	others
040301	general truck transportation service			17		16		10	6	7	19	7	11	7	9	9	6	6	8	8	1	4	7	1	2	161	general truck transportation service
060101	agriculture			4		3		8	2	5	4	1	4	7	8	6	10	6	4	3	2	5	5	6	2	95	agriculture
010909	other sand and stone products			6		15		3	3	13	5	3	3	6	2	1	1	6	5	1	1	4	3	1	2	84	other sand and stone products
030110	water supply/sewage construction work			11		5		6	5	7	10	4	3	2	8	2	1	3	3	1	1			1	2	75	water supply/sewage construction work
050101	land cargo handling service			5		2		7	8	4	2	3	4	2	3	3	6	4	3		2	1	3	1	2	65	land cargo handling service
140101	hotel			4		2		2	1	6	2	1	3	8		3		3	3		2	5	4	3	2	54	hotel
030105	bridge construction work			3		7		6		2	2	1	5	1	3		5		1		3	1	1	1	2	44	bridge construction work
070101	livestock			1		6		3	4	1	3	1	1	4	5		3	1	3	1	1	1	1	1	2	43	livestock
010602	paper processing products			3		2		2	4	3		1	3	2	3	1	1	1	2		2	1	3		2	36	paper processing products
010899	other chemical products			2		3		4	2	2	1	1	1				3			1	1	1		1	2	25	other chemical products
010701	printing service			4		2		1				3							1			2		1	2	17	printing service
140201	general restaurant			1				1			1			3		1		3		1	1			3	2	17	general restaurant
011009	other steel products			1		2		2			1	1	1	2					1						2	13	other steel products
080409	other commerce			5		9		7	5	5	2	3	5	4	3	1	6	2	5	6	7	2	2	4	1	84	other commerce
030107	river civil engineering work			7		8		5	7	3	5	4	5	2	1	6	1	3	2	1	2	2	9		1	74	river civil engineering work
030302	machinery/apparatus setting work			7		4		3	5	4	4	4	3	3	1	8	1	2	2	3	1	4	3	2	1	65	machinery/apparatus setting work
011501	ship building			7		5		3	4	2	5	3	1			1	2	5	3	2	3	5	2	3	1	57	ship building
080201	all kinds of retail			2		5		4	5	2	5	4	2	1	1	2	1	2	1		2		1	2	1	43	all kinds of retail
060201	lumbering			6		2		1	1		2	2	1	4	1	4	1			1	1	1		2	1	31	lumbering
011409	other electrical equipment			1				4	3	1	2	2	1		1	2	1	2	3	2		2	1	1	1	30	other electrical equipment
080203	furniture/fittings retail							3	3	1	3	2	1	1	1	2	2	1	2	1	1	1			1	26	furniture/fittings retail
100109	other movie/play service							2	1	2	1	2			2	1	1	2	1	1			2		1	19	other movie/play service
160101	public office			2				1	1		1	1	1		1		1	1	1				1	4		17	public office
030104	railway construction work			1				1			1	4		2				1			1			1		13	railway construction work
010101	meat/dairy products			1		3		2	1	1					1				1					1		12	meat/dairy products
070209	other fishery					1		1		1	1		1				1	1	1			2	1		1	12	other fishery
030111	port/seaside construction work			1		1		1								1	1				1	1	2	1	1	11	port/seaside construction work
010601	pulp/paper			1		1		1	1	1					1				1			2		1		10	pulp/paper
011302	measuring instruments			1		1					2	1	1					1							1	8	measuring instruments
011101	nonferrous metals/rolling products			1					1				1		1	1							1		1	7	nonferrous metals/rolling products
040302	specific truck transportation			1							1							1		1				1		7	specific truck transportation

	service																								service				
011402	electrical appliance								1	1														1	1	5	electrical appliance		
140209	other restaurants																									1	2	other restaurants	
080301	haircut																										1	1	haircut
030301	electricity/telecommunication work				4		10		2	4	2	3	1	3	2	2	7	3	7	2	3	1	4	1	4		65	electricity/telecommunication work	
060209	other forestry				14		6		3		5	3	1	3	2	3					3	2	2		1		48	other forestry	
150109	other cleaning and livestock process service				3		5		1	4	4	1	4	3		2	3	2	1	3	1	1	2	3			43	other cleaning and livestock process service	
140309	other amusement service				4		2				2	1	2	3		4		1	3	2	3		2	2	1		32	other amusement service	
140301	golf course				6		5			2	2	3	1			2	1	2	3								1	28	golf course
011002	casting products								1	1	2	2	4	1	2	2		2	2		1			1	2		23	casting products	
050202	port cargo handling service				3		3		2	2		2	1		2			1		1	1			2		2		22	port cargo handling service
090209	other advertisement and mediator				3		2		1	1	1			3	1	2	1	2		3				1				21	other advertisement and mediator
011203	metal press products				3		1		1		2	1	1	2		1		1		1	1			3	1	1		20	metal press products
030108	sand collapse prevention civil engineering work				3		3		2		3	1	1		2	1		2			1							20	sand collapse prevention civil engineering work
080102	furniture/fittings wholesale						1			1	1	1	1				1		4		2	2		3	1		18	furniture/fittings wholesale	
010102	fishery products				1		1		2	3	2	1	1	1	1			1	1			1			1			17	fishery products
011702	machine repair				1		1		3		1	2	1	1	1		1	1			2			1	1			17	machine repair
011305	other precision machine products						3		1	2	2			1	1	1				1	1			2	1			16	other precision machine products
010801	non organic or organic chemical products						1		2	2	1	1	1	3	1					1	1					1		15	non organic or organic chemical products
080401	warehousing				1		3					1	1	1		4		2				1		1				15	warehousing
140302	park and amusement park				2				1	1		2	1			2	3		1		1		1					15	park and amusement park
011109	other nonferrous metal products				1		2		2	2		1		1	2	1		1	1									14	other nonferrous metal products
011403	electronics equipment and telecommunications apparatus				1		3			1	1	1		1	1		2				1			1	1			14	electronics equipment and telecommunications apparatus
030102	tunnel construction work				1		2		2	1	1	1					1			2	2							13	tunnel construction work
080101	all kinds of wholesale				1		1			1	1		2				1	2			2		1	1				13	all kinds of wholesale
080204	fuel retail				1		1		1		2	1	1		1	2	1					1			1			13	fuel retail
130101	hospital				2				3				1				1		1			1				2		11	hospital
010806	rubber products						1			2		1	3	1					1					1				10	rubber products
100101	movie production and delivery service				1					2	1	1	1				1			1	1				1			10	movie production and delivery service
170101	dispatch service						1		1	1	1				1	2				1	1					1		10	dispatch service
010502	metal furniture				1					2	2	1		1								1		1				9	metal furniture
170201	security service				1				1			1	1	1				1	1				1	1				9	security service
010903	pottery products				1		1		1					1			1	1	1			1						8	pottery products
010104	bread/cake products				1					1	1					1			2	1								7	bread/cake products
010809	chemical fertilizer products						1		2	1	1				1							1						7	chemical fertilizer products
011001	steel/iron/rolling products				1							1				1	1	1				1		1				7	steel/iron/rolling products

011401	heavy electrical equipment					1				1	1								1		1			7	heavy electrical equipment
030101	hydroelectric plant construction work			3						1	1									2				7	hydroelectric plant construction work
080202	auto mobile retail			1		1				1		1							1	1	1			7	auto mobile retail
010209	other textile products			1				1	1	1									2					6	other textile products
010902	glass products			1												2						2		6	glass products
011102	nonferrous metals casting products			2															1		1	2		6	nonferrous metals casting products
040101	railroad service			1		1									1	1				1				6	railroad service
130301	bathhouse									1	1					1			1		1	1		6	bathhouse
010309	other fiber products			2				1	1							1								5	other fiber products
010808	painting products			2						1						1				1				5	painting products
010905	other ceramic products														1				1		2			5	other ceramic products
011201	western tableware/cutting tool products			2				1		1					1									5	western tableware/cutting tool products
011204	metal plating products							1							1				1			1		5	metal plating products
011503	railway vehicle products							1		1	1					1				1				5	railway vehicle products
020201	quarrying					1		1			1					1			1					5	quarrying
040202	bus service							1		1	1								1					5	bus service
070201	fishery					1									2						1			5	fishery
120101	auto mobile practical training							1			1					1	1			1				5	auto mobile practical training
010105	alcoholic drinks					1									1				1					4	alcoholic drinks
010709	other printing and bookbinding									1						1				1				4	other printing and bookbinding
010807	leather products							2			2													4	leather products
010904	fire resisting products					1				1						1					1			4	fire resisting products
040309	other land cargo transportation service							1							1				1					4	other land cargo transportation service
050209	other harbor transportation service														1				1			2		4	other harbor transportation service
010103	agricultural food products					1															1	1		3	agricultural food products
010203	weaving			2																		1		3	weaving
010803	pharmaceuticals									1									1			1		3	pharmaceuticals
010804	petroleum/coal products							1		1					1									3	petroleum/coal products
011602	city gas service									2					1									3	city gas service
011703	cleaning					1														1	1			3	cleaning
030103	subway construction work							1	1		1													3	subway construction work
040409	other transportation service							1		1						1								3	other transportation service
050201	general harbor transportation service							1		1					1									3	general harbor transportation service
130309	other health and hygiene service															1					1			3	other health and hygiene service
010301	over/under wear							2																2	over/under wear
010802	chemical fiber			1																		1		2	chemical fiber
011603	city water service									1		1												2	city water service
011704	tobacco products			2																				2	tobacco products





Data source : <https://anzeninfo.mhlw.go.jp/user/anzen/tok/anst00.html> (MHLW, Japan)

[https://www.jisha.or.jp/english/statistics/202311\\_12.html](https://www.jisha.or.jp/english/statistics/202311_12.html)