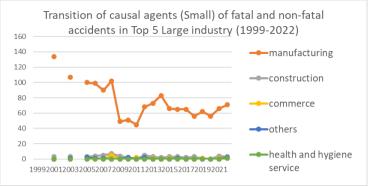
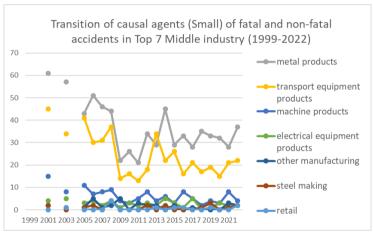
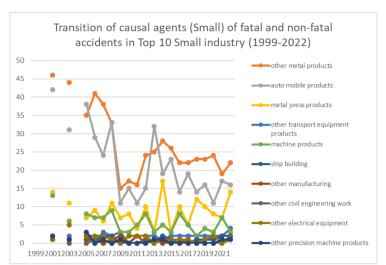
Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 339 other welding equipment (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 339 other welding equipment in Large industry (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 339 other welding equipment in Middle Industry (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 339 other welding equipment in Small Industry (1999-2022)

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 339 other welding equipment in Large industry (1999-2022)

Trans	tion of causal agents (Sinan) of fat	ai aiic	ı non-	ratar t	icciuc	iits as	couc	110. 55) Our	or were	anng C	quipii	icht ii	i Laig	C maa	istry (1777-	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			134		107		100	99	90	102	49	51	45	68	73	83	66	65	65	56	62	56	66	71	1,508	manufacturing
03	construction			3		3		3	4	5	7	4	2		5	3	2	3	3	2	3	1		4	3	60	construction
08	commerce					1			1		5			2		1		1	1			1		1	2	16	commerce
17	others					1		2	1	1			2		2				1						2	12	others
13	health and hygiene service																								1	1	health and hygiene service
15	commercial cleaning and livestock process			1					1	1		1		1			1					2	2	1		11	commercial cleaning and livestock process
04	transportation service			1							1				1					1			1	1		6	transportation service
14	hotel/restaurant/amusement service			1																		1		1		3	hotel/restaurant/amusement service
02	mining							1																		1	mining
11	telecommunication service								1																	1	telecommunication service
05	cargo handling service																										cargo handling service
06	agriculture																										agriculture
07	livestock/fishery																										livestock/fishery
09	financial business/advertisement																										financial business/advertisement
10	movie/play service																										movie/play service
12	education/research service																										education/research service
16	public office																										public office
	total			140		112		106	107	97	115	54	55	48	76	77	86	70	70	68	59	67	59	74	79	1,619	total

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 339 other welding equipment 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	1 2022	total	Middle industry
0112 metal products			61		57		43	51	46	44	22	26	21	34	29	45	29	33	28	35	33	32	28	37	734	metal products

0115	transport equipment products		45	34	41	30	31	37	14	16	13	18	34	22	26	16	21	17	19	15	21	22	492	transport equipment products
0113	machine products		15	8	11	7	8	9	4	3	5	8	4	6	3	8	5	2	4	3	8	4	125	machine products
0114	electrical equipment products		4	5	3	4	2	4	1	3	2	3	2	5	3	1	5		1	3	2	2	55	electrical equipment products
0117	other manufacturing	[2	2	1	1	5	1	2	5		3	2	2		2		1				3	2	32	other manufacturing
0110	steel making		2		1	2		4				2		2				1	3		1	2	20	steel making
0802	retail			1				4					1		1	1			1			2	11	retail
0301	civil engineering work		1			1	1		1	1		1		1							1	2	10	civil engineering work
0302	construction work		2	2	2		3	4	2			2	1		2	2	1	1			1	1	26	construction work
	chemical products									2		1		1		2	1			2		1	10	chemical products
1702	others			1	2	1				2												1	7	others
	dispatch service						1					2				1						1	5	dispatch service
	fiber products										1						1					1	3	fiber products
1302	social welfare facility																					1	1	social welfare facility
0303	other construction works			1	1	3	1	3	1	1		2	2	1	1	1	1	2	1		2		24	other construction works
0109	sand and stone products		2	2				1	1						2	1	1	1	1	1	1		14	sand and stone products
0105	furniture		1				2		1						1	3	2				1		11	furniture
1501	commercial cleaning and livestock process		1			1	1		1		1			1					2	2	1		11	commercial cleaning and livestock process
0403	road cargo transportation service		1					1				1					1			1	1		6	road cargo transportation service
0111	nonferrous metal making		1										1	1					1				4	nonferrous metal making
0801	wholesale							1			2										1		4	wholesale
0101	food products								1	1													2	food products
0102	textile products							1								1							2	textile products
0107	printing/bookbinding		1											1									2	printing/bookbinding
1402	restaurant																		1		1		2	restaurant
0104	wood products																				1		1	wood products
0106	pulp/paper processing products												1										1	pulp/paper processing products
0202	quarrying				1																		1	quarrying
0804	other commerce					1																	1	other commerce
1101	telecommunication service					1																	1	telecommunication service
1401	hotel		1																				1	hotel
0116	electric/gas/water service																							electric/gas/water service
0201	coal mining						ī		1				İ	Ī					ĺ					coal mining
0203	other mining																							other mining
																								railroad/water

0401	railroad/water transportation/airline service																							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
0601	agriculture																							agriculture
0602	forestry																							forestry
0701	livestock																							livestock
0702	fishery																							fishery
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
1201	education/research service																							education/research service
1301	medical treatment service																							medical treatment service
1303	other health and hygiene service																							other health and hygiene service
1403	other amusement service																							other amusement service
1601	public office																							public office
	total		140	112	106	107	97	115	54	55	48	76	77	86	70	70	68	59	67	59	74	79	1,619	total

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 339 other welding equipment 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
011209	other metal products			46		44		35	41	38	33	15	17	16	24	25	28	26	22	22	23	23	24	19	22	543	other metal products
011502	auto mobile products			42		31		38	29	24	33	11	15	11	15	32	19	23	14	19	14	16	11	17	16	430	auto mobile products
011203	metal press products			14		11		7	9	6	11	7	8	4	10	3	17	3	10	5	12	10	8	7	14	176	metal press products
011509	other transport equipment products			2		2		2		3	2	3		2	2	2	1	2	2	2	2	2	2	2	4	39	other transport equipment products
011301	machine products			13		6		8	7	7	9	3	3	5	8	3	5	3	8	5	2	4	3	7	3	112	machine products
011501	ship building			1		1		1	1	2	2				1		2	1			1	1	1	2	2	19	ship building
011709	other manufacturing			1		1		1	1		1	2		2		1				1					2	13	other manufacturing
030199	other civil engineering work			1					1	1		1			1		1								2	8	other civil engineering work
	other electrical equipment			1		5		2	2	2	1		2	2	2		1	1	1	1		1	2		1	27	other electrical equipment
011305	other precision machine products			2		1		3		1		1				1	1							1	1	12	other precision machine products

steel frame/reinforced 030201 concrete house construction work		2				2	1	1			1	1			1	1				1	1	12	steel frame/reinforced concrete house construction work
011201 western tableware/cutting tool products		1	1	1		1			1			1				1				1	1	9	western tableware/cutting tool products
011001 steel/iron/rolling products		1		1			2				1						1	1			1	8	steel/iron/rolling products
010805 plastics products									2						1	1			2		1	7	plastics products
011009 other steel products		1			1		1						2							1	1	7	other steel products
011401 heavy electrical equipment		1			1				1				2			1					1	7	heavy electrical equipment
080209 other retails			1				2					1									1	5	other retails
170101 dispatch service						1					2				1						1	5	dispatch service
010309 other fiber products										1						1					1	3	other fiber products
080202 auto mobile retail															1			1			1	3	auto mobile retail
130201 social welfare facility									i		i		Ï								1	1	social welfare facility
170201 security service				İ	İ					İ	İ		İ								1	1	security service
030309 other construction works			1		3	1	2	1		İ	2	2		1	1	1	2			2	╁	19	other construction works
011701 auto mobile servicing					4	1	1	3		i	2	1		2		i	i			3		17	auto mobile servicing
electronics equipment and telecommunications apparatus		1		1			2	1			1	2	1			1			1	2		13	electronics equipment and telecommunications apparatus
030209 other building construction work			1	2		1		1			1			2	1		1					10	other building construction work
010502 metal furniture		1				1		1						1	3	1				1		9	metal furniture
010901 cement products		2	1				1							1			1	1	1	1		9	cement products
011402 electrical appliance		1			1		1						1	2		2						8	electrical appliance
150102 industrial waste management service		1			1								1					2	2	1		8	industrial waste management service
170209 others			1	2	1				2													6	others
010909 other sand and stone products			1					1						1	1	1						5	other sand and stone products
011002 casting products					1		1				1							2				5	casting products
030302 machinery/apparatus setting work				1			1		1				1					1				5	machinery/apparatus setting work
011202 screw products			1			1				1					1							4	screw products
011503 railway vehicle products						2			1										1			4	railway vehicle products
030203 building facility construction work			1				3															4	building facility construction work
040301 general truck transportation service							1				1								1	1		4	general truck transportation service
080109 other wholesale							1			2										1		4	other wholesale
011109 other nonferrous metal products		1										1						1				3	other nonferrous metal products
010209 other textile products							1								1							2	other textile products
011204 metal plating products					1															1		2	metal plating products
011702 machine repair		1								1												2	machine repair
				1	1	1	1		1	1	1		1		1	1	1		1			1	

080204 fuel retail							2													2	fuel retail
140201 general restaurant																	1		1	2	general restaurant
150101 building maintenance service						1		1												2	building maintenance service
010101 meat/dairy products									1											1	meat/dairy products
010109 other foods								1												1	other foods
010409 other lumber and wood products																			1	1	other lumber and wood products
010501 wood furniture						1		i	i	i		П				П				1	wood furniture
010509 other furniture								İ	i							1				1	other furniture
010609 other pulp/paper processing products												1								1	other pulp/paper processing products
010702 bookbinding						i —						\Box	1			П				1	bookbinding
010709 other printing and bookbinding		1																		1	other printing and bookbinding
010801 non organic or organic chemical products													1							1	non organic or organic chemical products
010806 rubber products															1					1	rubber products
010899 other chemical products											1									1	other chemical products
011102 nonferrous metals casting products													1							1	nonferrous metals casting products
011302 measuring instruments			1																	1	measuring instruments
020201 quarrying				1																1	quarrying
030106 road construction work																			1	1	road construction work
030110 water supply/sewage construction work									1											1	water supply/sewage construction work
040302 specific truck transportation service		1																		1	specific truck transportation service
040309 other land cargo transportation service																1				1	other land cargo transportation service
080201 all kinds of retail														1						1	all kinds of retail
080409 other commerce					1															1	other commerce
110101 telecommunication service					1															1	telecommunication service
140101 hotel		1																		1	hotel
150103 other waste disposal service										1										1	other waste disposal service
010102 fishery products																					fishery products
010103 agricultural food products																					agricultural food products
010104 bread/cake products																					bread/cake products
010105 alcoholic drinks																					alcoholic drinks
010106 soft drinks																					soft drinks
010201 silk-reeling																					silk-reeling
010202 cotton-spinning																					cotton-spinning
010203 weaving																					weaving
010204 dyeing																					dyeing
010301 over/under wear																					over/under wear
	ı i					1	1	1	1	11				ii —				1			

010401 lumbering																		lumbering
010402 plywood																		plywood
010503 fittings																		fittings
010601 pulp/paper																		pulp/paper
010602 paper processing products																		paper processing products
010701 printing service				ĺ														printing service
010802 chemical fiber																		chemical fiber
010803 pharmaceuticals		ĺ																pharmaceuticals
010804 petroleum/coal products																		petroleum/coal products
010807 leather products																		leather products
010808 painting products																		painting products
010809 chemical fertilizer products																		chemical fertilizer products
010902 glass products		Ti							一									glass products
010903 pottery products		ĺ																pottery products
010904 fire resisting products		Ĭ							$\overline{\Box}$									fire resisting products
010905 other ceramic products																		other ceramic products
011101 nonferrous metals/rolling products																		nonferrous metals/rolling products
011303 optical instruments																		optical instruments
011304 watch products	i								П	П							Ti	watch products
011601 electric utility service	i															<u> </u>	Tr	electric utility service
011602 city gas service																		city gas service
011603 city water service										П								city water service
011609 other electric/gas/water service																		other electric/gas/water service
011703 cleaning																		cleaning
011704 tobacco products			i	i					一	$\overline{}$							Ti	tobacco products
020101 general coal mining										$\overline{\Box}$							Ti	general coal mining
020109 other coal mining		Ĭ																other coal mining
020202 gravel digging																		gravel digging
020209 other quarrying		T							一									other quarrying
020301 metal mining																		metal mining
020302 petroleum mining																		petroleum mining
020309 other mining							\Box		一	一				i			T	other mining
030101 hydroelectric plant construction work																		hydroelectric plant construction work
030102 tunnel construction work		T i	Ti	Ti-			\Box		一	\Box	T i	T i						tunnel construction work
030103 subway construction work		T	Ti	Ti-		\Box	\Box		一	П	i	Ti	Mi	T				subway construction work
030104 railway construction work		i	i			\Box	\Box		一	\Box				T			Ti	railway construction work
030105 bridge construction work		i					\Box		一	\Box				T			Ti	bridge construction work
030107 river civil engineering work							\Box		一	一				T			T	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
030111 port/seaside construction work												port/seaside construction work
030202 wooden house construction work												wooden house 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
040303 cargo/ light automobile transportation service												cargo/ light automobile 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
060101 agriculture												agriculture
060201 lumbering												lumbering
060209 other forestry												other forestry
070101 livestock												livestock
070201 fishery												fishery
070209 other fishery												other fishery
080101 all kinds of wholesale												all kinds of wholesale
080102 furniture/fittings wholesale												furniture/fittings wholesale
080203 furniture/fittings retail												furniture/fittings retail
080205 newspaper retail												newspaper retail
080301 haircut			i						İ		ī	haircut
080302 beauty salon			i									beauty salon
080401 warehousing									i		i	warehousing
090101 banking/trust business		i						٦H	i		i	banking/trust business
090102 stock/commodity trade business												stock/commodity trade business
090103 insurance business							Ti					insurance business
090109 other financial business	$\exists \vdash$		i					٦H	i		Ť	other financial business
090201 traveling service	$\lnot \vdash$		i					٦H	i			traveling service
090209 other advertisement and mediator												other advertisement and mediator

		:	_	:	=		_	:	_	:	_	:	-	-	-		:	-	:	:	-	:	-	-	-	-	-
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
120101	auto mobile practical training																										auto mobile practical training
120102	software service																										software service
120109	other education/research service																										other education/research service
130101	hospital																										hospital
130102	general clinic																										general clinic
130109	other medical treatment service																										other medical treatment service
	bathhouse																										bathhouse
130309	other health and hygiene service																										other health and hygiene service
140209	other restaurants																										other restaurants
140301	golf course																										golf course
140302	park and amusement park																										park and amusement park
140309	other amusement service																										other amusement service
150104	cremation service																										cremation service
	livestock process service																										livestock process service
150109	other cleaning and livestock process service																										other cleaning and livestock process service
160101	public office																										public office
170202	information processing service																										information processing service
	total			140		112		106	107	97	115	54	55	48	76	77	86	70	70	68	59	67	59	74	79	1,619	total

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

https://www.jisha.or.jp/english/statistics/202311_12.html