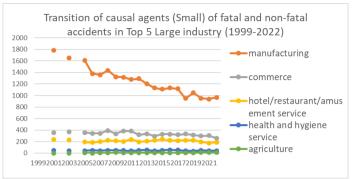
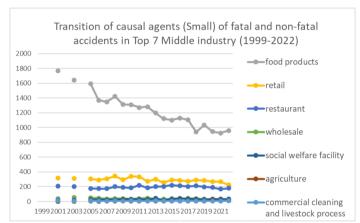
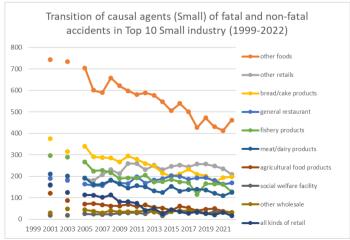
Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 165 food manufacturing machine (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 165 food manufacturing machine in Large industry (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 165 food manufacturing machine in Middle Industry (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 165 food manufacturing machine in Small Industry (1999-2022)

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 165 food manufacturing 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			1,785		1,652		1,612	1,381	1,358	1,437	1,324	1,317	1,280	1,293	1,206	1,130	1,112	1,133	1,118	950	1,046	953	938	968	24,993	manufacturing
08	commerce			359		372		359	345	345	391	336	384	382	319	336	293	329	331	318	333	317	298	306	260	6,713	commerce
14	hotel/restaurant/amusement service			240		231		193	185	201	220	214	204	239	195	208	220	241	221	219	224	224	198	175	189	4,241	hotel/restaurant/amusement service
13	health and hygiene service			45		44		41	48	43	49	51	45	40	51	56	39	51	56	52	42	34	48	43	44	922	health and hygiene service
06	agriculture			2				3	2	4	4	12	4	4	9	9	6	8	5	8	6	5	15	10	12	128	agriculture
15	commercial cleaning and livestock process			11		4		10	7	5	10	4	10	7	5	12	5	8	3	6	4	5	4	6	10	136	commercial cleaning and livestock process
17	others			22		25		25	21	19	20	12	16	26	21	10	19	18	12	11	12	18	17	14	7	345	others
12	education/research service			3		7		8	9	14	13	6	9	4	5	4	4	6	5	7	8	7	10	8	5	142	education/research service
07	livestock/fishery			4		4		3	1	4	2	2		4	1	4	2	5	6	1	2	2	2	2	3	54	livestock/fishery
04	transportation service			2				1		2	3	1				2	1	1		2	2		1		2	20	transportation service
16	public office			2		3		7	1		2		2	2	1	1	1	1	1		4		1		1	30	public office
05	cargo handling service					1		3	2	1		2		2		1	3	2	1						1	19	cargo handling service
03	construction			1		1		1		2		2	1	1		1		1	2	1	1			1	1	17	construction
10	movie/play service					2			1	2	1			1		1		1	1							10	movie/play service
09	financial business/advertisement					1		1	1	1		1			1	1			1	1						9	financial business/advertisement
02	mining																						1			1	mining
11	telecommunication service														1											1	telecommunication service
	total			2,476		2,347		2,267	2,004	2,001	2,152	1,967	1,992	1,992	1,902	1,852	1,723	1,784	1,778	1,744	1,588	1,658	1,548	1,503	1,503	37,781	total

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 165 food manufacturing 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
010	food products			1,769	=	1,642										1,198								-	=	=	food products
0802	retail			317		312		304	292	309	344	293	341	334	272	301	257	292	287	271	292	284	269	267	225	5,863	retail
1402	restaurant			210		202		176	173	175	201	190	184	221	186	201	203	220	211	205	211	199	189	169	180	3,906	restaurant
080	wholesale			40		55		47	46	35	40	39	35	39	45	34	32	36	41	41	39	32	25	35	32	768	wholesale
1302	social welfare facility			19		18		25	23	22	23	28	30	30	25	41	16	35	39	35	32	25	35	32	32	565	social welfare facility
060	agriculture			2				3	2	4	4	12	4	4	9	8	6	8	5	8	6	5	15	10	12	127	agriculture
1501	commercial cleaning and livestock process			11		4		10	7	5	10	4	10	7	5	12	5	8	3	6	4	5	4	6	10	136	commercial cleaning and livestock process
1301	medical treatment service			26		26		16	24	17	24	19	12	8	24	13	21	15	15	13	10	9	12	8	9	321	medical treatment service
1702	others			19		20		22	20	15	17	12	13	25	18	10	17	18	10	10	11	18	15	13	6	309	others
140	hotel			22		18		15	11	18	14	19	14	14	7	6	9	11	5	10	8	17	6	5	6	235	hotel
1201	education/research service			3		7		8	9	14	13	6	9	4	5	4	4	6	5	7	8	7	10	8	5	142	education/research service
1403	other amusement service			8		11		2	1	8	5	5	6	4	2	1	8	10	5	4	5	8	3	1	3	100	other amusement service
0804	other commerce			2		5		8	7	1	7	4	8	9	2	1	4	1	3	6	2	1	4	4	3	82	other commerce
0113	machine products			3		5		4	2	4	3	3	2	2	3		6	4		10	4	2	4	7	3	71	machine products
0117	other manufacturing			4		2		7	2	2	9	3	3	5	5	4	2	4	1	2	3	4	3	3	3	71	other manufacturing
1303	other health and hygiene service								1	4	2	4	3	2	2	2	2	1	2	4			1	3	3	36	other health and hygiene service

	livestock	<u> </u>	3	1	<u> </u>	<u> </u>	1	1	1	1	<u> </u>	3	<u> </u>	2	1	4	3	<u> </u>	1	2	2	2	2	30	livestock
0108	chemical products	<u> </u>	1	1	<u> </u>	2	1	2	<u> </u>	4	<u> </u>	1	1	1		2	1	<u> </u>	2	<u> </u>	1	1	2	23	chemical products
0403	road cargo transportation service		2			1		2	3	1				1				1	2		1		2	16	road cargo transportation serv
1701	dispatch service		3	5		3	1	4	3		3	1	3		2		2	1	1		2	1	1	36	dispatch service
1601	public office		2	3		7	1		2		2	2	1	1	1	1	1		4		1		1	30	public office
0702	fishery		1	3		3		3	1	1		1	1	2	1	1	3	1	1				1	24	fishery
0501	land cargo handling service			1		3	1	1		2		2		1	3	2	1						1	18	land cargo handlin service
	pulp/paper processing products		2				1		3														1	7	pulp/paper process products
0302	construction work			1				1			1	1						1				1	1	7	construction work
	transport equipment products						1	1															1	3	transport equipment products
0112	metal products		1	1		3	2			1	2						1	1		2				14	metal products
0303	other construction works		1			1		1		2				1		1	2		1					10	other construction works
1001	movie/play service			2			1	2	1			1		1		1	1							10	movie/play service
	printing/bookbinding					1	2			1			2	1						1				8	printing/bookbind
0901	financial business					1	1	1		1				1										5	financial business
0109	sand and stone products		1											1		1		1						4	sand and stone products
0401	railroad/water transportation/airline service													1	1	1		1						4	railroad/water transportation/airl service
0902	advertisement and mediator			1									1				1	1						4	advertisement and mediator
0104	wood products		3																					3	wood products
0111	nonferrous metal making		1	1					1															3	nonferrous metal making
0102	textile products							1							1									2	textile products
	electrical equipment products					1								1										2	electrical equipme products
0103	fiber products											1												1	fiber products
0202	quarrying																				1			1	quarrying
	harbor transportation service						1																	1	harbor transportat service
0602	forestry													1										1	forestry
1101	telecommunication service												1											1	telecommunicatio service
0105	furniture																								furniture
0110	steel making																								steel making
	electric/gas/water service																								electric/gas/water service
0201	coal mining																								coal mining
0203	other mining																								other mining
0301	civil engineering work																								civil engineering work

0402	road passenger transport service																							road passenger transport service
0404	other transportation service																							other transportation service
0803	haircut/beauty salon																							haircut/beauty salon
	total		2,476	2,347	2,267	2,004	2,001	2,152	1,967	1,992	1,992	1,902	1,852	1,723	1,784	1,778	1,744	1,588	1,658	1,548	1,503	1,503	37,781	total

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 165 food manufacturing machine in Small industry (1999-2022)

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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
010109	other foods			744		735		705	601	590	658	622	598	580	589	578	547	506	539	501	427	472	431	413	462	11,298	other foods
080209	other retails			156		187		191	180	207	231	212	260	259	231	251	231	246	252	244	257	257	248	235	208	4,543	other retails
010104	bread/cake products			375		316		340	291	288	285	267	294	279	260	248	215	200	211	233	209	202	174	193	198	5,078	bread/cake products
140201	general restaurant			190		181		163	158	156	181	168	166	198	168	182	188	203	200	186	192	193	180	163	169	3,585	general restaurant
010102	fishery products			297		289		267	224	228	217	190	192	192	205	173	175	185	174	170	116	165	164	162	128	3,913	fishery products
010101	meat/dairy products			211		202		192	162	163	182	163	145	156	151	132	124	153	131	137	140	136	120	109	125	3,034	meat/dairy products
010103	agricultural food products			121		87		71	73	67	62	62	69	59	66	55	52	41	61	53	39	47	49	37	32	1,203	agricultural food products
130201	social welfare facility			19		18		25	23	22	23	28	30	30	25	41	16	35	39	35	32	25	35	32	32	565	social welfare facility
080109	other wholesale			29		48		44	37	30	40	34	35	34	41	33	30	36	39	40	37	29	23	34	30	703	other wholesale
080201	all kinds of retail			161		125		113	112	102	113	81	81	75	41	49	26	45	34	27	35	27	20	32	16	1,315	all kinds of retail
060101	agriculture			2				3	2	4	4	12	4	4	9	8	6	8	5	8	6	5	15	10	12	127	agriculture
140209	other restaurants			20		21		13	15	19	20	22	18	23	18	19	15	17	11	19	19	6	9	6	11	321	other restaurants
130101	hospital			25		26		15	22	17	21	18	11	7	22	13	20	13	15	13	9	9	11	7	9	303	hospital
010105	alcoholic drinks			11		6		10	10	5	6	5	8	4	6	5	5	10	9	5	10	8	4	7	8	142	alcoholic drinks
170209	others			19		19		22	20	15	17	12	13	25	18	10	17	18	10	10	11	18	15	13	6	308	others
140101	hotel			22		18		15	11	18	14	19	14	14	7	6	9	11	5	10	8	17	6	5	6	235	hotel
120109	other education/research service			3		7		8	9	14	13	6	9	4	5	4	4	6	5	7	8	7	10	7	5	141	other education/research service
010106	soft drinks			10		7		9	9	7	11	3	4	1	5	7	3	6	5	5		7	3	6	5	113	soft drinks
011301	machine products			3		5		4	2	4	2	3	2	2	2		6	4		10	4	2	3	7	3	68	machine products
011709	other manufacturing			4		2		7	2	2	8	3	3	4	5	3	2	4	1	2	3	4	3	3	3	68	other manufacturing
150101	building maintenance service			8		1		4	3	3	4	1	4	1		6	2	3	2	3	2	2	3	2	3	57	building maintenance service
150105	livestock process service			1		2		5	4		5	1	2	5	4	5	2	3		2	1	1		3	3	49	livestock process service
150109	other cleaning and livestock process service			1		1		1		2	1	2	3	1	1	1	1	2	1	1	1	2	1	1	3	27	other cleaning and livestock process service
080409	other commerce			2		5		7	7	1	6	3	6	8	2	1	4	1	3	4	2	1	4	3	2	72	other commerce
080101	all kinds of wholesale			11		7		3	9	5		4		5	4	1	2		2	1	2	3	2	1	2	64	all kinds of wholesale
140309	other amusement service			6		7				4	5	3	4	4	2		6	5	1	1	2	4	1		2	57	other amusement service
070101	livestock			3		1			1	1	1	1		3		2	1	4	3		1	2	2	2	2	30	livestock
130301	bathhouse								1	4	2	3	2	2	2	1	2		2	3				2	2	28	bathhouse
040301	general truck transportation service			1				1		1	3	1				1					2		1		2	13	general truck transportation service
170101	dispatch service			3		5		3	1	4	3		3	1	3		2		2	1	1		2	1	1	36	dispatch service
	public office			2		3		7	1		2		2	2	1	1	1	1	1		4		1		1	30	public office
050101	land cargo handling service					1		3	1	1		2		2		1	3	2	1						1	18	land cargo handling service
140302	park and amusement park					2		1		2			1				2	2	2	2	1	1		1	1	18	park and amusement park
070209	other fishery					2		1		2	1	1		1	1	1	1	1	3	1					1	17	other fishery

080401	warehousing	<u> </u>	1		_	1	1		1	1	2	1						2				1	1	10	worshousing
080401	wateriousing		1			1			1	1		1										1	1	10	warehousing
	other health and hygiene service									1	1			1		1		1			1	1	1	8	other health and hygiene service
	plastics products					1	1			1		1				1							1	6	plastics products
010602	paper processing products			1			1		1														1	4	paper processing products
030203	building facility construction work							1										1					1	3	building facility construction work
010807	leather products																						1	1	leather products
011501	ship building																						1	1	ship building
080203	furniture/fittings retail																						1	1	furniture/fittings retail
150103	other waste disposal service																						1	1	other waste disposal service
140301	golf course			2	2	1	1	2		2	1			1		3	2	1	2	3	2			25	golf course
130109	other medical treatment service			1		1	1		3	1	1	1	1		1	1					1	1		14	other medical treatment service
011209	other metal products			1	1	2	2			1	1						1	1		2				12	other metal products
030302	machinery/apparatus setting work			1		1		1		2				1		1	2							9	machinery/apparatus setting work
010701	printing service	Ĭ				1	2			1			1	1						1				7	printing service
070201	fishery			1	1	2		1						1					1					7	fishery
010801	non organic or organic chemical products					1		1		2			1						1					6	non organic or organic chemical products
010899	other chemical products				1									1		1	1		1		1			6	other chemical products
100109	other movie/play service				2		1	1	1															5	other movie/play service
	fuel retail													1		1	1				1			4	fuel retail
090209	other advertisement and mediator				1								1				1	1						4	other advertisement and mediator
100102	movie theatre							1				1				1	1							4	movie theatre
130102	general clinic						1						1			1			1					4	general clinic
010609	other pulp/paper processing products			1					2															3	other pulp/paper processing products
010803	pharmaceuticals			1						1												1		3	pharmaceuticals
010909	other sand and stone products			1										1				1						3	other sand and stone products
011702	machine repair								1			1		1										3	machine repair
090101	banking/trust business					1		1						1										3	banking/trust business
010209	other textile products							1							1									2	other textile products
III .	other nonferrous metal products			1	1																			2	other nonferrous metal products
011305	other precision machine products								1				1											2	other precision machine products
011509	other transport equipment products						1	1																2	other transport equipment products
030201	steel frame/reinforced concrete house construction work				1						1													2	steel frame/reinforced concrete house construction work
040102	water transportation service															1		1						2	water transportation service
040103	airline service													1	1									2	airline service
	specific truck transportation																								specific truck transportation

040302	service			1														1				2	service
090109	other financial business				H				1	H		1										2	other financial business
	industrial waste management		i		М								_										industrial waste management
	service			1									1									2	service
010301	over/under wear													1								1	over/under wear
010401	lumbering			1																		1	lumbering
010402	plywood			1																		1	plywood
010409	other lumber and wood products			1																		1	other lumber and wood products
010702	bookbinding														1							1	bookbinding
010806	rubber products									1												1	rubber products
010901	cement products																1					1	cement products
	nonferrous metals/rolling products										1											1	nonferrous metals/rolling products
011201	western tableware/cutting tool products							1														1	western tableware/cutting tool products
011203	metal press products	i	İ										1									1	metal press products
	optical instruments		ĺ							П										1		1	optical instruments
011403	electronics equipment and telecommunications apparatus															1						1	electronics equipment and telecommunications apparatus
011409	other electrical equipment							1														1	other electrical equipment
020209	other quarrying																			1		1	other quarrying
030202	wooden house construction work													1								1	wooden house construction work
030209	other building construction work																				1	1	other building construction work
	other construction works																		1			1	other construction works
II.	cargo/ light automobile transportation service									1												1	cargo/ light automobile transportation service
050209	other harbor transportation service								1													1	other harbor transportation service
060201	lumbering		İ													1						1	lumbering
080102	furniture/fittings wholesale	İ										1					i					1	furniture/fittings wholesale
100101	movie production and delivery service															1						1	movie production and delivery service
	telecommunication service	i	ĺ												1		i					1	telecommunication service
120101	auto mobile practical training	i																			1	1	auto mobile practical training
170201	security service					1																1	security service
010201	silk-reeling																						silk-reeling
	cotton-spinning																						cotton-spinning
	weaving																						weaving
	dyeing																						dyeing
	other fiber products																						other fiber products
	wood furniture																						wood furniture
	metal furniture																						metal furniture
010503	fittings																						fittings
		11	1				I	11														11	

010509	other furniture																other furniture
010601	pulp/paper																pulp/paper
010709	other printing and bookbinding																other printing and bookbinding
010802	chemical fiber																chemical fiber
010804	petroleum/coal products																petroleum/coal products
010808	painting products																painting products
010809	chemical fertilizer products																chemical fertilizer products
010902	glass products																glass products
010903	pottery products																pottery products
010904	fire resisting products																fire resisting products
010905	other ceramic products																other ceramic products
011001	steel/iron/rolling products																steel/iron/rolling products
011002	casting products																casting products
011009	other steel products																other steel products
011102	nonferrous metals casting products																nonferrous metals casting products
011202	screw products															İ	screw products
011204	metal plating products	İ	İ										i				metal plating products
	measuring instruments	i	İ		İ												measuring instruments
	watch products		İ		Ï												watch products
011401	heavy electrical equipment	i															heavy electrical equipment
011402	electrical appliance	i															electrical appliance
011502	auto mobile products	İ										i					auto mobile products
011503	railway vehicle products	i			İ							i					railway vehicle products
011601	electric utility service		İ		Ï												electric utility service
011602	city gas service																city gas service
1	city water service	İ															city water service
011609	other electric/gas/water service																other electric/gas/water service
011701	auto mobile servicing																auto mobile servicing
011703	cleaning																cleaning
011704	tobacco products																tobacco products
020101	general coal mining																general coal mining
020109	other coal mining																other coal mining
020201	quarrying																quarrying
020202	gravel digging																gravel digging
020301	metal mining																metal mining
020302	petroleum mining	ĺ															petroleum mining
	other mining																other mining
030101	hydroelectric plant construction work																hydroelectric plant construction work
030102	tunnel construction work																tunnel construction work
030103	subway construction work																subway construction work
030104	railway construction work																railway construction work
030105	bridge construction work																bridge construction work

030106	road construction work																							road construction work
	river civil engineering work																							river civil engineering work
	sand collarse prevention																							sand collapse prevention
030108	civil engineering work																							civil engineering work
030109	land consolidation civil engineering work																							land consolidation civil engineering work
020110	water supply/sewage																							water supply/sewage
	construction work																							construction work
	port/seaside construction work																							port/seaside construction work
030199	other civil engineering work																							other civil engineering work
	electricity/telecommunication work																							electricity/telecommunication work
040101	railroad service																							railroad service
040201	taxi service																							taxi service
040202	bus service																							bus service
040209	other passenger transport service																							other passenger transport service
040309	other land cargo transportation service																							other land cargo transportation service
040409	other transportation service																							other transportation service
050201	general harbor transportation service																							general harbor transportation service
050202	port cargo handling service												Ĭ					Ĭ						port cargo handling service
060209	other forestry												i						i					other forestry
080202	auto mobile retail												ĺ					ĺ						auto mobile retail
080205	newspaper retail																							newspaper retail
080301	haircut																							haircut
080302	beauty salon																							beauty salon
090102	stock/commodity trade business																							stock/commodity trade business
090103	insurance business																							insurance business
090201	traveling service																							traveling service
120102	software service																							software service
150104	cremation service																							cremation service
170202	information processing service																							information processing service
	total		2,476	2,347	2,267	2.004	2 001	0.150	1.0.55	1.000	1.000	1.000	1.050	1.500	1.704	1.550	1 5 4 4	1.500	1 650	1 7 40	1 500	1.500	27.701	4 . 4 . 1

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

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