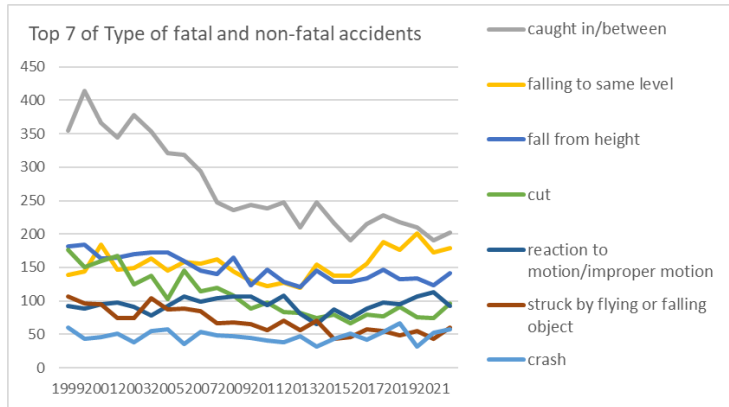
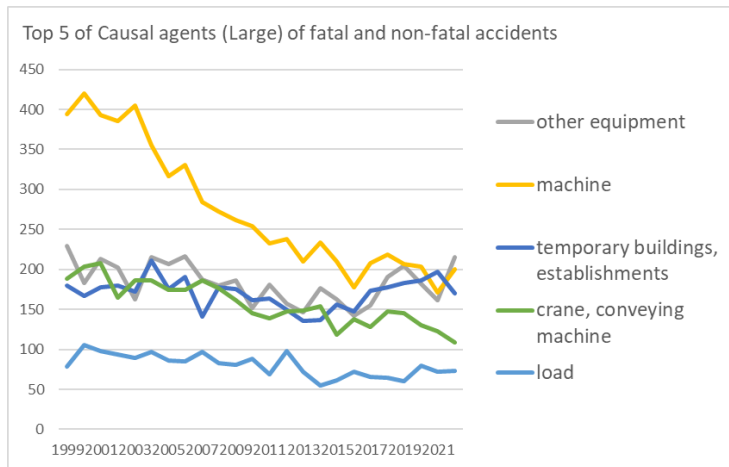


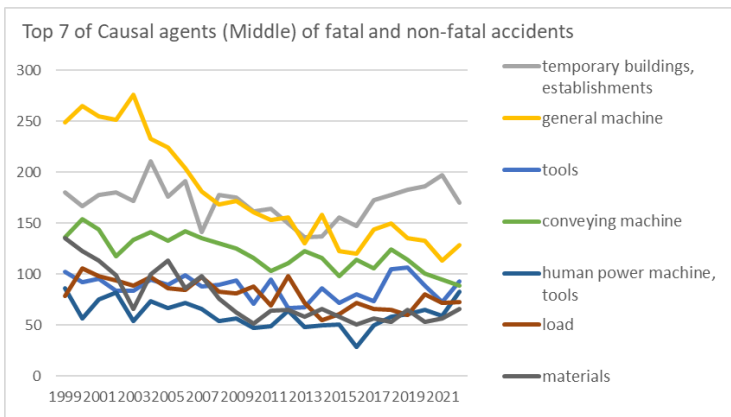
Transition of fatal and non-fatal accidents in 011709 other manufacturing in Japan (1999-2022)



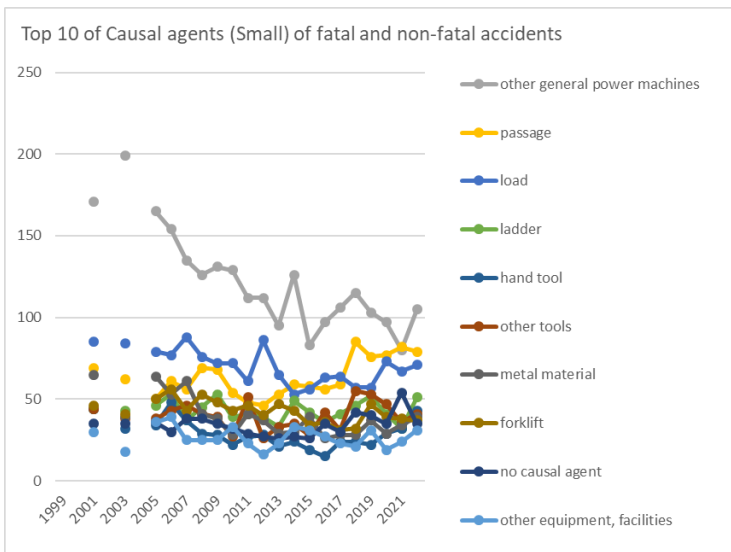
Transition of Top 7 of Type of fatal and non-fatal accidents in 011709 other manufacturing in Japan (1999-2022)



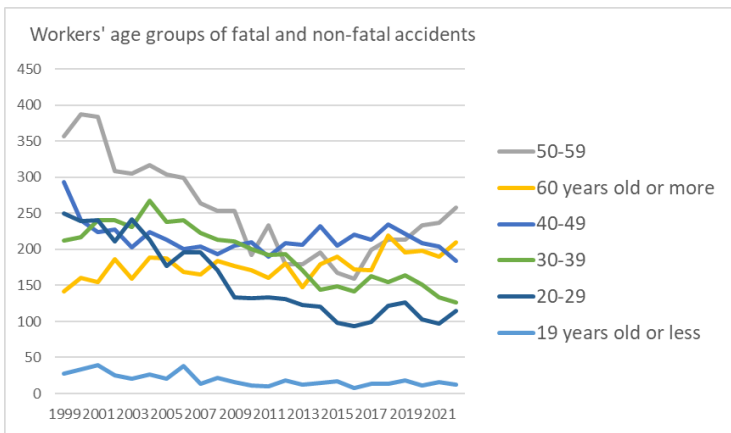
Transition of Top 5 of Causal agents (Large) of fatal and non-fatal accidents in 011709 other manufacturing in Japan (1999-2022)



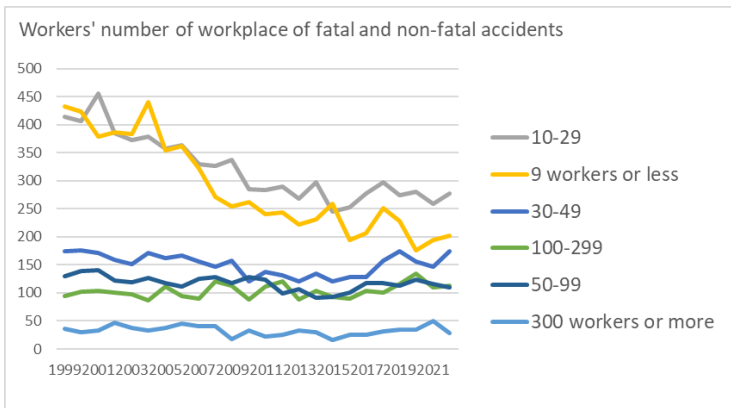
Transition of Top 7 of Causal agents (Middle) of fatal and non-fatal accidents in 011709 other manufacturing in Japan (1999-2022)



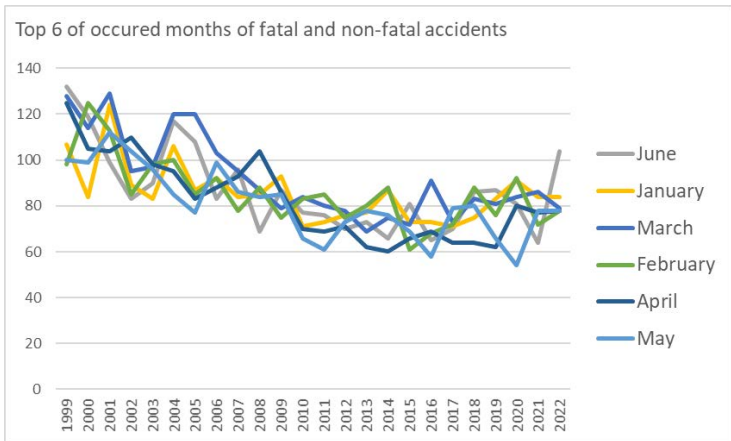
Transition of Top 10 of Causal agents (Small) of fatal and non-fatal accidents in 011709 other manufacturing in Japan (1999-2022)



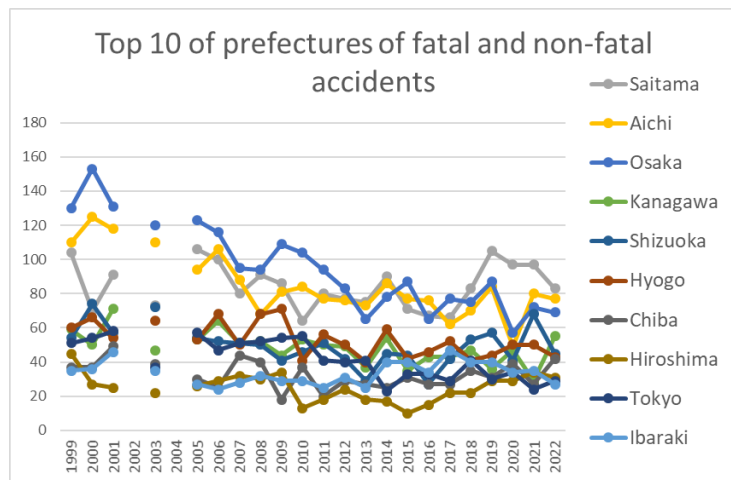
Transition of workers' age groups of fatal and non-fatal accidents in 011709 other manufacturing in Japan (1999-2022)



Transition of workers' number of workplace of fatal and non-fatal accidents in 011709 other manufacturing in Japan (1999-2022)



Transition of Top 6 of occurred months of fatal and non-fatal accidents in 011709 other manufacturing in Japan (1999-2022)



Transition of Top 10 of prefectures of fatal and non-fatal accidents in 011709 other manufacturing in Japan (1999-2022)

Transition of Type of fatal and non-fatal accidents in 011709 other manufacturing in Japan (1999-2022)

Type of accidents	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	Type of accidents
caught in/between	355	414	366	345	378	354	321	319	294	248	236	243	238	248	210	248	217	191	215	228	218	210	191	202	6,489	caught in/between
falling to same level	139	144	184	147	149	163	146	158	156	162	144	130	122	127	119	155	138	138	156	188	176	201	173	179	3,694	falling to same level
fall from height	182	184	163	165	170	172	172	159	145	140	165	123	147	129	121	145	129	128	134	147	132	134	123	141	3,550	fall from height
cut	177	151	160	167	125	138	103	146	114	119	108	89	97	83	82	74	79	67	79	77	91	76	74	96	2,572	cut
reaction to motion/improper motion	93	89	95	98	91	78	92	107	99	104	106	107	94	108	81	65	87	74	88	98	95	107	113	93	2,262	reaction to motion/improper motion
struck by flying or falling object	107	96	95	74	74	104	87	89	84	67	68	65	56	70	56	70	43	46	58	55	49	55	43	60	1,671	struck by flying or falling object
crash	60	43	46	51	38	55	58	36	54	49	47	45	41	38	47	31	43	51	42	53	66	32	52	57	1,135	crash

crashed by	56	59	56	63	39	50	60	60	44	62	31	39	43	33	35	38	37	36	30	42	46	35	28	27	1,049	crashed by
collapse	31	22	33	23	25	42	37	26	19	24	33	24	21	27	26	19	12	18	12	18	26	10	16	21	565	collapse
contact to high/low-temperature	27	22	29	24	21	24	22	18	14	19	14	11	17	12	19	12	15	14	13	29	24	19	14	10	443	contact to high/low-temperature
traffic accident (public road)	31	24	29	27	21	16	14	11	21	17	25	22	16	20	17	12	11	11	16	8	10	10	20	6	415	traffic accident (public road)
contact to harmful substance	7	12	5	4	2	12	6	3	8	12	7	4	7	7	4	4	2	4	9	3	3	5	3	6	139	contact to harmful substance
others	6	4	4	4	9	13	7	5	6	5	4	5	5	2	5	5	4	8	3	6	2	6	25	5	148	others
injury to the sole of the foot	5	2	3	1		2	3	3	2	1	2	3	4	2	3	1	1	3	1	2	1	2		1	48	injury to the sole of the foot
fire	1	2	4	1	3	1	4	1	2	2	3	1			2	2	1	3		1		1		1	36	fire
electric shock	2	3	1	1	1	4	3			2			3	1	1	4	3				1		1	1	32	electric shock
explosion	2	5	3	1	13	3	2	1		2	1	5	1		3	2	2	2	1	1		1			51	explosion
unclassifiable	1	2	3	1	1	2	1		2	1	3			1	6		2		1	2	1		1		31	unclassifiable
burst			3	3		2	1		1				1	3	1							1			16	burst
drown							2						7												9	drown
traffic accident (others)			1			2						1			1		1		1						7	traffic accident (others)
total	1,282	1,278	1,283	1,200	1,160	1,237	1,141	1,142	1,065	1,036	997	917	920	911	839	887	827	794	859	958	941	905	877	906	24,362	total

Transition of Causal agents (Large) of fatal and non-fatal accidents in 011709 other manufacturing in Japan (1999-2022)

Causal (L) agents	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	Causal (L) agents
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substances	16	20	16	12	22	13	16	8	9	19	9	9	10	10	12	8	8	8	15	6	7	9	3	6	271	harmful substances
construction machine	9	10	6	9	6	12	9	7	4	13	2	4	4	6	10	8	10	7	5	4	2	4	7	6	164	construction machine
electric equipment	4	3	3	2	1	5	3	1	5	4	1		6	3		1	5	1		1			3	3	55	electric equipment
welding equipment	6	2	3	4	1	5	1	1	1	3	2		3	2	3		2		2	2	2	2		3	50	welding equipment
kiln, caldron	2	5	4		4	3	4	1		2	6	1	4	2		5	2	4	5	2	2	5	2	2	67	kiln, caldron
unclassifiable	4	4	4	2	4	2	1		4		7	1	1	2	7		2		2	6	2				55	unclassifiable
pressure vessel	1	1	2	2		3	4	3	1	2	1		1	2	4	2				1	2	2			34	pressure vessel
chemical facilities	1	3			1	1	2		1					1					1	1	1				13	chemical facilities
engine		1	2						1				1	1						2	1				9	engine
mobile silviculture machine																										mobile silviculture machine
total	1,282	1,278	1,283	1,200	1,160	1,237	1,141	1,142	1,065	1,036	997	917	920	911	839	887	827	794	859	958	941	905	877	906	24,362	total

Transition of Causal agents (Small) of fatal and non-fatal accidents in 011709 other manufacturing in Japan (1999-2022)

Causal (S) agents	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	Causal (S) agents
other general power machines			171		199		165	154	135	126	131	129	112	112	95	126	83	97	106	115	103	97	80	105	2,441	other general power machines
passage			69		62		50	61	56	69	68	54	48	46	53	59	58	56	59	85	76	77	82	79	1,267	passage
load			85		84		79	77	88	76	72	72	61	86	65	53	56	63	64	57	57	73	67	71	1,406	load
ladder			44		43		46	53	37	45	53	39	41	39	33	49	42	36	41	46	52	41	32	51	863	ladder

hand tool			44		32		34	48	37	29	28	22	27	28	21	24	19	15	24	24	22	29	32	43	582	hand tool
other tools			44		38		38	43	46	41	39	27	51	26	33	35	28	42	31	55	53	47	36	41	794	other tools
metal material			65		39		64	53	61	41	38	28	41	37	29	30	39	26	28	28	37	29	34	39	786	metal material
forklift			46		41		50	56	43	53	48	43	46	40	47	43	34	36	31	32	47	39	38	37	850	forklift
no causal agent			35		35		36	30	38	38	35	32	29	27	26	27	26	35	30	42	40	35	54	35	685	no causal agent
other equipment, facilities			30		18		36	39	25	25	25	33	23	16	23	33	31	27	23	21	31	19	24	31	533	other equipment, facilities
human power hauling equipment			25		20		30	24	26	24	23	19	19	32	25	22	28	13	24	32	34	27	23	31	501	human power hauling equipment
stairs, landing stage			26		31		29	34	29	33	36	35	25	30	33	26	27	38	40	29	27	45	56	30	659	stairs, landing stage
truck			51		50		43	44	48	44	49	40	35	40	42	37	30	38	45	48	35	38	43	29	829	truck
building, establishment			30		29		25	31	14	17	24	22	25	20	19	13	24	14	22	17	17	16	13	23	415	building, establishment
conveyor			42		39		35	35	40	28	22	30	19	28	32	32	32	35	28	40	25	22	12	21	597	conveyor
other materials			35		17		29	19	25	27	18	18	15	17	20	19	9	14	19	15	23	15	14	18	386	other materials
working platform, boot board			29		23		31	37	24	31	22	26	29	27	8	17	23	13	26	18	31	25	28	14	482	working platform, boot board
circular sawing machine			31		34		14	23	24	19	25	21	18	10	13	19	13	9	12	12	10	12	7	14	340	circular sawing machine
other metal manufacturing machines			25		13		17	28	16	11	13	16	8	13	15	11	9	11	6	8	9	12	11	14	266	other metal manufacturing machines
other causal agent			7		8		5	9	10	10	8	10	9	4	8	8	14	8	11	13	7	9	30	14	202	other causal agent
cars, bus, motorcycle			33		28		15	11	24	20	20	19	21	17	16	13	8	9	9	8	11	9	17	13	321	cars, bus, motorcycle

other temporary buildings, establishments			14		16		25	12	11	15	16	15	22	17	13	13	16	18	15	13	22	16	11	13	313	other temporary buildings, establishments
other environments			7		7		5	8	6	2	3	4	10	6	8	13	5	8	8	12	6	6	2	11	137	other environments
mixer, grinder			17		13		13	12	12	10	12	11	16	9	13	13	13	7	8	9	12	9	7	10	226	mixer, grinder
power press			11		16		10	11	8	13	6	11	7	8	11	11	10	4	9	6	14	10	6	9	191	power press
lumber, bamboo			13		9		19	11	10	8	7	5	7	9	7	15	8	7	7	9	3	8	8	9	179	lumber, bamboo
power transmission mechanism			12		17		10	16	10	6	10	9	15	7	6	8	9	3	12	6	4	9	4	8	181	power transmission mechanism
grinding machine, buffing machine			10		10		7	7	6	10	6	7	9	11	7	5	8	8	7	9	7	5	5	8	152	grinding machine, buffing machine
human power cranes			3		1		1		1	1	1	4	1				2				3	6	3	8	35	human power cranes
scaffolding			6		5		8	6	1	5	1	2	4	2	2	2		3	1	8	5	2	2	6	71	scaffolding
other hazards, harmful substances			1		4		5	1	3	5	6	1	3	2		1		2	4	1	4	4		5	52	other hazards, harmful substances
roll machine (except printingroll machine)			38		34		22	20	18	15	17	7	12	15	10	13	19	11	16	14	9	16	15	4	325	roll machine (except printingroll machine)
crane			16		7		15	9	10	15	9	6	9	11	7	14	6	8	10	9	15	9	6	4	195	crane
injection molding machine			11		15		10	4	8	2	5	6	6	7	2	3	3	2	4	1	5	5	3	4	106	injection molding machine
opening					3		4	7	3	1	3	3	4	2	4	5	4	1	4	4	1	2	2	4	61	opening
drill press, milling machine			7		6		7	4	9	5	8	5	5	3	3	3	6	5	5	7	2	6	5	3	104	drill press, milling machine
printing machine			13		9		4	10	5	5	2	3	3	5	6	1	1	2	6	6	1	3	5	3	93	printing machine

high/cold temperature environment			5		3		1	1	4		1	5		5	5	6	5	5	3	17	11	5	6	3	91	high/cold temperature environment
food manufacturing machine			4		2		7	2	2	8	3	3	4	5	3	2	4	1	2	3	4	3	3	3	68	food manufacturing machine
shearing machine			1		5		5	4	4	1	4	2	1	4	2		3	3	2	3	4	2	3	3	56	shearing machine
machine/equipment as load			13		5		7	8	9	7	9	16	8	12	7	2	5	9	2	8	3	7	5	2	144	machine/equipment as load
lathe			4		5		6	6	4	1	1	6	3	6	5	3	6	3	2	1	5	6	3	2	78	lathe
leveling, transporting or loading machine			4		3		4	4	1	2	1	1	1	2	4	1	4	4	2	1	1	3	4	2	49	leveling, transporting or loading machine
excavating machine			1		1		4		2	7	1	1	2	4	2	3	1	1	2		1		2	2	37	excavating machine
standing tree			2				1				1	2		1	2	1		1	2	5		2		2	22	standing tree
transmission			1						3		1		1				3	1		1			1	2	14	transmission
other welding equipment			1		1		1	1		1	2		2		1				1					2	13	other welding equipment
other woodworking machines			16		8		1	8	9	15	8	7	4	8	2	4	9	3	2	5	11	3	2	1	126	other woodworking machines
roof, beam, haze, crossbeam, principal rafter			4		3		4	3	3	5	5	5	7	6	4	2	4	4	6	3	4	2	2	1	77	roof, beam, haze, crossbeam, principal rafter
slinging tool			8		3		6	3	5	4	2	5	3	2	2	2	2	2	2	4	2	1	5	1	64	slinging tool
mobile crane			4		6		3	5	7	8	4	2	1	3	1	3	3	3	2	2	2	1		1	61	mobile crane
other powered conveying machines			4		3		3	7	3	4	5	3	3		2	4	2	5	1	4	4	2		1	60	other powered conveying machines

elevator, lift			4		7		7	4	6		3	1	1	3	1	4	2	2		2	3	4	1	1	56	elevator, lift
human power machine			3		1		2		2		5	2	2	4	2	4	2	1	2	2	2	3	1	1	41	human power machine
inflammable substance			6		2		2	3		3		3	1	1	5	1	4	2	1	2		3		1	40	inflammable substance
band sawing machine			5		1		2	3	3	1	3	2	3		1	2	1			3			1	1	32	band sawing machine
kiln, caldron			2		3					2	3		3			2	1	3	2	1	1	1	2	1	27	kiln, caldron
industrial dryer							4	1			3	1	1	2		3			3	1	1	4		1	25	industrial dryer
chamfering machine, router, woodworking milling machine			6		3		1	2	1				1	1	2		1	1					1	1	21	chamfering machine, router, woodworking milling machine
other vehicles			4		2					3			2		1	1		1	1			1	4	1	21	other vehicles
natural ground, rock			2				1	1		1	1	1	1			1	1	1		2	1	1	1	1	17	natural ground, rock
hollow chisel mortiser, wood borer			1					1	2	1	1	1		1		2			2	1				1	14	hollow chisel mortiser, wood borer
loader					1		2			1	1			3					1		1		2	1	13	loader
electric power facilities			1		1		2		1	1			2			2							2	1	13	electric power facilities
vehicle for high lift work								1		1		1			1	2	2	1	1	1				1	12	vehicle for high lift work
gas welding equipment			1						1	1				2	1		1				2	1		1	11	gas welding equipment

abnormal environment			2			1				3									1	1		1	9	abnormal environment	
demolition machine			1							1					2			1		1	1	1	8	demolition machine	
harmful substance			4		2	4	2	4	8	2	3	4	6	4	3	1	3	6	3	2	2	3		66	harmful substance
wood planer machine			1		5	3	7	2	7	3	2	1	2	3		1			2	3		2		44	wood planer machine
unclassifiable			4		4	1		4		7	1	1	2	7		2		2	6	2				43	unclassifiable
explosive substance			4		13	4	2	2	2	1	1		1	3	2	2	1	2		1				41	explosive substance
stone, sand, substance					1	1	3	2			1	1	2	2	2	2	4	3	1	2	1	1		29	stone, sand, substance
other powered crane			3		1	1	3	4	1	1	1	1	1		3		1		3		4			28	other powered crane
water						1	2	1				10	1					1	1	1	3			21	water
industrial robot			1		4	3	1		2	1			2					2	2	1				19	industrial robot
other construction machines					1	1	2	1	3			1		2	2	1	1							15	other construction machines
other electrical equipment			1			1	1	1	3			3	3		1									14	other electrical equipment
other pressure vessels						3	1						2	2	2				1	1	1			13	other pressure vessels
inflammable gas			1		1	1			1		1	2			1	1		2						11	inflammable gas
pressure vessel			1			1	2	1	1	1			2								1			10	pressure vessel
arc welding equipment			1						1			1	1		1		1	2		1				9	arc welding equipment
engine			2					1				1	1					2	1					8	engine

100-299	95	102	103	100	97	87	112	95	90	121	113	88	112	120	88	103	93	90	103	101	116	135	110	113	2,487	100-299
50-99	130	139	141	122	119	127	118	111	126	129	117	129	124	99	107	91	93	101	117	118	113	123	116	110	2,820	50-99
300 workers or more	36	30	33	47	37	33	37	45	41	41	18	33	23	26	33	30	16	26	26	32	35	34	50	28	790	300 workers or more
total	1,282	1,278	1,283	1,200	1,160	1,237	1,141	1,142	1,065	1,036	997	917	920	911	839	887	827	794	859	958	941	905	877	906	24,362	total

Transition of occurred months of fatal and non-fatal accidents in 011709 other manufacturing in Japan (1999-2022)

Month	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	Month
June	132	119	99	83	90	117	108	83	96	69	87	77	76	70	73	66	81	65	70	86	87	81	64	104	2,083	June
January	107	84	124	89	83	106	87	92	84	85	93	71	73	76	77	87	73	73	71	75	83	91	84	84	2,052	January
March	128	114	129	95	97	120	120	103	95	87	79	84	80	78	69	75	72	91	73	83	81	84	86	79	2,202	March
February	98	125	113	85	98	100	85	92	78	88	75	83	85	75	80	88	61	68	72	88	76	92	72	78	2,055	February
April	125	105	104	110	98	95	83	88	93	104	86	70	69	71	62	60	66	69	64	64	62	80	77	78	1,983	April
May	100	99	112	104	96	85	77	99	86	84	85	66	61	73	78	76	69	58	79	80	66	54	78	78	1,943	May
September	108	109	102	98	101	115	91	100	93	101	87	83	73	85	75	67	59	69	76	65	89	67	69	77	2,059	September
July	112	102	97	132	95	94	96	98	103	95	89	84	76	90	67	72	68	65	82	109	106	64	62	76	2,134	July
August	87	99	110	99	95	99	100	98	77	61	84	92	88	89	59	80	66	72	56	95	63	68	85	73	1,995	August
October	102	108	97	109	116	123	102	91	97	101	75	84	81	76	80	62	70	53	81	83	61	83	79	62	2,076	October
November	93	101	114	108	102	92	95	107	91	82	84	57	74	69	64	73	72	57	73	71	91	61	80	62	1,973	November
December	90	113	82	88	89	91	97	91	72	79	73	66	84	59	55	81	70	54	62	59	76	80	41	55	1,807	December
total	1,282	1,278	1,283	1,200	1,160	1,237	1,141	1,142	1,065	1,036	997	917	920	911	839	887	827	794	859	958	941	905	877	906	24,362	total

Transition of prefectures of fatal and non-fatal accidents in 011709 other manufacturing in Japan (1999-2022)

Prefecture	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	Prefecture
Saitama	104	70	91		73		106	100	80	91	86	64	80	77	75	90	71	67	66	83	105	97	97	83	1,856	Saitama

Wakayama	13	20	29		20		18	15	14	10	13	8	12	16	13	13	8	7	11	13	8	20	7	11	299	Wakayama
Yamanashi	6	13	9		6		6	7	6	6	9	10	16	12	5	10	9	7	6	5	5	4	10	11	178	Yamanashi
Kyoto	18	16	25		27		20	18	25	14	21	16	11	17	23	13	19	17	15	20	11	11	7	10	374	Kyoto
Miyazaki	14	12	12		13		12	13	21	11	10	13	13	17	13	12	10	15	17	19	16	15	13	9	300	Miyazaki
Ehime	12	16	16		6		18	12	20	16	16	16	13	14	6	14	3	14	14	9	11	9	14	9	278	Ehime
Nagano	11	23	15		15		20	16	14	11	6	7	8	8	10	9	9	9	12	9	8	5	9	9	243	Nagano
Kochi	13	9	12		5		9	4	7	6	5	8	7	6	2	3	8	5	3	5	7	3	8	9	144	Kochi
Oita	10	11	5		8		7	8	7	9	6	4	7	1	3	5	4	8	3	4	2	8	6	9	135	Oita
Kagawa	27	22	14		15		17	17	13	21	17	11	9	4	8	8	2	8	9	12	7	9	4	8	262	Kagawa
Yamagata	18	5	8		7		8	7	11	5	3	6	3	9	8	9	4	2	10	6	8	7	6	7	157	Yamagata
Fukui	5	1	3		3		5	9	2	8	4	2	6	3	10	5	4	5	3	8	5	12	3	7	113	Fukui
Akita	9	9	14		8		6	6	6	1	3	4	3	3	4	1	1	4	2	7	4	4	2	5	106	Akita
Tokushima	11	8	10		3		6	6	7	2	6			3	5			3	4	6	4	4	5	5	98	Tokushima
Fukushima	5	16	16		9		15	11	18	10	9	10	7	10	9	4	11	11	7	8	8	9	7	4	214	Fukushima
Nara	11	12	13		15		14	4	12	6	15	9	4	6	5	7	7	7	6	11	7	3	9	4	187	Nara
Ishikawa	9	6	10		11		9	11	12	14	5	3	4	3	4	3	6	7	8	8	5	9	9	4	160	Ishikawa
Iwate	8	6	7		1		6	9	3	7	5	3	7	5	3	8	7	4	5	3	4	2	4	4	111	Iwate
Shimane	7	3	5				5	2	1	1	1	1	3	4	1	1	3	2	3	8	3	6		4	64	Shimane
Nagasaki	2	3	5		7		10	7	4	5	4	10	8	5	5	2	5	5	6	4	7	4	4	3	115	Nagasaki
Tottori	6	5	3		3		5	4	5			5	3		1		2	2	3	4	4	3		3	61	Tottori
Aomori	8	9	6		6		5	5	7	4	1	2	4	1	5	1	5	3	4	5	4	4	2	2	93	Aomori
Okinawa	2	3	5		7		4	2	5	3	7	2	5	5	4	1	3	4	1	2	3	1	3	2	74	Okinawa
total	1,282	1,278	1,283	1,200	1,160	1,237	1,141	1,142	1,065	1,036	997	917	920	911	839	887	827	794	859	958	941	905	877	906	24,362	total

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