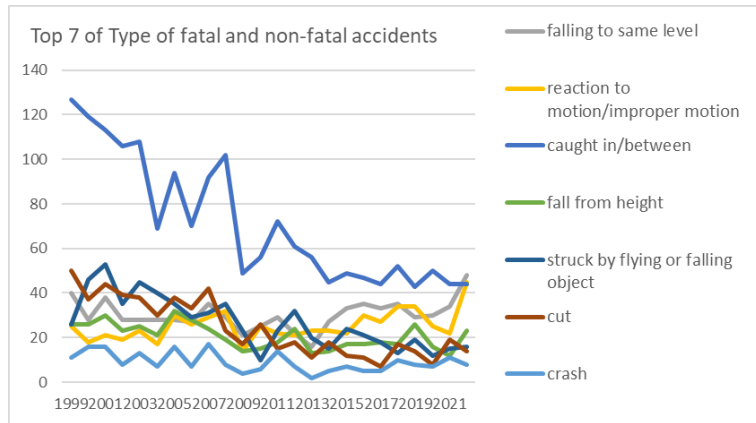
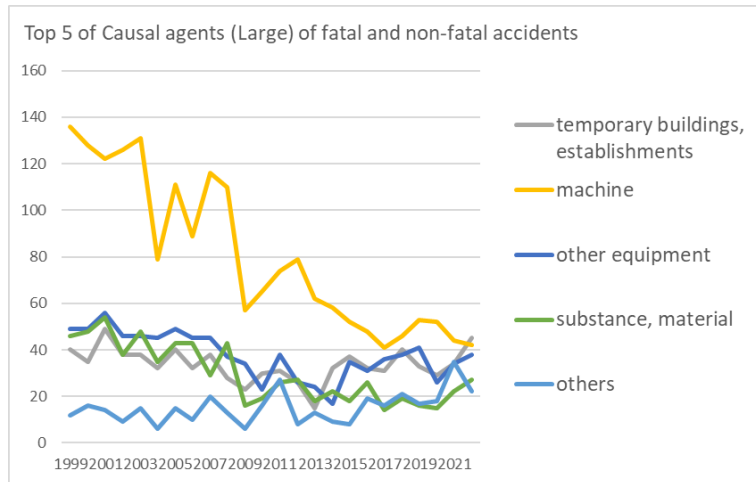


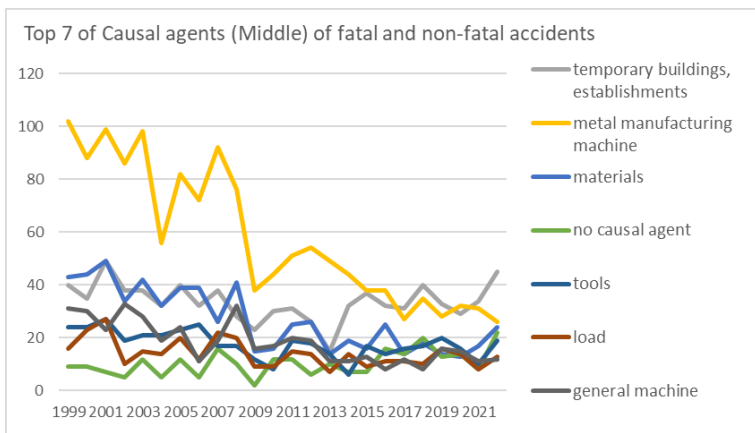
Transition of fatal and non-fatal accidents in 011305 other precision machine products in Japan (1999-2022)



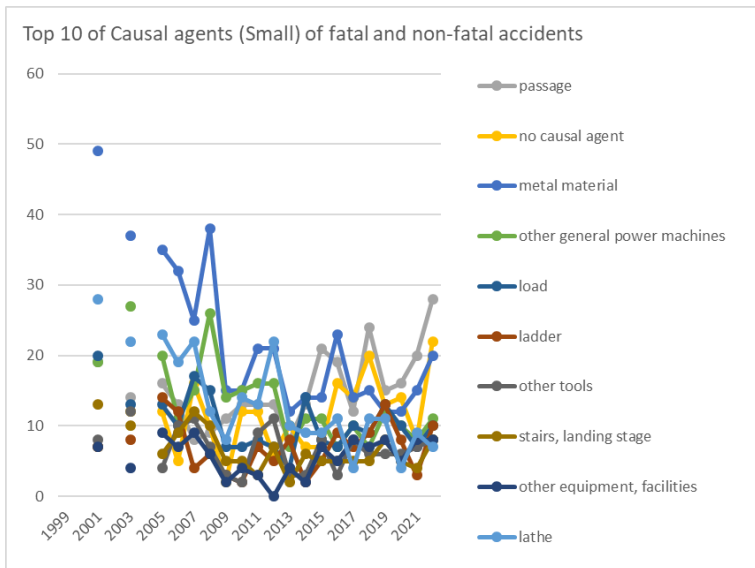
Transition of Top 7 of Type of fatal and non-fatal accidents in 011305 other precision machine products in Japan (1999-2022)



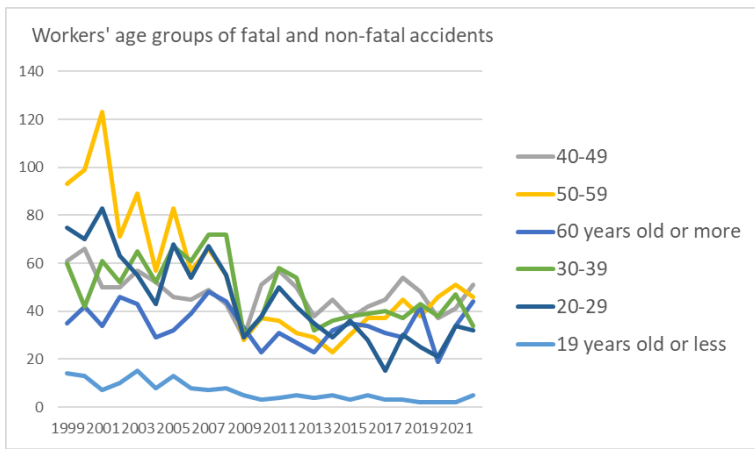
Transition of Top 5 of Causal agents (Large) of fatal and non-fatal accidents in 011305 other precision machine products in Japan (1999-2022)



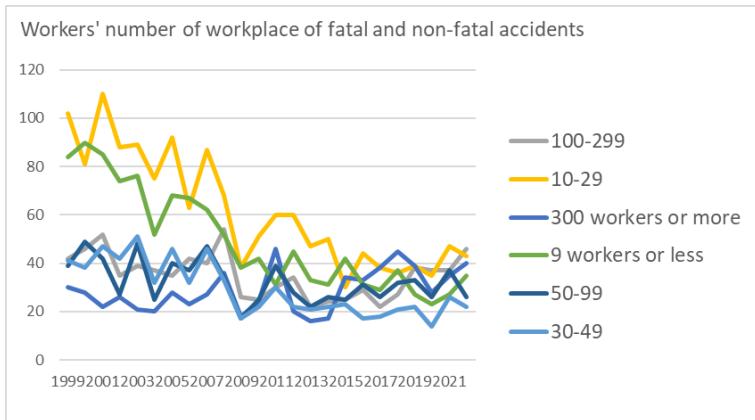
Transition of Top 7 of Causal agents (Middle) of fatal and non-fatal accidents in 011305 other precision machine products in Japan (1999-2022)



Transition of Top 10 of Causal agents (Small) of fatal and non-fatal accidents in 011305 other precision machine products in Japan (1999-2022)



Transition of workers' age groups of fatal and non-fatal accidents in 011305 other precision machine products in Japan (1999-2022)



Transition of workers' number of workplace of fatal and non-fatal accidents in 011305 other precision machine products in Japan (1999-2022)



motion/improper motion	25	18	21	19	23	17	30	26	29	32	14	25	22	21	23	23	22	30	27	34	34	25	22	45	607	motion/improper motion	
caught in/between	127	119	113	106	108	69	94	70	92	102	49	56	72	61	56	45	49	47	44	52	43	50	44	44	1,712	caught in/between	
fall from height	26	26	30	23	25	21	32	28	24	19	14	15	18	24	13	14	17	17	18	17	26	16	12	23	498	fall from height	
struck by flying or falling object	26	46	53	35	45	40	35	29	31	35	23	10	23	32	20	15	24	21	18	13	19	12	15	16	636	struck by flying or falling object	
cut	50	37	44	39	38	30	38	33	42	23	17	26	15	18	11	18	12	11	7	17	14	8	19	14	581	cut	
crash	11	16	16	8	13	7	16	7	17	8	4	6	14	7	2	5	7	5	5	10	8	7	11	8	218	crash	
collapse	7	10	4	10	6	7	10	7	4	6	2	4	2	7	6	2	1	7	1	3	4	3	3	5	121	collapse	
crashed by	9	16	18	15	20	10	13	17	19	10	6	10	14	11	6	10	8	5	8	6	15	7	9	2	264	crashed by	
traffic accident (public road)	6	4	9	3	7	3	2	12	6	8	2	5	6	4	2	5	2		4	4	1	1	7	2	105	traffic accident (public road)	
contact to harmful substance	3	5	3	2	3	1	3	1	2	3	1	1	1		2	2	1					1	3	2	40	contact to harmful substance	
contact to high/low-temperature	4	4	3	4	3	5	5	5	3	1		5	2		2	3	2	4	2	2	2	1	3	1	66	contact to high/low-temperature	
electric shock			3		1	1			1										1	1			1	1	10	electric shock	
burst					2		1																	1	4	burst	
others	2				1		2	1		1	1	1	16	1			1	2	1	3	2	1	26		62	others	
fire	2		2			1		1							1			1								8	fire
unclassifiable		2	1		1				1				2									1				8	unclassifiable
explosion		1							1					1	1					1						5	explosion

injury to the sole of the foot						1			2										1						4	injury to the sole of the foot
traffic accident (others)																1			1		1				3	traffic accident (others)
drown																										drown
total	338	332	358	292	324	241	309	264	309	277	154	189	236	209	161	170	179	185	171	198	198	163	209	212	5,678	total

Transition of Causal agents (Large) of fatal and non-fatal accidents in 011305 other precision machine products 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
temporary buildings, establishments	40	35	49	38	38	32	40	32	38	28	23	30	31	26	15	32	37	32	31	40	33	29	34	45	808	temporary buildings, establishments
machine	136	128	122	126	131	79	111	89	116	110	57	65	74	79	62	58	52	48	41	46	53	52	44	42	1,921	machine
other equipment	49	49	56	46	46	45	49	45	45	37	34	23	38	26	24	17	35	31	36	38	41	26	34	38	908	other equipment
substance, material	46	48	54	38	48	35	43	43	29	43	16	19	26	27	18	22	18	26	14	19	16	15	22	27	712	substance, material
others	12	16	14	9	15	6	15	10	20	13	6	16	27	8	13	9	8	19	16	21	17	18	35	22	365	others
crane, conveying machine	38	30	35	24	31	26	30	32	37	24	9	24	23	25	19	15	16	12	20	22	18	9	30	20	569	crane, conveying machine
load	16	23	27	10	15	14	20	12	22	20	9	9	15	14	7	14	9	11	11	10	16	14	8	13	339	load
environment	1	3	1	1		4	1	1	2	2		3	2	4	3	3	4	6	2	2	4		2	5	56	environment
total	338	332	358	292	324	241	309	264	309	277	154	189	236	209	161	170	179	185	171	198	198	163	209	212	5,678	total

Transition of Causal agents (Middle) of fatal and non-fatal accidents in 011305 other precision machine products in Japan (1999-2022)

Causal (M) 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 (M) agents
temporary buildings, establishments	40	35	49	38	38	32	40	32	38	28	23	30	31	26	15	32	37	32	31	40	33	29	34	45	808	temporary buildings, establishments
metal manufacturing machine	102	88	99	86	98	56	82	72	92	76	38	44	51	54	49	44	38	38	27	35	28	32	31	26	1,386	metal manufacturing machine
materials	43	44	49	34	42	32	39	39	26	41	15	16	25	26	14	19	16	25	14	18	14	13	17	24	645	materials
no causal agent	9	9	7	5	12	5	12	5	16	10	2	12	12	6	10	7	7	16	14	20	13	14	8	22	253	no causal agent
tools	24	24	27	19	21	21	23	25	17	17	12	8	19	18	14	6	17	14	16	17	20	16	10	19	424	tools
load	16	23	27	10	15	14	20	12	22	20	9	9	15	14	7	14	9	11	11	10	16	14	8	13	339	load
general machine	31	30	23	33	28	19	24	11	19	32	16	17	20	19	11	11	13	8	12	8	16	15	11	12	439	general machine
human power machine, tools	17	14	16	12	13	12	12	10	15	10	18	8	13	6	4	8	7	11	9	10	11	3	14	9	262	human power machine, tools
crane	12	11	9	12	11	10	9	8	12	8	6	7	5	7	10	6	7	2	4	3	3	2	8	9	181	crane
conveying machine	17	15	17	9	16	10	16	14	18	11	1	9	12	12	7	2	7	9	8	15	11	6	16	8	266	conveying machine
other equipments, facilities	3	6	7	8	4	8	9	7	9	6	2	4	3		4	2	7	5	8	7	8	5	8	8	138	other equipments, facilities

natural environment	1	3	1	1		4	1	1	2	2		3	2	4	3	3	4	6	2	2	4		2	5	56	natural environment
power transmission mechanism	1	6		4	2	2	2	3	1	1	1	2	2	3	1	3	1	1	1	3	3	3	1	4	51	power transmission mechanism
vehicle	9	4	9	3	4	6	5	10	7	5	2	8	6	6	2	7	2	1	8	4	4	1	6	3	122	vehicle
hazards, harmful substances	3	4	5	4	6	3	4	4	3	2	1	3	1	1	4	3	2	1		1	2	2	5	3	67	hazards, harmful substances
welding equipment	4	1	3	4	2		3	1	3	2	1	1			2	1	1					1	1	1	32	welding equipment
electric equipment		2	2	1	2	1		1						2			1	1	2	1			1	1	18	electric equipment
other causal agent	2	5	5	4	2	1	2	3	3	3	2	4	14	2	3	1	1	3	2	1	4	3	27		97	other causal agent
woodworking machine	1	3		3	3	1	3	3	3	1	2	1	1	2				1	1		5	2	1		37	woodworking machine
pressure vessel	1		1	1	3	1	2	1	1		1	1							1	2	2				18	pressure vessel
unclassifiable	1	2	2		1		1	2	1		2		1			1						1			15	unclassifiable
kiln, caldron		2		1	1	2				2		1	1				2			1		1			14	kiln, caldron
construction machine						1			1			1		1	1						1				6	construction machine
engine	1	1																							2	engine
chemical facilities													2												2	chemical facilities







slinging tool			12		1		5	3	2	4	6	4	3	2	3	1	4	2	1	2	1	2		1	59	slinging tool		
other hazards, harmful substances			1		1		2	2		1		1			3			1			1	4	1		18	other hazards, harmful substances		
roll machine (except printingroll machine)			1				2			2	1		1		1		1			2		1	2	1	1	16	roll machine (except printingroll machine)	
other welding equipment			2		1		3		1		1				1	1								1	1	12	other welding equipment	
roof, beam, haze, crossbeam, principal rafter			3						2						2	1								2	1	12	roof, beam, haze, crossbeam, principal rafter	
human power machine			2		1				1			2	1					1		1					1	10	human power machine	
opening			1				3			1					1	1	1							1	1	10	opening	
lumber, bamboo					1		3		2						1		1								1	9	lumber, bamboo	
natural ground, rock							1					2			1										1	5	natural ground, rock	
electric power facilities			1																1						1	3	electric power facilities	
other vehicles									1																1	2	other vehicles	
other causal agent			5		2		2	3	3	3	2	4	14	2	3	1	1	3	2	1	4	3	27			85	other causal agent	
building, establishment			2		2		3	2	7	2	3	3	5		3	3	3	3	3	3	3	2	2	2			53	building, establishment
other temporary buildings,			3		1		3	2	4	4	1	2	5	3	2	1	2	1	3	2	5	3	3				50	other temporary buildings,

establishments																										establishments	
shearing machine			4		1		1	2	2	2	1	1			1	1	1									17	shearing machine
circular sawing machine					3		1	2	2			1	1	1				1	1			2	1			16	circular sawing machine
scaffolding			2		2			1	1			1	2	2		1					1	1				14	scaffolding
injection molding machine			2		1		1		1	1		2	1		1		1				1	1				13	injection molding machine
other powered conveying machines								2	1			1	1	3	1				2				1			12	other powered conveying machines
unclassifiable			2		1		1	2	1		2		1			1						1				12	unclassifiable
inflammable substance			3				1	1	1			1		1							1					9	inflammable substance
high/cold temperature environment			1							1		1	1					3	1				1			9	high/cold temperature environment
mixer, grinder							1		1		1		1		2					1			1			8	mixer, grinder
elevator, lift					1		1		1			1		1	1	1							1			8	elevator, lift
industrial robot									1	1				1							1	2	1			7	industrial robot
arc welding equipment			1		1				1	2							1					1				7	arc welding equipment
other electrical equipment			1		2			1						1					1	1						7	other electrical equipment
pressure vessel			1		1		1	1			1									1						6	pressure vessel
other pressure vessels					1							1							1	1	2					6	other pressure vessels

hollow chisel mortiser, wood borer							1	1			1													5	hollow chisel mortiser, wood borer	
mobile crane			1						1				1	1	1										5	mobile crane
printing machine			1						1	1													1		4	printing machine
gas welding equipment								1	1			1		1											4	gas welding equipment
kiln, caldron									1		1				1								1		4	kiln, caldron
industrial dryer									1			1			1								1		4	industrial dryer
transmission													1			1	1						1		4	transmission
inflammable gas					2									1									1		4	inflammable gas
band sawing machine									1	1	1														3	band sawing machine
other woodworking machines																								3	other woodworking machines	
excavating machine									1			1		1											3	excavating machine
centrifugal machine													1	1				1							3	centrifugal machine
boiler					1		1		1																3	boiler
stone, sand, substance						1																			3	stone, sand, substance
standing tree									1					1		1									3	standing tree
food manufacturing machine										1					1										2	food manufacturing machine
chemical facilities																									2	chemical facilities

explosive substance					2																		2	explosive substance	
wood planer machine							1																1	wood planer machine	
chain saw																			1				1	chain saw	
leveling, transporting or loading machine														1									1	leveling, transporting or loading machine	
demolition machine																							1	demolition machine	
railway equipment									1														1	railway equipment	
loader																							1	loader	
railway vehicle											1												1	railway vehicle	
other kiln, caldron						1																	1	other kiln, caldron	
water																							1	1	water
engine																								engine	
chamfering machine, router, woodworking milling machine																								chamfering machine, router, woodworking milling machine	
foundation work machine																								foundation work machine	
hardening machine																								hardening machine	
vehicle for high lift work																								vehicle for high lift work	
other construction machines																								other construction machines	



Transition of workers' age groups of fatal and non-fatal accidents in 011305 other precision machine products in Japan (1999-2022)

Age	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	Age
40-49	61	66	50	50	57	52	46	45	49	43	29	51	57	50	38	45	37	42	45	54	48	37	41	51	1,144	40-49
50-59	93	99	123	71	89	57	83	57	66	55	28	37	36	31	29	23	30	37	37	45	38	46	51	46	1,307	50-59
60 years old or more	35	42	34	46	43	29	32	39	48	44	33	23	31	27	23	32	35	34	31	29	42	19	34	44	829	60 years old or more
30-39	60	42	61	52	65	52	67	61	72	72	30	37	58	54	32	36	38	39	40	37	43	38	47	34	1,167	30-39
20-29	75	70	83	63	55	43	68	54	67	55	29	38	50	42	35	29	36	28	15	30	25	21	34	32	1,077	20-29
19 years old or less	14	13	7	10	15	8	13	8	7	8	5	3	4	5	4	5	3	5	3	3	2	2	2	5	154	19 years old or less
total	338	332	358	292	324	241	309	264	309	277	154	189	236	209	161	170	179	185	171	198	198	163	209	212	5,678	total

Transition of workers' number of workplace of fatal and non-fatal accidents in 011305 other precision machine products in Japan (1999-2022)

Workers scale	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	Workers scale
100-299	42	46	52	35	39	37	35	42	40	54	26	25	30	34	22	24	25	29	22	27	38	37	37	46	844	100-299
10-29	102	81	110	88	89	75	92	63	87	68	38	51	60	60	47	50	30	44	38	36	39	35	47	43	1,473	10-29
300 workers or more	30	28	22	26	21	20	28	23	27	36	18	24	46	20	16	17	34	33	38	45	39	28	35	40	694	300 workers or more
9 workers or less	84	90	85	74	76	52	68	67	62	52	38	42	31	45	33	31	42	31	29	37	27	23	27	35	1,181	9 workers or less
50-99	39	49	42	27	48	25	40	37	47	34	17	25	39	28	22	26	25	31	26	32	33	26	37	26	781	50-99
30-49	41	38	47	42	51	32	46	32	46	33	17	22	30	22	21	22	23	17	18	21	22	14	26	22	705	30-49
total	338	332	358	292	324	241	309	264	309	277	154	189	236	209	161	170	179	185	171	198	198	163	209	212	5,678	total

Transition of occurred months of fatal and non-fatal accidents in 011305 other precision machine products 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
February	26	23	24	32	19	13	25	18	26	30	15	15	10	18	13	19	17	14	9	16	19	12	14	27	454	February
June	29	34	28	21	26	22	23	23	29	18	16	19	20	20	10	12	15	22	16	20	13	21	18	21	496	June
July	33	29	33	22	27	21	30	25	25	27	10	16	19	21	20	19	20	15	18	15	21	16	18	19	519	July
September	20	30	29	24	37	16	30	25	23	11	9	19	27	16	14	16	14	11	9	19	16	13	18	18	464	September
March	23	27	29	29	32	33	21	19	27	26	16	15	23	17	17	22	15	18	15	19	29	11	17	17	517	March
January	34	25	44	26	31	20	33	22	20	28	19	12	20	19	17	10	10	14	14	19	17	17	16	17	504	January
November	34	25	23	19	27	16	23	18	18	22	7	17	23	14	12	14	13	13	19	17	21	14	13	17	439	November
May	24	37	31	22	24	19	22	24	30	28	13	13	16	17	13	16	14	19	12	13	18	10	21	16	472	May
August	31	25	30	19	23	21	29	25	31	24	15	17	23	22	11	13	16	14	13	15	12	9	28	15	481	August
October	24	28	27	29	28	22	20	21	38	18	8	18	24	16	13	10	16	13	15	13	13	20	18	15	467	October
April	24	24	34	22	25	22	29	23	18	31	18	14	15	21	10	10	9	15	16	18	8	13	15	15	449	April
December	36	25	26	27	25	16	24	21	24	14	8	14	16	8	11	9	20	17	15	14	11	7	13	15	416	December
total	338	332	358	292	324	241	309	264	309	277	154	189	236	209	161	170	179	185	171	198	198	163	209	212	5,678	total

Transition of prefectures of fatal and non-fatal accidents in 011305 other precision machine products 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
Aichi	32	29	32		40		27	15	36	25	13	19	26	23	21	19	19	21	16	22	19	15	12	16	497	Aichi
Osaka	31	42	44		15		19	23	21	22	14	14	16	10	18	16	9	15	6	13	8	11	12	16	395	Osaka
Shizuoka	17	10	13		20		20	10	25	13	9	6	10	8	8	6	13	8	12	11	13	6	16	14	268	Shizuoka
Ibaraki	15	12	6		7		7	7	12	13	1	7	7	5	3	6	2	7	8	9	10	12	6	14	176	Ibaraki
Nagano	6	13	15		14		14	12	10	17	6	11	27	9	11	8	9	14	10	15	13	11	18	12	275	Nagano
Yamanashi	4	4	5		6		4	5	5	11	4	5	3	3	1		8	3	7	6	4	2	7	9	106	Yamanashi
Saitama	15	13	18		22		24	19	15	11	7	12	9	12	7	10	6	8	8	11	7	10	9	8	261	Saitama

Tokyo	17	21	23		16		9	6	14	15	4	12	5	11	12	8	7	3	6	9	7	4	6	8	223	Tokyo
Kyoto	11	11	17		12		8	6	9	9	7	2	11	4	5	3	8	4	5	11	8	9	8	8	176	Kyoto
Mie	7	7	9		12		12	15	5	11	1	5	11	10	7	8	6	6	3	2	13	6	9	8	173	Mie
Kanagawa	26	13	20		11		11	10	8	9	8	13	7	11	6	8	14	8	6	7	7	8	7	7	225	Kanagawa
Gifu	10	11	10		12		9	11	11	20	11	7	5	7	3	3	3	7	6	6	9	2	4	7	174	Gifu
Chiba	5	13	5		7		4	7	15	9	4	4	7	11	3	3	11	6	1	4	16	4	18	7	164	Chiba
Iwate	2	6	6		10		12		8	6	3	7	5	4	5	1	2	1	3	3	1	2	4	7	98	Iwate
Shiga	1	6	9		5		10	4	5	4	2	1	1		2	2	1	6	2	2	4	7	6	6	86	Shiga
Okayama	4	5	3		4		3	6	6	3		2	2	4		1	1	1	2	1	2	3	4	6	63	Okayama
Gunma	14	15	9		16		6	13	2	6	7	6	11	11	5	3	5	7	7	7	8	4	4	5	171	Gunma
Niigata	12	9	13		11		5	6	6	5	3	4	6	3	1	4	6		5	7	4	5	4	5	124	Niigata
Tochigi	8	11	12		10		16	9	12	5	2	7	6	8	6	7	6	5	9	5	6	6	8	4	168	Tochigi
Hiroshima	10	13	10		10		10	7	6	6	6	7	3	2	5	5	5	3	2	2	2	3	4	4	125	Hiroshima
Akita	2	6	3		4		5	2	7	3	2	4	1	2	2	3	1	1	3	4	4	3	5	4	71	Akita
Kochi	3	1	1		2		6	3	5	1	1	1	2	3		5		2	2	3	1	1	2	4	49	Kochi
Hokkaido	3	1	3		4		3		2	2	1	2	3	2		2	1	2		2	3	4	1	4	45	Hokkaido
Hyogo	9	14	13		10		9	6	11	3	7	7	8	7	5	7	11	13	13	10	5	6	6	3	183	Hyogo
Oita	2		4		3		3	11	5	4	4	2	1	2		1		1	2	1	4	2	5	3	60	Oita
Shimane	1		2		4		3	2	1	2		1	1	1	1			3		2	1		1	3	29	Shimane
Aomori	2	2	1		1						1		3	4			1		4	3				3	25	Aomori
Fukuoka	11	4	12		5		8	11	6	4	2	5	2	5	2	3	2	5	5	3	5	2	4	2	108	Fukuoka
Yamagata	8	4	6		1		3	3	8	1	2	2	2	2	3	3	2	3	3	2	3	1	2	2	66	Yamagata
Kumamoto	2	3	1		2		3	2	1	2	2		5	2	3	3	2	1		2	1	2	2	2	43	Kumamoto

Fukui	2		1		1		1		1		1		4	1	1	2	1	1	1			1		2	21	Fukui	
Kagawa	5	5	8		5		5	5	3	1	3	4	5			3	4	5	1	3	1		1	1	68	Kagawa	
Miyagi	7	6	3		1		2	4		5	3		1	6	3	3	5	1	1	1		2	2	1	57	Miyagi	
Fukushima	4	4	2		4		4	1	4	2		3	4	2	2	2	2	4	1	1			3	1	50	Fukushima	
Yamaguchi		1	1		3		1	6	2	3	3	1	2	2		3	1				2	2		1	34	Yamaguchi	
Miyazaki	3	1	2		1		1	2	4	2	1	2	1	3	2		1		3	1	1			1	32	Miyazaki	
Wakayama	2	1	1		3		4		1	3	1	1	1	2		1				1		1	1	1	25	Wakayama	
Ehime			1					2	1	4	2		4		1	1	1			2				1	20	Ehime	
Kagoshima	2		1				3		2						1	1	1	1					3	4	1	20	Kagoshima
Saga	1	2	1		1		1			2	2			1	1				1		1			1	15	Saga	
Toyama	8	5	6		5		4	5	5	6	2	2	2	4	1	1	2	2	3	1	4	2	2		72	Toyama	
Ishikawa	6	5	5		3		4	4	6	5	1	1	3	1	2	4		6	3		1		1		61	Ishikawa	
Nagasaki	7	2					1	3	2	1	1					1							1		19	Nagasaki	
Nara	1		1		1		4		1				1		1			1		2					13	Nara	
Tokushima										1			2		1				1	1					6	Tokushima	
Tottori		1					1							1											3	Tottori	
Okinawa								1																1	2	Okinawa	
total	338	332	358	292	324	241	309	264	309	277	154	189	236	209	161	170	179	185	171	198	198	163	209	212	5,678	total	

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