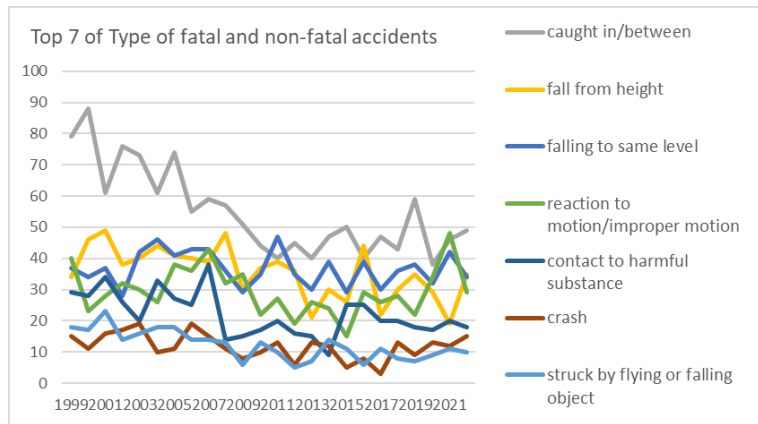
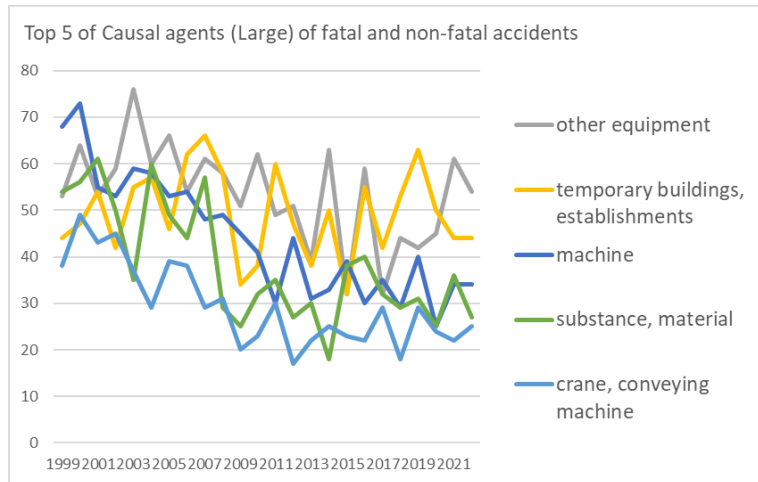


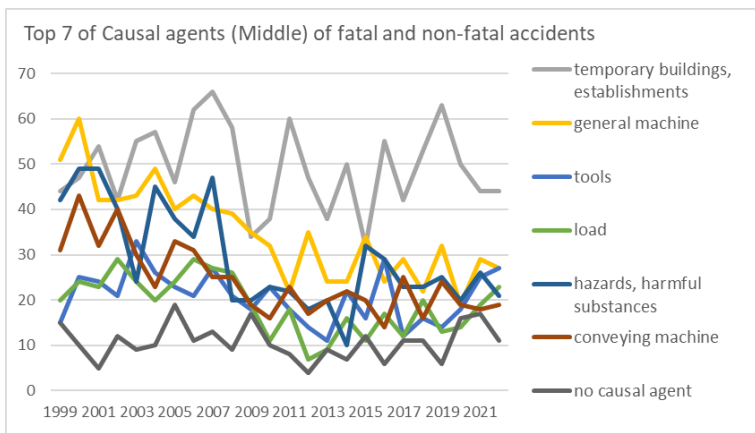
Transition of fatal and non-fatal accidents in 010801 non organic or organic chemical products in Japan (1999-2022)



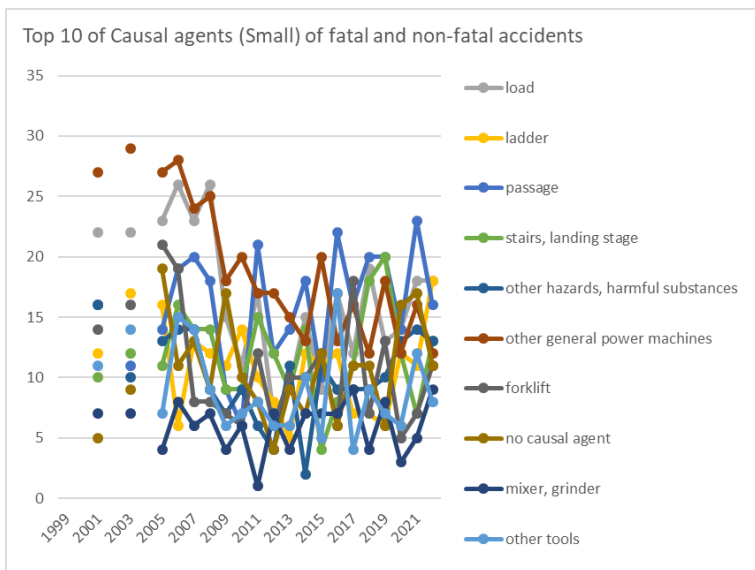
Transition of Top 7 of Type of fatal and non-fatal accidents in 010801 non organic or organic chemical products in Japan (1999-2022)



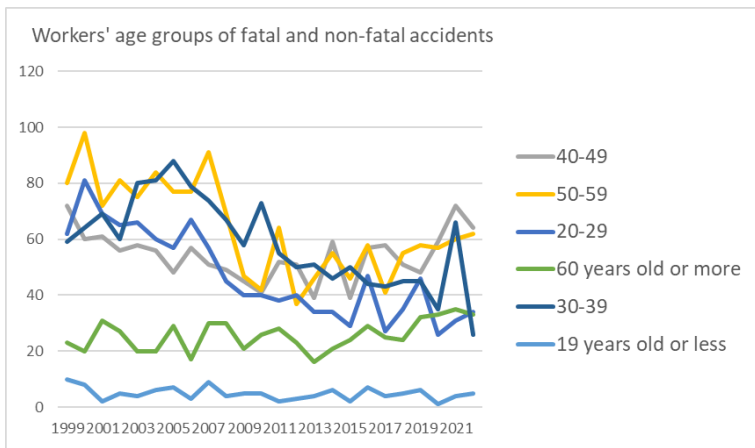
Transition of Top 5 of Causal agents (Large) of fatal and non-fatal accidents in 010801 non organic or organic chemical products in Japan (1999-2022)



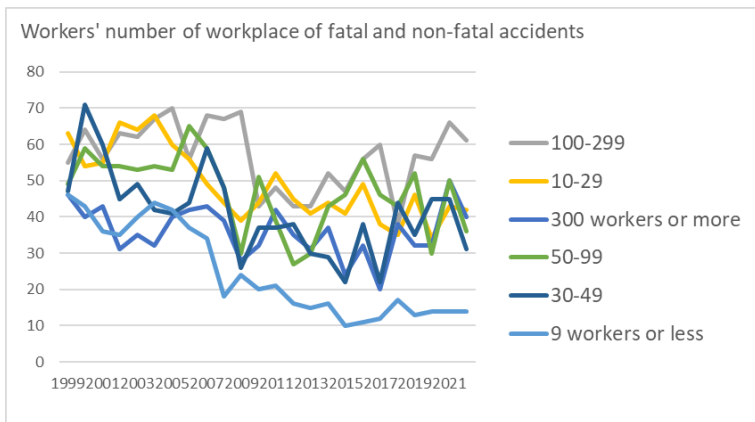
Transition of Top 7 of Causal agents (Middle) of fatal and non-fatal accidents in 010801 non organic or organic chemical products in Japan (1999-2022)



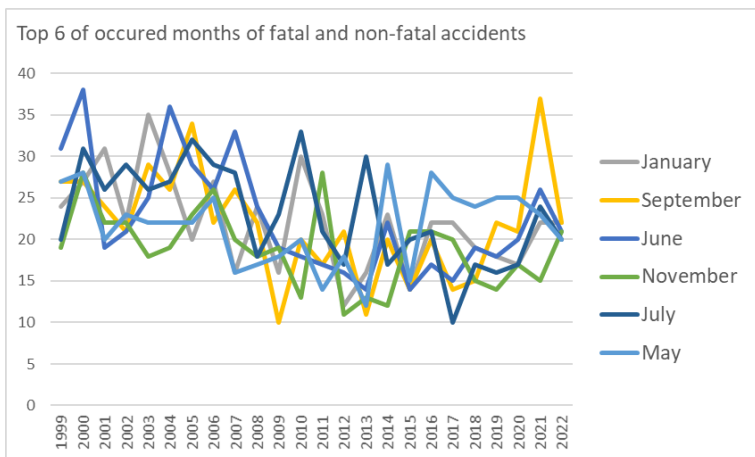
Transition of Top 10 of Causal agents (Small) of fatal and non-fatal accidents in 010801 non organic or organic chemical products in Japan (1999-2022)



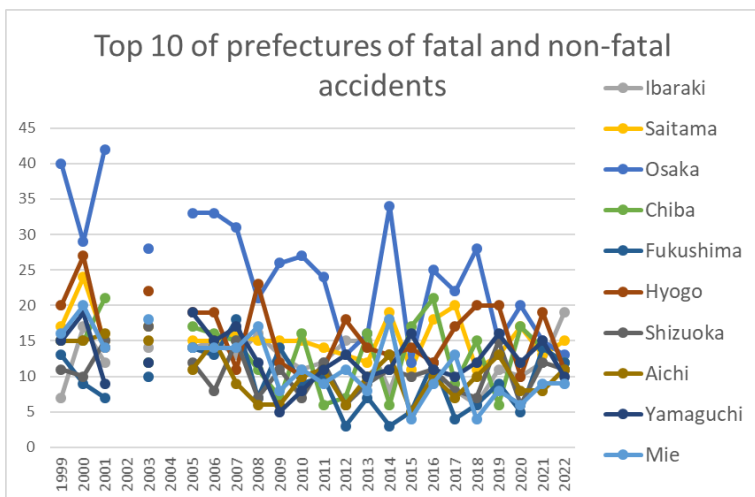
Transition of workers' age groups of fatal and non-fatal accidents in 010801 non organic or organic chemical products in Japan (1999-2022)



Transition of workers' number of workplace of fatal and non-fatal accidents in 010801 non organic or organic chemical products in Japan (1999-2022)



Transition of Top 6 of occurred months of fatal and non-fatal accidents in 010801 non organic or organic chemical products in Japan (1999-2022)



Transition of Top 10 of prefectures of fatal and non-fatal accidents in 010801 non organic or organic chemical products in Japan (1999-2022)

Transition of Type of fatal and non-fatal accidents in 010801 non organic or organic chemical products 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	79	88	61	76	73	61	74	55	59	57	51	44	40	45	40	47	50	40	47	43	59	38	46	49	1,322	caught in/between
fall from height	34	46	49	38	40	44	41	40	39	48	30	37	39	36	21	30	26	44	22	30	35	29	19	35	852	fall from height

falling to same level	37	34	37	28	42	46	41	43	43	36	29	35	47	35	30	39	29	39	30	36	38	32	42	34	882	falling to same level
reaction to motion/improper motion	40	23	28	32	30	26	38	36	43	32	35	22	27	19	26	24	15	29	26	28	22	34	48	29	712	reaction to motion/improper motion
contact to harmful substance	29	28	34	26	20	33	27	25	38	14	15	17	20	16	15	9	25	25	20	20	18	17	20	18	529	contact to harmful substance
crash	15	11	16	17	19	10	11	19	15	11	8	10	13	6	13	12	5	8	3	13	9	13	12	15	284	crash
struck by flying or falling object	18	17	23	14	16	18	18	14	14	13	6	13	10	5	7	14	11	6	11	8	7	9	11	10	293	struck by flying or falling object
crashed by	10	19	7	11	9	14	8	14	10	10	5	10	6	4	9	10	4	4	8	4	10	8	8	9	211	crashed by
cut	9	15	10	12	20	19	18	10	8	12	12	6	11	12	6	9	5	10	9	6	8	6	6	8	247	cut
contact to high/low-temperature	18	18	16	27	12	17	11	24	19	13	12	12	11	6	15	11	11	13	15	8	14	13	21	5	342	contact to high/low-temperature
others		2		1	1	1	1	3	5	3	1	2	2		2	2	3	1		6		1	19	5	61	others
traffic accident (public road)	1	6	6	4	5	4	3	4		1	1	4	3		2	1		6	3	1	1	3	1	2	62	traffic accident (public road)
collapse	8	6	2	1	6	1	3	4	5	7	2	7	3	3	1	3	1	5	1	3	4	3	4	1	84	collapse
fire	1		3	1	4	3	3	5	6	1	3		2	3		1	2	2		2	1	2	1	1	47	fire
electric shock		1		1	1		1		1	1		1			1				2	1	1			1	13	electric shock
burst		1	1	1	1			1	1	1									1	1				1	10	burst
traffic accident (others)																							1	1	2	traffic accident (others)

explosion	5	15	7	3	4	9	7	3	5	3	6	5	5	14	2	6	1	4		3	7	1	7		122	explosion
injury to the sole of the foot	1	1	2				1			1		2					2	3		1		2	1		17	injury to the sole of the foot
unclassifiable	1		2	1		1			1							3		2		1	1		1		14	unclassifiable
drown																		1							1	drown
total	306	331	304	294	303	307	306	300	312	264	216	227	239	204	190	221	190	242	198	215	235	211	268	224	6,107	total

Transition of Causal agents (Large) of fatal and non-fatal accidents in 010801 non organic or organic chemical 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
other equipment	53	64	53	59	76	60	66	54	61	58	51	62	49	51	39	63	32	59	32	44	42	45	61	54	1,288	other equipment
temporary buildings, establishments	44	47	54	42	55	57	46	62	66	58	34	38	60	47	38	50	32	55	42	53	63	50	44	44	1,181	temporary buildings, establishments
machine	68	73	55	53	59	58	53	54	48	49	45	41	30	44	31	33	39	30	35	29	40	25	34	34	1,060	machine
substance, material	54	56	61	50	35	60	49	44	57	29	25	32	35	27	30	18	38	40	32	29	31	25	36	27	920	substance, material
crane, conveying machine	38	49	43	45	37	29	39	38	29	31	20	23	30	17	22	25	23	22	29	18	29	24	22	25	707	crane, conveying machine
load	20	24	23	29	24	20	24	29	27	26	19	11	18	7	9	16	11	17	12	20	13	14	19	23	455	load
others	21	14	10	15	14	16	23	13	19	12	18	14	10	7	15	12	13	12	13	18	9	20	40	13	371	others
environment	8	4	5	1	3	7	6	6	5	1	4	6	7	4	6	4	2	7	3	4	8	8	12	4	125	environment
total	306	331	304	294	303	307	306	300	312	264	216	227	239	204	190	221	190	242	198	215	235	211	268	224	6,107	total

Transition of Causal agents (Middle) of fatal and non-fatal accidents in 010801 non organic or organic chemical 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	44	47	54	42	55	57	46	62	66	58	34	38	60	47	38	50	32	55	42	53	63	50	44	44	1,181	temporary buildings, establishments
general machine	51	60	42	42	43	49	40	43	40	39	35	32	22	35	24	24	34	24	29	22	32	19	29	27	837	general machine
tools	15	25	24	21	33	26	23	21	27	21	18	23	18	14	11	22	16	29	12	16	14	18	25	27	499	tools
load	20	24	23	29	24	20	24	29	27	26	19	11	18	7	9	16	11	17	12	20	13	14	19	23	455	load
hazards, harmful substances	42	49	49	40	24	45	38	34	47	20	20	23	22	18	20	10	32	29	23	23	25	20	26	21	700	hazards, harmful substances
conveying machine	31	43	32	40	30	23	33	31	25	25	19	16	23	17	20	22	20	14	25	16	24	19	18	19	585	conveying machine
no causal agent	15	10	5	12	9	10	19	11	13	9	17	10	8	4	9	7	12	6	11	11	6	16	17	11	258	no causal agent
human power machine, tools	11	10	6	9	11	10	17	6	7	13	8	15	9	9	7	11	3	7	9	7	11	13	10	11	230	human power machine, tools
other equipments, facilities	13	18	10	12	13	9	10	6	15	11	9	10	6	9	11	15	7	14	5	9	8	10	8	6	244	other equipments, facilities
materials	12	7	12	10	11	15	11	10	10	9	5	9	13	9	10	8	6	11	9	6	6	5	10	6	220	materials
chemical facilities	5	7	6	5	9	9	12	10	8	6	8	5	12	12	6	10	4	4	2	10	6	1	16	6	179	chemical facilities

chemical facilities			6		9		12	10	8	6	8	5	12	12	6	10	4	4	2	10	6	1	16	6	153	chemical facilities
conveyor			10		13		6	9	12	10	5	2	5	11	7	6	5	4	2	6	5	7	6	6	137	conveyor
hand tool			3		5		8	2	3	7	2	5	3	2	3	7		5	3	2	3	6	3	6	78	hand tool
human power hauling equipment			2		6		9	3	3	3	6	9	6	7	3	3	2	2	5	4	7	6	4	5	95	human power hauling equipment
power transmission mechanism			4		7		6	5	1	3	5	4	2	3	6	3	2	4	2	3	3	2	2	5	72	power transmission mechanism
machine/equipment as load			1		2		1	3	4		4		1		1	2			1				1	5	26	machine/equipment as load
other temporary buildings, establishments			5		8		1	6	3	4	4	6	4	3	4	3	2	7	3	4	6	10	4	4	91	other temporary buildings, establishments
cars, bus, motorcycle			5		5		4	4	2	2		3	4		2	1		6	2			2	2	4	48	cars, bus, motorcycle
roll machine (except printingroll machine)			8		5		5	3	7	4	9	6	1	6	5	4	2	2	1	2	4	2	6	3	85	roll machine (except printingroll machine)
metal material			8		5		3	2	6	5	2	2	4	5	5	3	3	6	3	3	2	2	5	3	77	metal material
roof, beam, haze, crossbeam, principal rafter			1		1		2		3	1		1	2		1	1		2			3	1	1	3	23	roof, beam, haze, crossbeam, principal rafter
printing machine					1		1	2					1	1			1		2		1		1	3	14	printing machine
working platform, boot board			8		12		6	10	6	6	8	5	6	10	2	5	8	9	2	1	4	5	3	2	118	working platform, boot board
other materials			3		5		6	8	4	4	3	3	9	3	5	4	2	5	6	3	4	3	5	2	87	other materials

other causal agent			2		5		4	2	5	2		4	1	3	6	3	1	3	2	7	2	4	22	2	80	other causal agent	
truck			8		1		4	1	3	5	5	6	3		2	5	3	3	3	3	3	3	6	3	2	69	truck
other environments			2		3		2	1	2		2	2	3	1	3	1	1	3		1	1	1	3	2	34	other environments	
kiln, caldron			3		2		1			2	2	2	2				1	1	1	1	1	1		2	22	kiln, caldron	
inflammable substance			5		5		2	2	4	2	3	3	3	2	1		3	1	1	3	5	2	2	1	50	inflammable substance	
crane			4				2	1	1	1		2	1			2	1				4	1	1	1	22	crane	
other metal manufacturing machines			1				3		1	2			2	1			1	1			1	1	1		1	16	other metal manufacturing machines
other pressure vessels					1				2	2	1	1	1	1		1		1			1	1		1	1	15	other pressure vessels
slinging tool			1		2						1	2							1		1		2	1	11	slinging tool	
lumber, bamboo			1				2					3				1	1							1	9	lumber, bamboo	
drill press, milling machine			1							1			1	1	1	1								1	8	drill press, milling machine	
abnormal environment			2				1			1			1									2		1	8	abnormal environment	
other powered crane								1				1	1										1	1	6	other powered crane	
transmission																			1		1	1	1	1	5	transmission	
water							1									1		1					1	1	5	water	
high/cold temperature environment			1				1	5	3			1	3	3	1	2	2	1	3	3	3	7	5	7	51	high/cold temperature environment	

pressure vessel			1		3		1	6	1	1	4	4		5	1		1	1						29	pressure vessel	
other powered conveying machines							2	2	1	2	1	2	1			1		1	2		2	1	2		20	other powered conveying machines
explosive substance			3				3		3	1		1	1	1	1				2		1	1	1		19	explosive substance
scaffolding			2				2	1	1	2		1	1				1		2	1	2	1	1		18	scaffolding
injection molding machine					1		2	1	2	1	1		1	3			1	1			1	1	1		17	injection molding machine
industrial dryer			2		3		1	2	1	1			1		2	1			1			1			16	industrial dryer
opening					1		1	1	3	2		1	1	1		1	1				1	2			16	opening
circular sawing machine					1		2	2	1	1	1	3	1					1	1				1		15	circular sawing machine
inflammable gas			3				2	1			4			1	1			2					1		15	inflammable gas
unclassifiable			3						1	1	1		1			2		3			1		1		14	unclassifiable
power press			1		1		1	1			1			1		1	1	1	1		1	1	1		13	power press
human power cranes			1						1	2		1					1		1	1	1	1	1	3	13	human power cranes
centrifugal machine								1		1	1		1				2	1	1	3		1			12	centrifugal machine
other vehicles			2		1			1	1			1	2					1	1						10	other vehicles
lathe			2		1			1				1	1						1				1		8	lathe
shearing machine			2		1			1		1	1								1	1					8	shearing machine
elevator, lift					1					1						2			1	1	2				8	elevator, lift
grinding machine, buffing machine										1			1	2			1		1						7	grinding machine, buffing machine
electric power					1		1			1		1			1	1		1							7	electric power

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
January	24	27	31	22	35	28	20	27	16	24	16	30	23	12	16	23	14	22	22	19	18	17	22	22	530	January
September	27	27	24	21	29	26	34	22	26	22	10	20	17	21	11	20	14	20	14	15	22	21	37	22	522	September
June	31	38	19	21	25	36	29	26	33	24	19	18	17	16	14	22	14	17	15	19	18	20	26	21	538	June
November	19	28	22	22	18	19	23	26	20	18	19	13	28	11	13	12	21	21	20	15	14	17	15	21	455	November
July	20	31	26	29	26	27	32	29	28	18	23	33	21	17	30	17	20	21	10	17	16	17	24	20	552	July
May	27	28	20	23	22	22	22	25	16	17	18	20	14	18	12	29	15	28	25	24	25	25	23	20	518	May
December	24	26	27	20	23	27	19	21	24	15	27	19	20	14	14	20	19	13	16	11	14	14	14	19	460	December
February	32	30	27	25	31	24	22	30	21	28	17	17	23	22	16	16	13	14	17	14	17	16	23	18	513	February
August	28	30	29	30	29	30	35	25	37	25	20	16	19	20	17	15	19	16	17	21	27	22	33	17	577	August
March	23	28	28	26	21	18	29	24	34	26	12	13	14	17	16	17	7	22	20	18	20	17	16	17	483	March
April	18	20	30	28	23	19	15	23	26	25	23	16	22	17	10	12	18	23	13	25	17	14	18	14	469	April
October	33	18	21	27	21	31	26	22	31	22	12	12	21	19	21	18	16	25	9	17	27	11	17	13	490	October
total	306	331	304	294	303	307	306	300	312	264	216	227	239	204	190	221	190	242	198	215	235	211	268	224	6,107	total

Transition of prefectures of fatal and non-fatal accidents in 010801 non organic or organic chemical 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
Ibaraki	7	17	12		14		14	15	13	16	13	11	12	15	15	8	16	11	8	6	11	10	12	19	275	Ibaraki
Saitama	17	24	15		17		15	15	16	15	15	15	14	13	12	19	11	18	20	11	13	17	13	15	340	Saitama
Osaka	40	29	42		28		33	33	31	21	26	27	24	13	16	34	12	25	22	28	15	20	15	13	547	Osaka
Chiba	15	15	21		12		17	16	15	11	7	16	6	7	16	6	17	21	9	15	6	17	14	12	291	Chiba
Fukushima	13	9	7		10		14	13	18	7	14	9	10	3	7	3	5	12	4	6	9	5	14	12	204	Fukushima
Hyogo	20	27	14		22		19	19	11	23	12	10	11	18	14	13	14	12	17	20	20	10	19	11	356	Hyogo
Shizuoka	11	10	15		17		12	8	15	7	11	7	12	6	9	11	10	11	8	7	15	6	12	11	231	Shizuoka

Aichi	15	15	16		15		11	15	9	6	6	10	11	6	10	13	5	10	7	10	13	8	8	11	230	Aichi	
Yamaguchi	15	19	9		12		19	15	17	12	5	8	11	13	10	11	16	11	10	12	16	12	15	10	278	Yamaguchi	
Mie	16	20	14		18		14	14	14	17	8	11	9	11	8	18	4	9	13	4	8	6	9	9	254	Mie	
Fukuoka	18	17	11		11		9	6	17	10	10	10	12	7	5	6	6	10	6	11	8	8	15	8	221	Fukuoka	
Niigata	13	13	11		11		8	12	10	15	8	7	11	7	8	5	5	10	4	3	6	8	11	8	194	Niigata	
Okayama	6	4	12		9		4	12	12	7	2	4	6	5	5	8	8	8	2	5	4	6	6	7	142	Okayama	
Shiga	2	5	3		7		4	4	5	6	4	4	3	3	3	6	1	3	5	1	5	2		7	83	Shiga	
Wakayama	9	12	8		7		10	8	8	3	2	7	12	5	8	2	3	2	6	8	6	7	7	6	146	Wakayama	
Gunma	4	15	9		4		10	4	10	7	5	4	7	3	4	5	2	4	3	7	5	6	3	6	127	Gunma	
Tokushima	8	6	6		8		9	5	13	7	6	3	9	4	1	1	6	3	4	5	9	2	6	5	126	Tokushima	
Hiroshima	6	3	8		5		6	6	7	6	4	4	4	5	3	2	5	5	9	5	7	3	2	5	110	Hiroshima	
Gifu	4	6	5		4		3	3	4	8	4	6	5	3	2	3	1		3	1	6	1	7	5	84	Gifu	
Hokkaido	7	6			1		2	2	7	2	6	2	1	3	2	2	2		1	3	3	3	3	5	63	Hokkaido	
Kanagawa	5	6	11		14		13	13	15	11	14	10	10	4	8	9	5	13	7	8	7	11	14	4	212	Kanagawa	
Fukui	2	3	12		3		6	7	7	5	2	5	5	6		8	6	9	3	10	5	5	7	4	120	Fukui	
Toyama	6	7	1		6		2	7	4	6	3	4	4	2	3	7	5	5	5	3	8	4	9	4	105	Toyama	
Kyoto	10	8	5		10		5	10	4	4		1	3	6		4	3	3	2	2	5	7	3	4	99	Kyoto	
Kagawa	8	3	4		7		8	1	5	4	4	1	2	2	2		2	2		4	5	2	4	4	74	Kagawa	
Ehime	1	5	5		6		6	3	4	3	1	5	7	6	2		2		3	3	2	5	7	3	79	Ehime	
Tokyo	7	2	4		6		11	4	1	2	2	6		2	2	3	3	1	3	2	4	1	1	2	69	Tokyo	
Kagoshima	2	4			3		3	1	2	1	2	1				1	1	1		3		1	1	2	29	Kagoshima	
Ishikawa	1	2	3		1			1	2	1	1	3		1		1				1				2	20	Ishikawa	
Yamanashi		1			1			1		1					1					2	1	1		1	2	12	Yamanashi

Nagasaki			1				4					1	1	1					1	1			2	12	Nagasaki	
Tochigi	5	2	1		2		1	1	3	4	4	1	3	5	4		1	3	1		5	1	4	1	52	Tochigi
Kumamoto	1	2	2				3	3	3	1	2	1		2	1		7	1			1	1	2	1	34	Kumamoto
Nagano		1	3		1		1	2	1	3		1		1		3		4	2	2		3	2	1	31	Nagano
Miyazaki		2					3		1		2	2		1	3		2	1		1	1	5	3	1	28	Miyazaki
Nara		2	1		1		2	2	2		2		1	1			2						3	1	20	Nara
Yamagata			1		1		1	2	1					1	1	2	1	3	1	1				1	17	Yamagata
Oita	5	1	3		2		1	5		1	1	2	3	4	2	2	1	3	1	1	2	3	7		50	Oita
Saga	1	2			1		1	4	2	2	2	2	1	3		2			2	2	1		1		29	Saga
Miyagi			1		2		2	3	2	1	2	1	5	2			1	1	1			1	2		27	Miyagi
Akita		1	1		1					5			1	3		2		2	1				3		20	Akita
Kochi		2	1		2		1	1		1		1		1	1		1	2	1		1	2	1		19	Kochi
Iwate	1	2	3				1		1	1	1		2			1							1		14	Iwate
Aomori	2	1					1				2	1	1									1	1		10	Aomori
Shimane	1				1		1			1	1	2			1					1	1				10	Shimane
Okinawa			1									2						1	2	1		1			8	Okinawa
Tottori	2		2																						4	Tottori
total	306	331	304	294	303	307	306	300	312	264	216	227	239	204	190	221	190	242	198	215	235	211	268	224	6,107	total

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