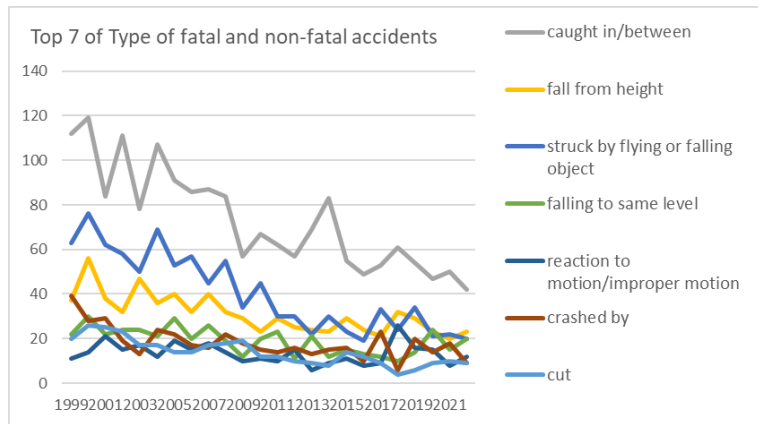
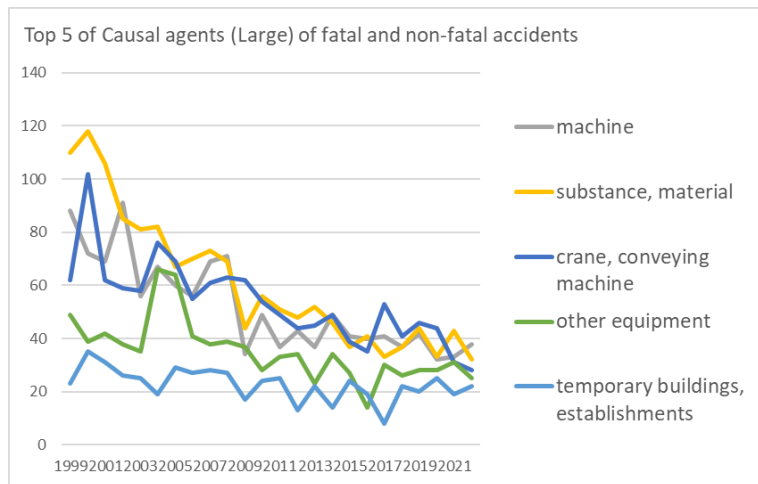


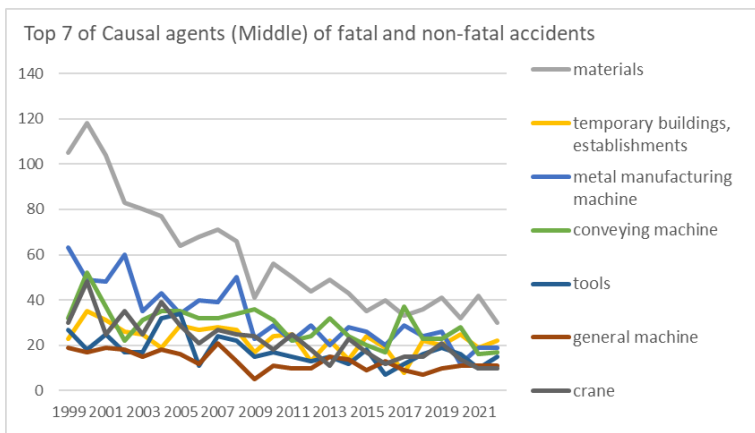
Transition of fatal and non-fatal accidents in 011009 other steel products in Japan (1999-2022)



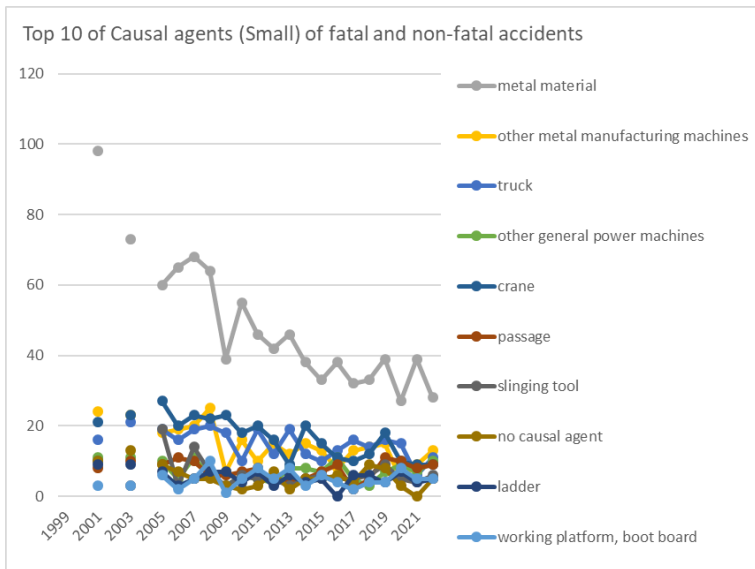
Transition of Top 7 of Type of fatal and non-fatal accidents in 011009 other steel products in Japan (1999-2022)



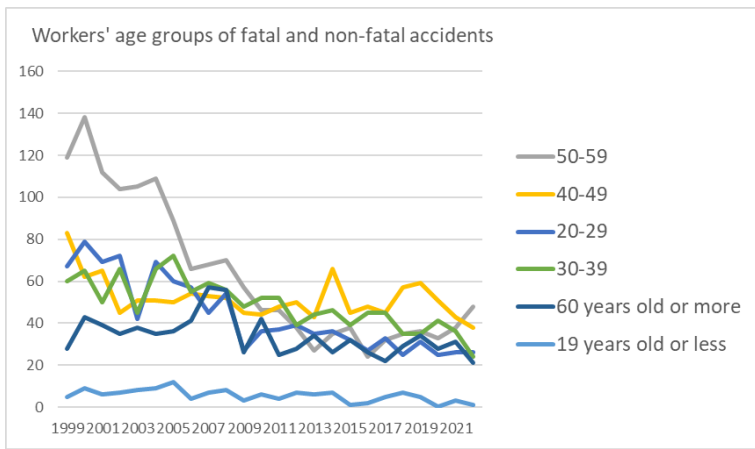
Transition of Top 5 of Causal agents (Large) of fatal and non-fatal accidents in 011009 other steel products in Japan (1999-2022)



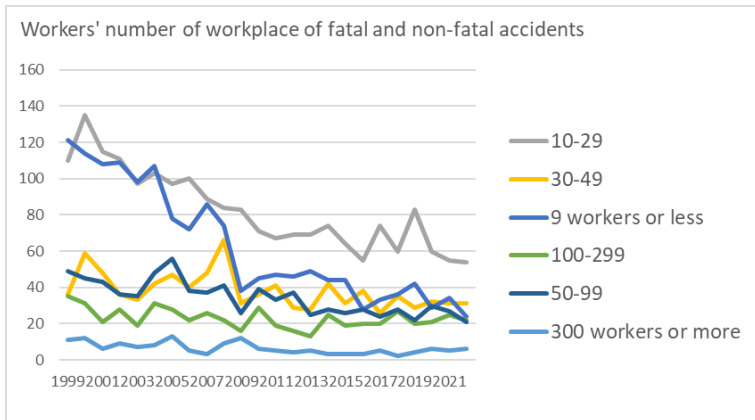
Transition of Top 7 of Causal agents (Middle) of fatal and non-fatal accidents in 011009 other steel products in Japan (1999-2022)



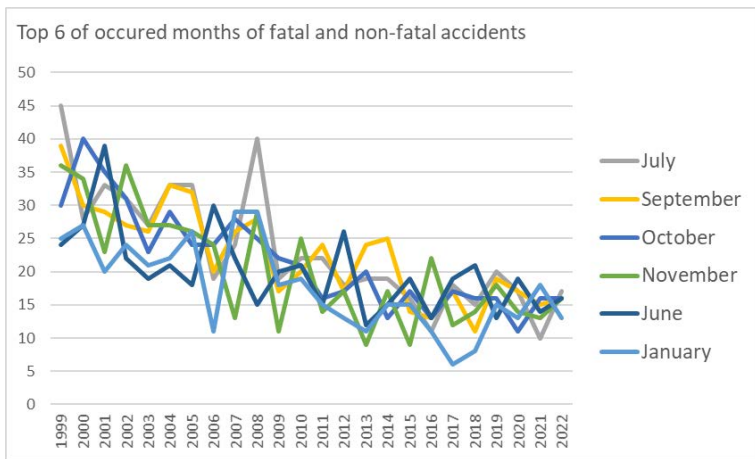
Transition of Top 10 of Causal agents (Small) of fatal and non-fatal accidents in 011009 other steel products in Japan (1999-2022)



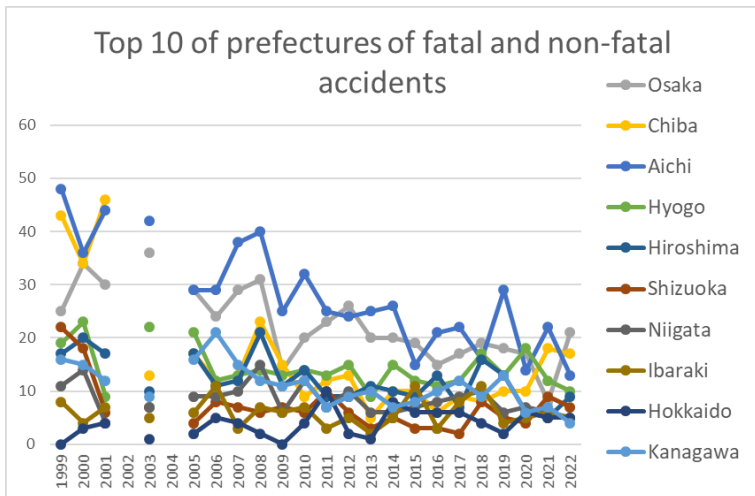
Transition of workers' age groups of fatal and non-fatal accidents in 011009 other steel products in Japan (1999-2022)



Transition of workers' number of workplace of fatal and non-fatal accidents in 011009 other steel products in Japan (1999-2022)



Transition of Top 6 of occurred months of fatal and non-fatal accidents in 011009 other steel products in Japan (1999-2022)



Transition of Top 10 of prefectures of fatal and non-fatal accidents in 011009 other steel products in Japan (1999-2022)

Transition of Type of fatal and non-fatal accidents in 011009 other steel 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	112	119	84	111	78	107	91	86	87	84	57	67	62	57	69	83	55	49	53	61	54	47	50	42	1,765	caught in/between
fall from height	37	56	38	32	47	36	40	32	40	32	29	23	29	25	24	23	29	24	21	32	29	23	20	23	744	fall from height

burst					1	1	1					1													4	burst	
unclassifiable			1			1									1	1										4	unclassifiable
traffic accident (others)			1											1												2	traffic accident (others)
drown													1													1	drown
total	362	396	341	329	289	339	319	277	289	296	206	226	212	201	189	216	187	172	182	188	200	178	177	158	5,929	total	

Transition of Causal agents (Large) of fatal and non-fatal accidents in 011009 other steel 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
machine	88	72	69	91	56	67	60	56	69	71	34	49	37	43	37	49	41	40	41	37	42	32	33	38	1,252	machine
substance, material	110	118	106	85	81	82	67	70	73	69	44	56	51	48	52	46	37	41	33	37	44	33	43	32	1,458	substance, material
crane, conveying machine	62	102	62	59	58	76	69	55	61	63	62	54	49	44	45	49	39	35	53	41	46	44	31	28	1,287	crane, conveying machine
other equipment	49	39	42	38	35	66	64	41	38	39	37	28	33	34	23	34	27	14	30	26	28	28	31	25	849	other equipment
temporary buildings, establishments	23	35	31	26	25	19	29	27	28	27	17	24	25	13	22	14	24	19	8	22	20	25	19	22	544	temporary buildings, establishments
others	8	6	11	10	13	6	11	9	5	7	4	2	3	9	3	7	5	10	6	10	10	3	11	6	175	others
environment	2	1	1	4	1		1	3	2	3		5	5		1	5	2	3	5	2	2	4	3	4	59	environment
load	20	23	19	16	20	23	18	16	13	17	8	8	9	10	6	12	12	10	6	13	8	9	6	3	305	load
total	362	396	341	329	289	339	319	277	289	296	206	226	212	201	189	216	187	172	182	188	200	178	177	158	5,929	total

Transition of Causal agents (Middle) of fatal and non-fatal accidents in 011009 other steel 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	
materials	105	118	104	83	80	77	64	68	71	66	41	56	50	44	49	43	35	40	33	36	41	32	42	30	1,408	materials	
temporary buildings, establishments	23	35	31	26	25	19	29	27	28	27	17	24	25	13	22	14	24	19	8	22	20	25	19	22	544	temporary buildings, establishments	
metal manufacturing machine	63	49	48	60	35	43	34	40	39	50	23	29	22	29	20	28	26	20	29	24	26	12	19	19	787	metal manufacturing machine	
conveying machine	32	52	37	22	31	35	35	32	32	34	36	31	22	24	32	24	20	17	37	23	23	28	16	17	692	conveying machine	
tools	27	18	25	17	17	32	34	11	24	22	15	17	15	13	15	12	18	7	12	16	19	16	10	15	427	tools	
general machine	19	17	19	18	15	18	16	12	21	13	5	11	10	10	15	14	9	13	9	7	10	11	11	11	314	general machine	
crane	30	48	25	35	25	39	29	21	27	25	24	18	25	18	11	23	17	12	15	15	21	14	10	10	537	crane	
no causal agent	4	5	10	9	13	2	9	7	5	5	3	2	3	7	2	5	5	6	4	9	8	3		5	131	no causal agent	
human power machine, tools	8	11	5	11	7	11	10	9	3	3	5	1	5	6	5	7	4	3	8	3	5	5	5	5	4	144	human power machine, tools
welding equipment	3	3	5	2	4	4	7	3	6	3	5	5	2	9	1	4	1	3	2	1	3	1	7	4	88	welding equipment	
construction machine	1	2	1	6	4	5	5	2	3	4	4	5	2	2	1	5	3	5	2	5	5	6	2	4	84	construction machine	

natural environment	2	1	1	4	1		1	3	2	3		5	5		1	5	2	3	5	2	2	4	3	4	59	natural environment
load	20	23	19	16	20	23	18	16	13	17	8	8	9	10	6	12	12	10	6	13	8	9	6	3	305	load
other equipments, facilities	4	4	2	7	5	10	10	12	5	7	12	3	7	5	1	8	2	1	5	4	1	4	9	2	130	other equipments, facilities
hazards, harmful substances	5		2	2	1	5	3	2	2	3	3		1	4	3	3	2	1		1	3	1	1	2	50	hazards, harmful substances
power transmission mechanism	4	1		3		1	3		6	1	1	3	1	1	1	2	2		1			2	1	2	36	power transmission mechanism
woodworking machine		2	1	4	2		2	1		3	1	1	2	1			1	2				1		2	26	woodworking machine
vehicle		2		2	2	2	5	2	2	4	2	5	2	2	2	2	2	6	1	3	2	2	5	1	58	vehicle
unclassifiable	1					1	1			1								1						1	6	unclassifiable
kiln, caldron	5	1	3		2	7	2	4		3		2	2	1	1	3	2		2	2		2			44	kiln, caldron
other causal agent	3	1	1	1		3	1	2		1	1			2	1	2		3	2	1	2		11		38	other causal agent
pressure vessel		1	1			2		1		1			1						1						8	pressure vessel
electric equipment	2	1	1	1				1					1												7	electric equipment
engine	1	1						1												1	1				5	engine
chemical facilities							1																		1	chemical facilities

printingroll machine)			8		4		6	6	7	5	2	5	5	5	6	6	2	1	2	4	3	1	2	1	81	printingroll machine)	
high/cold temperature environment			1		1		1	1	2	1		5	3		1	3	2	2	4	2		2	1	1	33	high/cold temperature environment	
human power hauling equipment			1		2		2	2	1		1		1	3	1	3	1	2	1	1	1	3	3	1	30	human power hauling equipment	
machine/equipment as load			5		2		3	3		2		1	1	1			3		1	1	2	1		1	27	machine/equipment as load	
other powered conveying machines			2		3			1	4	3	2	1			2	2			1				1	1	23	other powered conveying machines	
lathe			3		1			2	2	3	1		1	1		1				1	1	1	1	1	20	lathe	
excavating machine					1		2	2	1	1	3	3				1	1			1		1	1	1	19	excavating machine	
leveling, transporting or loading machine			1		2		1					1	1	1		1		1	3		2	1	2		1	18	leveling, transporting or loading machine
arc welding equipment			2		2		3	1								2		1					1	1	16	arc welding equipment	
other hazards, harmful substances			1		1		1	1	1	1				3		1		1		1	1		1	1	15	other hazards, harmful substances	
other powered crane							1	1	2					1	1	1				2	1	2		1	13	other powered crane	
inflammable substance			1				1	1			2		1		1	1						1		1	10	inflammable substance	
other welding			1					1		1						2							1	1	7	other welding	

equipment																									equipment	
other vehicles								1							1	1		1			1		1	6	other vehicles	
unclassifiable						1			1							1						1	4	unclassifiable		
shearing machine			7		5		4	10	6	5	8	3	4	3	1	9	5	5	9	3	6	1	7		101	shearing machine
cars, bus, motorcycle					2		5	2	1	3	2	5	2	2	2	1	1	6		3	2	1	5		45	cars, bus, motorcycle
mobile crane			4		2		1		2	3	1		5	1	1	1	2	1	3	2	1	4	1		35	mobile crane
other materials			4		4		1	2		1	1	1	3	2	2	2	1		1	2	2	3	2		34	other materials
power press			2		1		1	2	1	4		1	4	3	1	1	2	3	2	2		1	2		33	power press
other causal agent			1				1	2		1	1			2	1	2		3	2	1	2		11		30	other causal agent
forging pressure hammer			3		2		4			3	5	4		1	1		1	1		1	1				27	forging pressure hammer
kiln, caldron			2		2		1	4		3		2	2	1	1	2	2		2	2		1			27	kiln, caldron
opening			1		1		1	1	1			2	2	1	1		1	1		1					14	opening
other construction machines					1				1	1		1		2		2	1			1	2	1			13	other construction machines
mixer, grinder								1	3	2				1	1				2			1	2		13	mixer, grinder
harmful substance							1		1	2	1			1	1		1				1				9	harmful substance
human power machine									1					1					3			1			7	human power machine
other pressure vessels			1						1		1								1						5	other pressure vessels
roof, beam, haze, crossbeam, principal rafter					1									1											5	roof, beam, haze, crossbeam, principal rafter

total	362	396	341	329	289	339	319	277	289	296	206	226	212	201	189	216	187	172	182	188	200	178	177	158	5,929	total
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Transition of workers' age groups of fatal and non-fatal accidents in 011009 other steel 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
50-59	119	138	112	104	105	109	89	66	68	70	57	46	46	38	27	35	38	24	32	35	36	33	38	48	1,513	50-59
40-49	83	62	65	45	51	51	50	54	53	52	45	44	48	50	43	66	45	48	45	57	59	51	43	38	1,248	40-49
20-29	67	79	69	72	42	69	60	57	45	54	27	36	37	39	35	36	32	27	33	25	31	25	26	26	1,049	20-29
30-39	60	65	50	66	45	66	72	55	59	56	48	52	52	39	44	46	39	45	45	35	35	41	36	24	1,175	30-39
60 years old or more	28	43	39	35	38	35	36	41	57	56	26	42	25	28	34	26	32	26	22	29	34	28	31	21	812	60 years old or more
19 years old or less	5	9	6	7	8	9	12	4	7	8	3	6	4	7	6	7	1	2	5	7	5		3	1	132	19 years old or less
total	362	396	341	329	289	339	319	277	289	296	206	226	212	201	189	216	187	172	182	188	200	178	177	158	5,929	total

Transition of workers' number of workplace of fatal and non-fatal accidents in 011009 other steel 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
10-29	110	135	115	111	97	103	97	100	89	84	83	71	67	69	69	74	64	55	74	60	83	60	55	54	1,979	10-29
30-49	36	59	48	36	33	42	47	40	48	66	31	36	41	29	28	42	31	38	26	35	29	32	31	31	915	30-49
9 workers or less	121	114	108	109	98	107	78	72	86	74	38	45	47	46	49	44	44	28	33	36	42	29	34	24	1,506	9 workers or less
100-299	35	31	21	28	19	31	28	22	26	22	16	29	19	16	13	25	19	20	20	27	20	21	25	22	555	100-299
50-99	49	45	43	36	35	48	56	38	37	41	26	39	33	37	25	28	26	28	24	28	22	30	27	21	822	50-99
300 workers or more	11	12	6	9	7	8	13	5	3	9	12	6	5	4	5	3	3	3	5	2	4	6	5	6	152	300 workers or more
total	362	396	341	329	289	339	319	277	289	296	206	226	212	201	189	216	187	172	182	188	200	178	177	158	5,929	total

Transition of occurred months of fatal and non-fatal accidents in 011009 other steel 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
July	45	28	33	31	27	33	33	19	24	40	19	22	22	18	19	19	16	11	18	15	20	17	10	17	556	July
September	39	30	29	27	26	33	32	20	26	28	17	20	24	17	24	25	14	13	17	11	19	17	15	16	539	September
October	30	40	35	31	23	29	24	24	28	25	22	21	16	17	20	13	17	13	17	16	16	11	16	16	520	October
November	36	34	23	36	27	27	26	24	13	29	11	25	14	17	9	17	9	22	12	14	18	14	13	16	486	November
June	24	27	39	22	19	21	18	30	22	15	20	21	15	26	12	15	19	13	19	21	13	19	14	16	480	June
January	25	27	20	24	21	22	26	11	29	29	18	19	15	13	11	15	15	11	6	8	15	13	18	13	424	January
May	28	44	36	29	21	36	18	29	35	22	19	17	20	17	19	19	19	12	17	18	18	10	16	12	531	May
February	25	45	27	27	22	26	30	26	25	21	11	10	18	13	9	13	14	21	16	18	16	10	14	12	469	February
March	20	30	35	24	25	35	33	26	30	30	20	20	24	23	14	22	16	19	18	12	16	17	13	11	533	March
April	28	27	26	25	29	28	24	23	20	21	14	14	13	12	19	15	15	11	15	13	20	22	12	11	457	April
August	33	33	23	27	26	27	33	20	20	22	14	17	17	20	17	29	18	14	11	22	11	16	26	10	506	August
December	29	31	15	26	23	22	22	25	17	14	21	20	14	8	16	14	15	12	16	20	18	12	10	8	428	December
total	362	396	341	329	289	339	319	277	289	296	206	226	212	201	189	216	187	172	182	188	200	178	177	158	5,929	total

Transition of prefectures of fatal and non-fatal accidents in 011009 other steel 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
Osaka	25	34	30		36		29	24	29	31	14	20	23	26	20	20	19	15	17	19	18	17	8	21	495	Osaka
Chiba	43	34	46		13		17	12	13	23	15	9	12	13	5	10	10	6	9	8	10	10	18	17	353	Chiba
Aichi	48	36	44		42		29	29	38	40	25	32	25	24	25	26	15	21	22	16	29	14	22	13	615	Aichi
Hyogo	19	23	9		22		21	12	13	14	13	14	13	15	9	15	12	11	12	17	13	18	12	10	317	Hyogo
Hiroshima	17	20	17		10		17	11	12	21	11	14	9	9	11	10	9	13	7	16	13	6	5	9	267	Hiroshima
Shizuoka	22	18	6		7		4	8	7	6	7	6	10	6	3	5	3	3	2	8	5	4	9	7	156	Shizuoka

Niigata	11	14	4		7		9	9	10	15	6	12	7	10	6	6	7	8	9	10	6	7	6	5	184	Niigata
Ibaraki	8	4	7		5		6	11	3	7	6	7	3	5	2	5	11	3	8	11	4	5	6	5	132	Ibaraki
Hokkaido		3	4		1		2	5	4	2		4	10	2	1	8	6	6	6	4	2	6	5	5	86	Hokkaido
Kanagawa	16	15	12		9		16	21	15	12	11	12	7	9	10	7	8	10	12	9	13	6	7	4	241	Kanagawa
Okayama	4	7	15		10		12	13	11	12	10	8	7	2	5	8	9	10	9	5	7	9	9	4	186	Okayama
Saitama	10	34	17		12		8	3	4	3	6	5	7	4	5	7	5	6	6	8	10	7	2	4	173	Saitama
Fukushima	11	2	3		7		10	7	3	7	4	6	1	9	2	4	2	6	7	5	3	6	5	4	114	Fukushima
Nara	4	11	11				4	3	4	1	1	4	3	4	3	3	1	1	2	2	3	1	2	4	72	Nara
Tokyo	13	14	20		14		10	9	19	6	7	7	8	3	9	5	6	8	6	4	4	6	2	3	183	Tokyo
Fukuoka	13	23	18		6		17	8	13	10	7	5	4	4	5	3	3	9	5	1	7	6	6	3	176	Fukuoka
Gunma	15	13	6		6		7	14	7	4	5	4	6	3	6	3	8	7	7	8	6	2	5	3	145	Gunma
Tochigi	10	11			3		5	1	5	6	4	5	2	3	8	9	3	1	4	3	8	2	2	3	98	Tochigi
Gifu	5	9	6		7		8	3	4	4	4	3	4	5	5	3	3	2	1	4	3	3	3	3	92	Gifu
Kumamoto	3	4	4		2		3	5	6	5	5	3	2	2	2	3	6			1	1	1	1	3	62	Kumamoto
Kagoshima	3		1				3	3	1	2	1			1			1			2				3	21	Kagoshima
Yamaguchi	4	4	2		6		7	7	6	6	2	3	2	7	2		2	2	3	4	1	3	4	2	79	Yamaguchi
Toyama	5	8	4		8		2	2	3	5	3	1	1	1	8	4	3	2		2	2	2	2	2	70	Toyama
Ishikawa	3		3		2		3	7	1	5		2	4	2	3	4	1		1	3	6	1	5	2	58	Ishikawa
Miyagi	3	1	4		3		6	4	5	1	2	2	3	2	1			2		1	1	5	5	2	53	Miyagi
Miyazaki	3	1	4		5		2	2	6	3	3			1	1		3				5	3	1	2	45	Miyazaki
Yamagata	3	2	4		2		4	3	3		2	2	2	3	3		1	1	1	2	1	2	1	2	44	Yamagata
Saga	2	7	3		2		2		3	3	2	1		1		1	1	2	1		1	3	1	2	38	Saga
Aomori	1		1							1	1	2		2		3	2	3	1	3	3	1	2	2	28	Aomori

Yamanashi	2	2			1		2	1		1			1		2	5	1			1			2	21	Yamanashi	
Kyoto	7	2	1		5		5	4	4		2	2	5	3	3	3	4	2	3		3	2	1	1	62	Kyoto
Wakayama	1	8	9		4		1	5	3	6	2	1	2	1	2	3	3	1	1	3			3	1	60	Wakayama
Mie	1	3	2		3		5	1	2	1		5	2	3	3	6	5		2	2	2	2	2	1	53	Mie
Nagano	9	4	4		2		4	5	4	2	1	6	1	2	4	1				1	1			1	52	Nagano
Okinawa	1	2	2				3	1	3	3	3	1	4		2	4	2				1	3	2	1	38	Okinawa
Kagawa	1	1			1		3	2	2	2	5	3	5		1	3		1			1		1	1	33	Kagawa
Akita		1			2			2	1	5	1	3	2	1			2		2	1		5	1	1	30	Akita
Shiga	2	5	5		9		11	7	6	5	3	4	3	2	3	3	5	5	4			3	5		90	Shiga
Kochi	2	5	2		6		13	7	7	9	3	3	3	3	1	7	1		3	1	3	1	2		82	Kochi
Fukui	1		1		1			2	1	2	3		1	2	3	2		1	4	2	3	1	1		31	Fukui
Nagasaki	1	3	1		3		4	1	2	3	2		2	2	3	1									28	Nagasaki
Iwate	2	2	2		1		1	1	3	1	2	1	2	1	1	1	1		2			1	1		26	Iwate
Ehime		2	1		1				1	1			1			3	2	3	2			3	2		22	Ehime
Shimane	3	2	2		1							2	2	2	1	1		1							17	Shimane
Tokushima	1		3				3	2	2			2		1							1				15	Tokushima
Oita	1	2	1		2		1				1		1			1	1		1	1		1			14	Oita
Tottori	3										1														4	Tottori
total	362	396	341	329	289	339	319	277	289	296	206	226	212	201	189	216	187	172	182	188	200	178	177	158	5,929	total

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