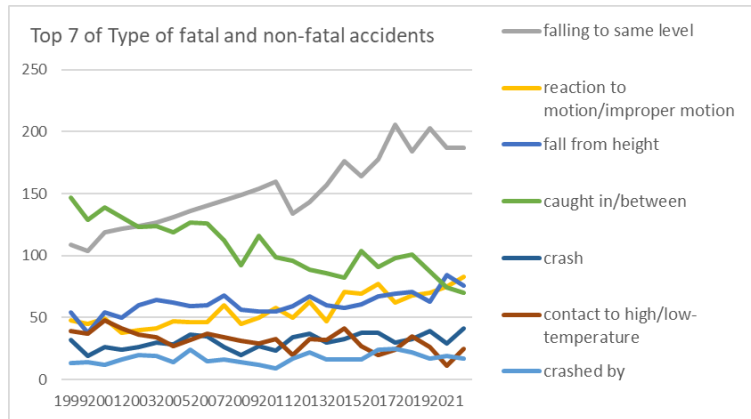
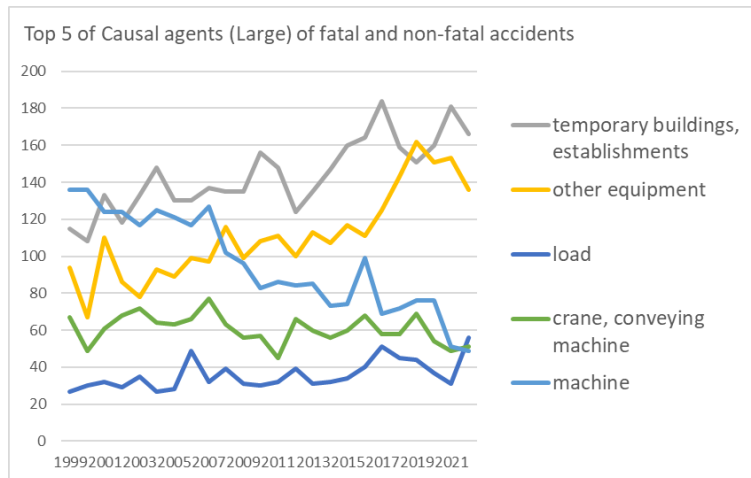


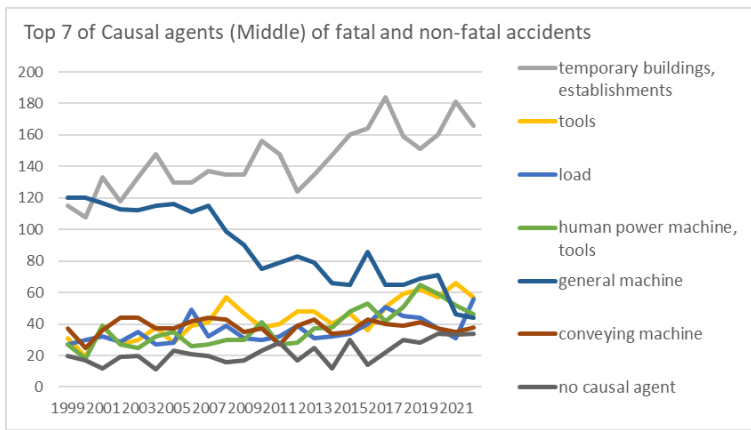
Transition of fatal and non-fatal accidents in 011703 cleaning in Japan (1999-2022)



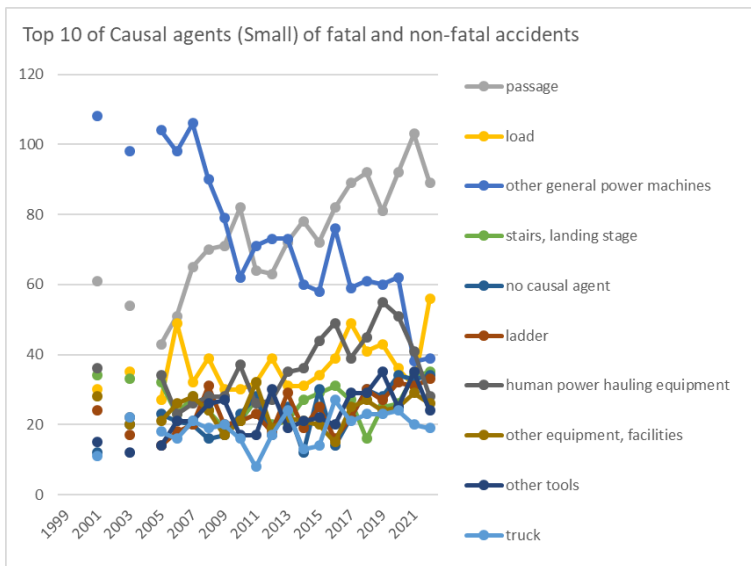
Transition of Top 7 of Type of fatal and non-fatal accidents in 011703 cleaning in Japan (1999-2022)



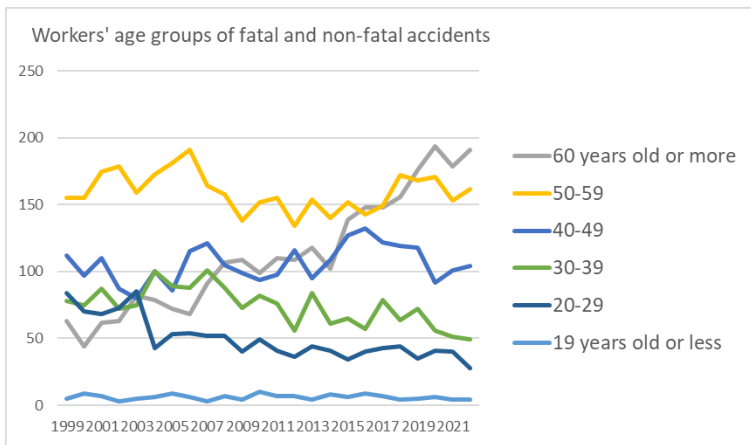
Transition of Top 5 of Causal agents (Large) of fatal and non-fatal accidents in 011703 cleaning in Japan (1999-2022)



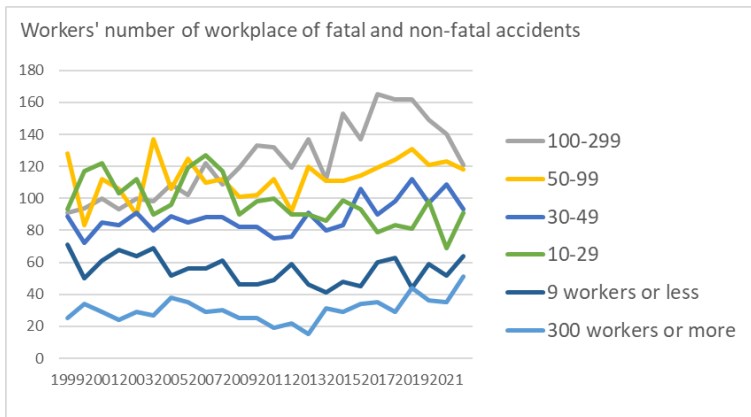
Transition of Top 7 of Causal agents (Middle) of fatal and non-fatal accidents in 011703 cleaning in Japan (1999-2022)



Transition of Top 10 of Causal agents (Small) of fatal and non-fatal accidents in 011703 cleaning in Japan (1999-2022)



Transition of workers' age groups of fatal and non-fatal accidents in 011703 cleaning in Japan (1999-2022)



Transition of workers' number of workplace of fatal and non-fatal accidents in 011703 cleaning in Japan (1999-2022)

motion/improper motion	48	45	49	38	40	41	47	46	46	60	45	50	58	50	63	47	71	69	77	62	68	70	75	83	1,348	motion/improper motion	
fall from height	54	38	54	50	60	64	62	59	60	68	56	55	55	59	67	60	58	61	67	69	71	63	84	76	1,470	fall from height	
caught in/between	147	129	139	131	123	124	119	127	126	112	92	116	99	96	89	86	82	104	91	98	101	87	74	70	2,562	caught in/between	
crash	32	19	26	24	26	30	28	36	35	26	20	27	23	34	37	30	33	38	38	30	33	39	29	41	734	crash	
contact to high/low-temperature	39	37	48	41	36	34	27	32	37	34	31	29	33	20	33	32	41	27	20	24	35	26	11	25	752	contact to high/low-temperature	
crashed by	13	14	12	16	20	19	14	24	15	16	14	12	9	17	22	16	16	16	24	25	22	17	19	17	409	crashed by	
cut	13	19	15	12	11	14	13	16	20	14	11	11	10	13	7	5	11	9	7	9	12	16	7	11	286	cut	
struck by flying or falling object	15	12	20	14	13	15	19	17	16	17	18	14	16	14	12	3	6	16	17	10	11	9	11	10	325	struck by flying or falling object	
traffic accident (public road)	15	11	18	21	18	17	15	16	24	11	13	10	11	12	13	16	16	15	15	11	17	11	8	6	340	traffic accident (public road)	
collapse	4	7	5	4	6	6	5	2	5	5	3	3	3	5	5	3	9	4	4	6	6	6	5	4	115	collapse	
contact to harmful substance	4	5		3	6	4	4	6	5	4	6	3	5	1	5	2	2	4	5	4	5	2	3	4	92	contact to harmful substance	
others	2	7			1	3	4	3	2	3	3	1	4	1	3	2	1	1	2	2	7	11	12	1	76	others	
unclassifiable	1	1	1					1		2	1			1		1	1	1	2	2	1			1	17	unclassifiable	
electric shock			1		1	1		1						1		1			1					1	8	electric shock	
explosion				1	1	1							1											2	1	7	explosion
injury to the sole of the foot			2			1														1				1		5	injury to the sole of the foot

fire	1	1					2														1				5	fire
traffic accident (others)		1							1	1															3	traffic accident (others)
burst													1												1	burst
drown																										drown
total	497	450	509	477	486	501	490	522	532	517	463	486	487	458	499	461	523	529	548	559	574	560	528	538	12,194	total

Transition of Causal agents (Large) of fatal and non-fatal accidents in 011703 cleaning 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	115	108	133	118	133	148	130	130	137	135	135	156	148	124	135	147	160	164	184	159	151	160	181	166	3,457	temporary buildings, establishments
other equipment	94	67	110	86	78	93	89	99	97	116	99	108	111	100	113	107	117	111	125	143	162	151	153	136	2,665	other equipment
load	27	30	32	29	35	27	28	49	32	39	31	30	32	39	31	32	34	40	51	45	44	37	31	56	861	load
crane, conveying machine	67	49	61	68	72	64	63	66	77	63	56	57	45	66	60	56	60	68	58	58	69	54	49	51	1,457	crane, conveying machine
machine	136	136	124	124	117	125	121	117	127	102	96	83	86	84	85	73	74	99	69	72	76	76	51	49	2,302	machine
others	28	31	27	26	26	23	34	33	30	31	22	26	36	22	34	20	44	23	32	39	38	52	47	45	769	others
environment	7	12	6	10	12	7	10	8	12	12	10	18	12	11	16	16	15	9	12	26	22	20	11	19	313	environment
substance, material	23	17	16	16	13	14	15	20	20	19	14	8	17	12	25	10	19	15	17	17	12	10	5	16	370	substance, material
total	497	450	509	477	486	501	490	522	532	517	463	486	487	458	499	461	523	529	548	559	574	560	528	538	12,194	total

Transition of Causal agents (Middle) of fatal and non-fatal accidents in 011703 cleaning 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	115	108	133	118	133	148	130	130	137	135	135	156	148	124	135	147	160	164	184	159	151	160	181	166	3,457	temporary buildings, establishments
tools	31	19	39	27	30	38	28	39	41	57	47	38	40	48	48	40	47	36	51	59	62	57	66	57	1,045	tools
load	27	30	32	29	35	27	28	49	32	39	31	30	32	39	31	32	34	40	51	45	44	37	31	56	861	load
human power machine, tools	27	18	39	27	25	32	35	26	27	30	30	41	27	28	37	38	48	53	42	51	65	59	52	46	903	human power machine, tools
general machine	120	120	117	113	112	115	116	111	115	99	90	75	79	83	79	66	65	86	65	65	69	71	46	44	2,121	general machine
conveying machine	37	25	36	44	44	37	37	42	44	43	35	37	27	39	43	34	35	43	40	39	41	37	35	38	912	conveying machine
no causal agent	20	17	12	19	20	11	23	21	20	16	17	23	28	17	25	12	30	14	22	30	28	34	33	34	526	no causal agent
other equipments, facilities	29	21	28	29	20	17	21	26	28	24	17	21	32	19	22	21	20	15	25	27	24	25	29	26	566	other equipments, facilities
natural environment	7	12	6	10	12	7	10	8	12	12	10	18	12	11	16	16	15	9	12	26	22	20	11	19	313	natural environment
vehicle	17	16	20	19	23	20	21	21	25	12	16	15	16	20	15	22	19	17	16	18	25	14	10	12	429	vehicle
materials	17	10	14	12	9	9	8	12	13	14	8	4	10	10	18	9	15	10	8	12	5	9	2	10	248	materials
other causal agent	6	12	14	7	5	10	10	10	10	13	2	2	7	3	9	7	14	9	9	6	8	18	14	10	215	other causal agent

																										agent
hazards, harmful substances	6	7	2	4	4	5	7	8	7	5	6	4	7	2	7	1	4	5	9	5	7	1	3	6	122	hazards, harmful substances
kiln, caldron	5	5	3	2	1	2	2	5		2	2	5	7	2	3	2	2	5	4	2	4	3	5	5	78	kiln, caldron
power transmission mechanism	8	11	6	7	4	7	1	1	6	2	4	7	5		5	5	6	10	4	5	5	5	5	3	122	power transmission mechanism
electric equipment	2	3		1	2	3	2		1	2	2	3	2	1	3	3			1	3	4	6	1	2	47	electric equipment
metal manufacturing machine	8	4		4		3	4	5	6	1	1			1	1	2	1	1			1			2	45	metal manufacturing machine
crane	13	8	5	5	5	7	5	3	8	8	5	5	2	7	2		6	8	2	1	3	3	4	1	116	crane
unclassifiable	2	2	1		1	2	1	2		2	3	1	1	2		1			1	3	2			1	28	unclassifiable
pressure vessel		1	1			1	1	3		1	1		3	1		3		2	2		2	1			23	pressure vessel
engine			1								1	1	1				1	1		1					7	engine
woodworking machine		1			1												1	1			1				5	woodworking machine
chemical facilities																				1	1				2	chemical facilities
construction machine														1											1	construction machine
mobile silviculture machine																				1					1	mobile silviculture machine

building, establishment			11		14		12	26	17	17	17	21	23	17	23	6	11	20	21	20	19	10	9	13	327	building, establishment
cars, bus, motorcycle			20		22		21	21	25	12	16	14	15	17	14	21	19	17	16	18	24	14	10	11	347	cars, bus, motorcycle
other temporary buildings, establishments			8		12		13	14	12	4	8	9	4	9	8	11	16	11	19	11	10	12	14	10	215	other temporary buildings, establishments
other causal agent			14		5		10	10	10	13	2	2	7	3	9	7	14	9	9	6	8	18	14	10	180	other causal agent
other environments			3		8		9	4	7	7	7	9	9	9	11	9	8	5	7	15	10	11	9	10	167	other environments
high/cold temperature environment			3		2			3	4	4	2	8	2	1	5	7	7	3	4	11	12	9	1	9	97	high/cold temperature environment
other materials			8		6		8	9	10	7	5	3	8	9	13	8	7	8	7	10	5	8	1	7	147	other materials
industrial dryer			3		1		2	4		2	2	4	7	2	3	2	2	5	3	2	4	3	3	5	59	industrial dryer
roll machine (except printingroll machine)			8		12		11	12	8	9	10	12	8	10	5	5	5	9	5	3	7	8	7	4	158	roll machine (except printingroll machine)
power transmission mechanism			6		4		1	1	6	2	4	7	5		5	5	6	10	4	5	5	5	5	3	89	power transmission mechanism
other hazards, harmful substances			2		2		2	1	2	4	3		3	2	1		2	3	5	2	5	1	3	3	46	other hazards, harmful substances
harmful substance					1		4	6	4	1	3	2	4		6	1		2	3	2	2			2	43	harmful substance
metal material			6		2			3	3	5	2		2	1	4	1	5	2		1		1	1	2	41	metal material
hand tool			2		2		1	2		1	2	2	1	1	2	1	3	2	2	3	2	3	1	2	35	hand tool
forklift			1		2		2	3			1			1	1	3		1	1	1	3	1		2	23	forklift

Transition of workers' age groups of fatal and non-fatal accidents in 011703 cleaning 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
60 years old or more	63	44	62	63	82	79	72	68	91	107	109	99	110	109	118	102	139	148	148	156	176	194	179	191	2,709	60 years old or more
50-59	155	155	175	179	159	173	181	191	164	158	138	152	155	134	154	140	152	143	149	172	168	171	153	162	3,833	50-59
40-49	112	97	110	87	80	100	86	115	121	105	99	94	98	116	95	109	127	132	122	119	118	92	101	104	2,539	40-49
30-39	78	75	87	72	75	100	89	88	101	88	73	82	76	56	84	61	65	57	79	64	72	56	51	49	1,778	30-39
20-29	84	70	68	73	85	43	53	54	52	52	40	49	41	36	44	41	34	40	43	44	35	41	40	28	1,190	20-29
19 years old or less	5	9	7	3	5	6	9	6	3	7	4	10	7	7	4	8	6	9	7	4	5	6	4	4	145	19 years old or less
total	497	450	509	477	486	501	490	522	532	517	463	486	487	458	499	461	523	529	548	559	574	560	528	538	12,194	total

Transition of workers' number of workplace of fatal and non-fatal accidents in 011703 cleaning 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	91	94	100	93	100	98	109	102	122	109	119	133	132	119	137	112	153	137	165	162	162	149	140	121	2,959	100-299
50-99	128	83	112	106	90	137	106	125	110	112	101	102	112	92	120	111	111	114	119	124	131	121	123	118	2,708	50-99
30-49	89	72	85	83	91	80	89	85	88	88	82	82	75	76	91	80	83	106	90	98	112	97	109	93	2,124	30-49
10-29	93	117	122	103	112	90	96	119	127	117	90	98	100	90	90	86	99	93	79	83	81	98	69	91	2,343	10-29
9 workers or less	71	50	61	68	64	69	52	56	56	61	46	46	49	59	46	41	48	45	60	63	44	59	52	64	1,330	9 workers or less
300 workers or more	25	34	29	24	29	27	38	35	29	30	25	25	19	22	15	31	29	34	35	29	44	36	35	51	730	300 workers or more
total	497	450	509	477	486	501	490	522	532	517	463	486	487	458	499	461	523	529	548	559	574	560	528	538	12,194	total

Transition of occurred months of fatal and non-fatal accidents in 011703 cleaning 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
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Hiroshima	11	11	11		8		22	16	12	14	8	12	13	12	8	21	15	17	19	12	17	10	7	19	295	Hiroshima
Fukuoka	23	17	21		21		26	28	26	27	17	21	19	20	17	15	22	29	22	35	19	23	17	18	483	Fukuoka
Tochigi	7	12	21		11		10	9	9	12	8	19	13	14	9	13	23	13	17	8	23	15	17	18	301	Tochigi
Kyoto	14	3	9		12		9	19	12	19	11	14	12	13	16	6	10	21	17	19	12	16	19	18	301	Kyoto
Hyogo	17	22	13		21		17	12	14	8	20	18	13	13	19	10	14	19	18	11	21	15	17	15	347	Hyogo
Shizuoka	25	15	16		19		20	13	18	11	7	12	5	18	19	12	18	18	15	23	16	28	12	14	354	Shizuoka
Fukushima	13	8	13		8		8	9	7	10	12	7	12	7	5	9	7	9	8	17	11	13	13	13	219	Fukushima
Miyagi	9	15	8		7		13	14	13	12	9	9	18	6	15	12	13	8	18	17	10	24	14	12	276	Miyagi
Saga	8	7	9		9		4	9	10	8	4	4	4	6	6	4	7	14	7	5	5	6	12	12	160	Saga
Gunma	8	5	12		1		6	7	5	12	7	15	7	7	18	9	15	10	8	15	13	18	10	11	219	Gunma
Ibaraki	7	2	6		11		5	13	19	5	8	6	7	12	11	15	10	15	9	7	7	9	4	11	199	Ibaraki
Gifu	13	6	5		6		9	10	9	10	13	11	18	10	9	6	8	8	11	6	13	19	5	10	215	Gifu
Yamagata	5	3	6		4		4	7	6	11	8	5	5	7	6	11	9	8	9	2	10	5	6	9	146	Yamagata
Nara	1	4	9		4		8	2	4	3	9	4	2	6	4	7	5	8	6	10	3	7	11	9	126	Nara
Kagawa	3	7	13		8		5	8	6	6	6	3	4	5	7	3	3	2	6	2	5	6	6	8	122	Kagawa
Niigata	10	17	10		13		12	8	14	12	9	17	9	13	15	14	12	8	22	20	17	14	14	7	287	Niigata
Okinawa	3	4	3		7		7	7	7	8	8	12	8	7	5	9	5	9	8	15	9	11	9	7	168	Okinawa
Kagoshima	5	10	7		6		8	9	4	7	7	5	8	5	9	5	2	8	6	6	10	8	11	7	153	Kagoshima
Akita	7	10	4		5		11	4	5	4	6	5	7	5	4	5	3	4	3	5	5	7	4	7	120	Akita
Oita	3	3	3		3		6	10	1	8	5	1	3	2	2		4	4	3	8	1	4	3	7	84	Oita
Okayama	5	4	7		8			3	7	2		3	1	5	4	1	1	3	2	4	4	6	5	6	81	Okayama
Nagasaki	8	5	6		6		6	5	3	3	7	7	4	8	7	6	7	4	6	5	5	10	5	5	128	Nagasaki
Iwate	4	8	9		7		4	3	3	4	8	4	8	4	7	4	7	7	7	6	3	6	3	5	121	Iwate
Ishikawa	1	3	6		4		4	8	5	6	6	5	10	6	9	6	4	2	6	5	9	6	4	5	120	Ishikawa

Toyama	4	1	2		1		6	4	8	5	3	6	4	6	2	5	6	8	8	3	4	5	8	5	104	Toyama
Yamanashi	3	1	3		1		4	4	5	4	2	5	4	3	1	2	3		4	4	8	2	5	5	73	Yamanashi
Kumamoto	6	7	4		6		7	7	9	13	5	8	9	7	10	7	13	5	11	7	6	5	12	4	168	Kumamoto
Ehime	10	5	8		4		4	4	4	3	9	12	9	4	2	11	1	3	8	7	3	4	5	4	124	Ehime
Wakayama	8	2	1		3		13	3	5	4	5	3	7	4	4	4	7	4	2	4	6	2	6	4	101	Wakayama
Fukui	3	3	3		3		1	2	2	1	2	2	1	4	4	2	3	4		3	1	5	3	4	56	Fukui
Nagano	3	5	3		5		8		9	8	6	5	3	3	10	7	9	9	11	8	9	6	5	3	135	Nagano
Mie	6	5	3		6		4	2	8	5	5	1	4	1	4	9	5	8	11	7	12	4	6	3	119	Mie
Yamaguchi	13	11	6		11		4	6	2	2	3	5	5	3	3	4	5	5	2	3	3	4	4	3	107	Yamaguchi
Shiga	5	2	3		9			5	3	5	4	3	3	2	5	3	8	5	2	7	4	7	7	3	95	Shiga
Kochi	5	5	4		4		1	5	6	4	2	2	5	1	3	5	3		4		3	1	1	3	67	Kochi
Tottori	2	3			2		3	1	2	3	4		1	3	3	2	1	1	3	3	2	2	1	3	45	Tottori
Aomori	3	6	5		5		11	6	9	6	9	7	6	6	6	6	9	7	5	9	5	5	5	1	137	Aomori
Shimane	6	3	5		7		4	8	7	10	4	7	5	2	4	6	4	2	7	4	7	6	3	1	112	Shimane
Miyazaki	6	2	4		3		5	9	3	5	1	3	8	5	3	2	3	4	3	4	5	2	5	1	86	Miyazaki
Tokushima	1		3				1	3	2	2		2					2	1	4	1	1	1	8	1	33	Tokushima
total	497	450	509	477	486	501	490	522	532	517	463	486	487	458	499	461	523	529	548	559	574	560	528	538	12,194	total

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