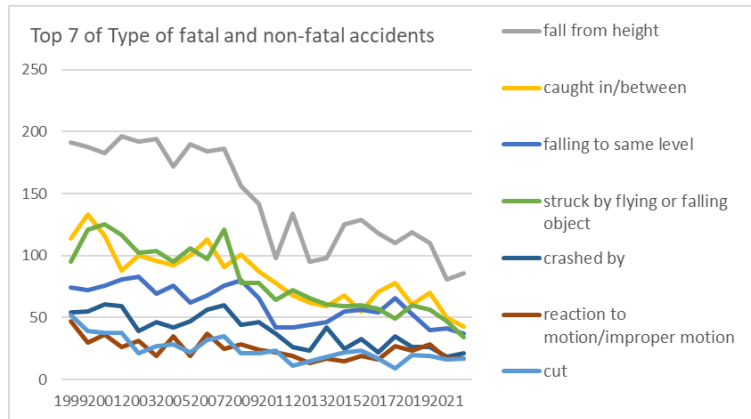
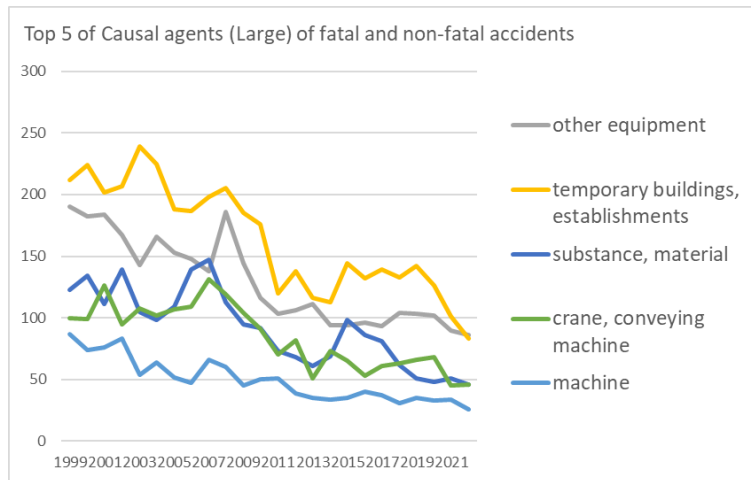


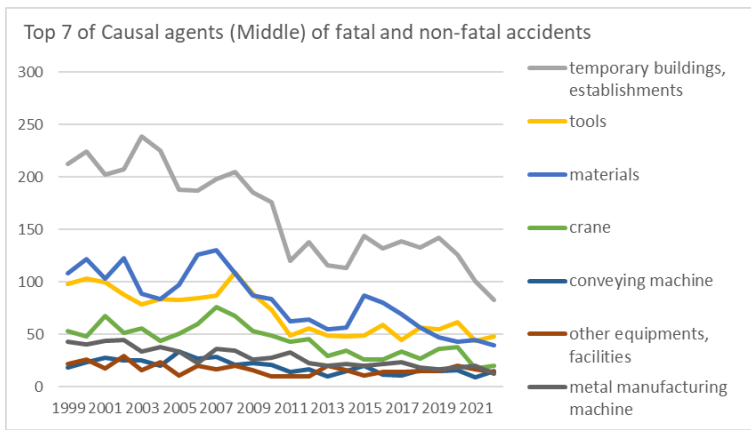
Transition of fatal and non-fatal accidents in 011501 ship building in Japan (1999-2022)



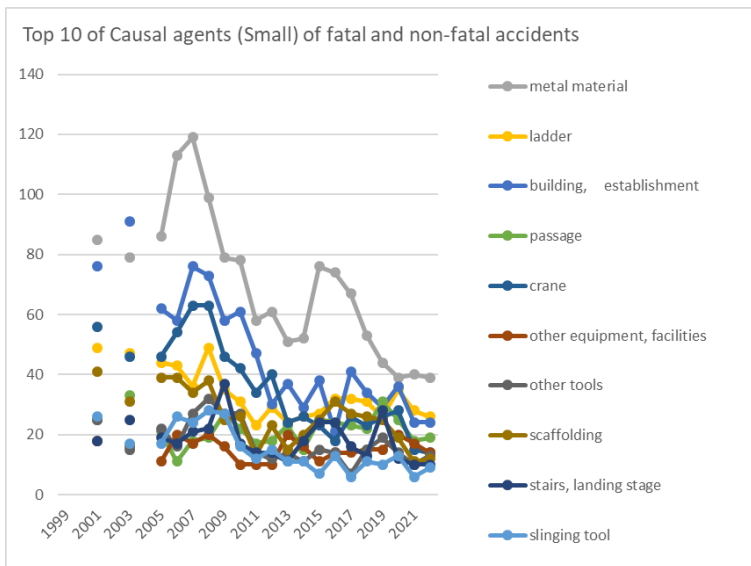
Transition of Top 7 of Type of fatal and non-fatal accidents in 011501 ship building in Japan (1999-2022)



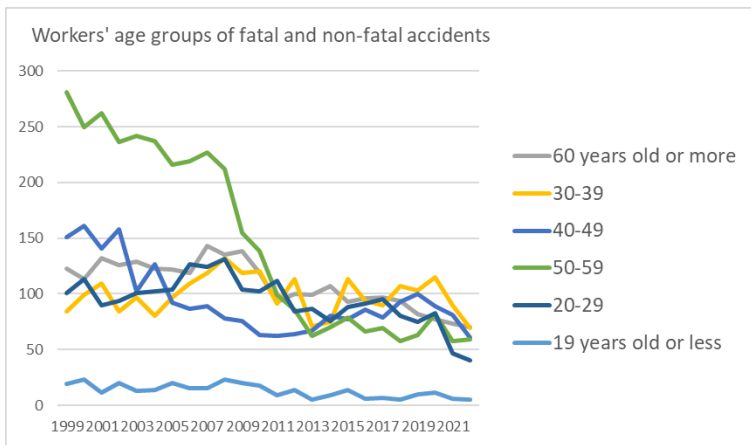
Transition of Top 5 of Causal agents (Large) of fatal and non-fatal accidents in 011501 ship building in Japan (1999-2022)



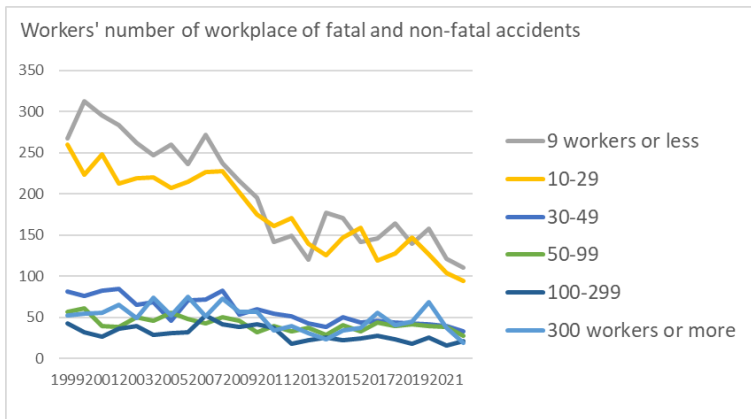
Transition of Top 7 of Causal agents (Middle) of fatal and non-fatal accidents in 011501 ship building in Japan (1999-2022)



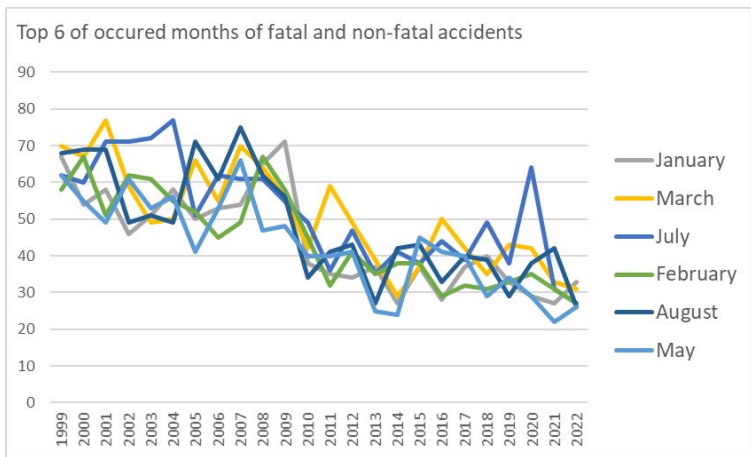
Transition of Top 10 of Causal agents (Small) of fatal and non-fatal accidents in 011501 ship building in Japan (1999-2022)



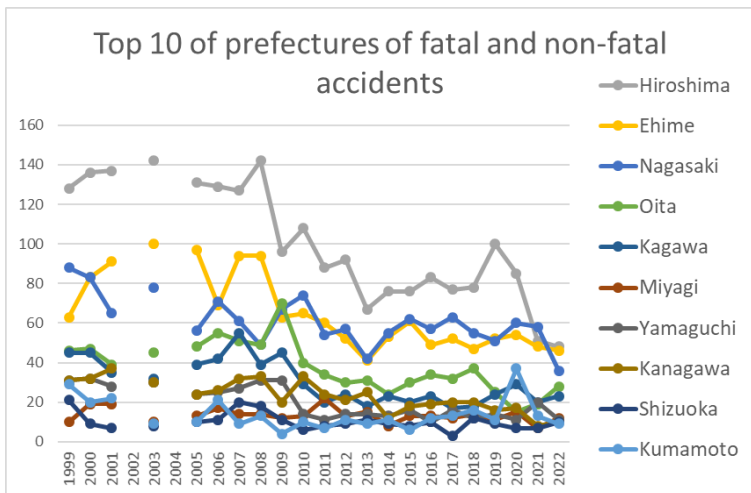
Transition of workers' age groups of fatal and non-fatal accidents in 011501 ship building in Japan (1999-2022)



Transition of workers' number of workplace of fatal and non-fatal accidents in 011501 ship building in Japan (1999-2022)



Transition of Top 6 of occurred months of fatal and non-fatal accidents in 011501 ship building in Japan (1999-2022)



Transition of Top 10 of prefectures of fatal and non-fatal accidents in 011501 ship building in Japan (1999-2022)

Transition of Type of fatal and non-fatal accidents in 011501 ship building 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
fall from height	191	188	183	196	192	194	172	190	184	186	156	142	98	134	95	98	125	129	118	110	119	110	81	86	3,477	fall from height
caught in/between	114	133	116	88	100	96	92	100	113	91	101	87	78	68	62	59	68	55	71	78	61	70	50	43	1,994	caught in/between

falling to same level	74	72	76	81	83	69	76	62	68	76	80	66	42	42	44	46	55	56	54	66	53	40	41	37	1,459	falling to same level
struck by flying or falling object	95	121	125	117	102	104	95	106	97	121	78	78	64	72	66	61	59	60	57	49	60	56	47	34	1,924	struck by flying or falling object
crashed by	54	55	61	59	39	46	42	47	56	60	44	46	37	26	23	42	25	33	22	35	26	26	18	21	943	crashed by
reaction to motion/improper motion	47	30	36	26	31	19	35	19	37	25	28	24	22	19	13	17	15	19	16	27	23	28	17	17	590	reaction to motion/improper motion
cut	52	39	38	38	21	27	28	22	32	35	21	21	23	11	15	18	22	23	17	9	20	19	16	17	584	cut
crash	45	34	39	33	43	46	33	40	37	31	36	33	28	27	20	18	28	13	17	15	25	22	25	15	703	crash
contact to high/low-temperature	20	17	21	23	20	17	29	28	15	25	25	20	21	15	24	16	22	22	25	20	16	21	19	12	493	contact to high/low-temperature
collapse	31	33	30	27	29	24	24	26	41	31	26	26	17	22	16	18	15	20	23	14	15	16	11	11	546	collapse
fire	5	4	1	2	1	4	5	7	4	6	10	1	5	7	5	6	3	2	1	3	1	4	3	3	93	fire
explosion	8	3	3	3	5	7	3	1	9	2		1	4	6		8	2		3	1	2		2	3	76	explosion
traffic accident (public road)	3	11	4	1	3	17	2	8	3	5	2	8	1	3	3	2	6		2	2	4	3	3	2	98	traffic accident (public road)
others	5	2	5	3	3	6	3	5	4	2	1	2	4	3		2	4	1		1	2	31	13	1	103	others
contact to harmful substance	8	7	3	9	6	3	6	5	5	4	2	4	3		3	4	7	2	8	3		6	2	1	101	contact to harmful substance
electric shock	5	4	2	2		2	2	4	7	7	1		4	2	1		5	1		1	1	4		1	56	electric shock
injury to the sole of the foot	1	4	2	6			1	3	2	1	1	1				1	1	3	1	1	2	1	3		35	injury to the sole of the foot

drown		1			2	1	2		2				12	1		1									22	drown
burst	1			3	2	1	1	2	1	1			2				1		1	1	3		2		22	burst
unclassifiable					1									2					1	1			2		9	unclassifiable
traffic accident (others)		1		1	1				1				1	1	1		1								8	traffic accident (others)
total	759	759	745	718	684	683	651	676	717	711	612	560	466	461	391	417	464	439	437	437	433	457	355	304	13,336	total

Transition of Causal agents (Large) of fatal and non-fatal accidents in 011501 ship building 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	190	182	184	167	143	166	153	148	138	186	144	116	103	106	111	94	94	96	93	104	103	102	90	86	3,099	other equipment
temporary buildings, establishments	212	224	202	207	239	225	188	187	198	205	185	176	120	138	116	113	144	132	139	133	142	126	101	83	3,935	temporary buildings, establishments
substance, material	123	134	111	139	105	98	109	139	147	113	95	92	73	68	61	69	98	86	81	62	51	48	51	46	2,199	substance, material
crane, conveying machine	100	99	126	95	108	102	107	109	131	119	104	91	70	82	51	73	65	53	61	63	66	68	45	46	2,034	crane, conveying machine
machine	87	74	76	83	54	64	52	47	66	60	45	50	51	39	35	34	35	40	37	31	35	33	34	26	1,188	machine
load	21	24	23	14	14	16	23	28	19	10	18	18	16	13	4	18	14	10	14	19	17	18	7	9	387	load
others	20	15	18	9	13	10	14	9	15	12	15	11	14	11	4	12	10	13	5	18	10	43	22	4	327	others
environment	6	7	5	4	8	2	5	9	3	6	6	6	19	4	9	4	4	9	7	7	9	19	5	4	167	environment
total	759	759	745	718	684	683	651	676	717	711	612	560	466	461	391	417	464	439	437	437	433	457	355	304	13,336	total

other vehicles			23		21		19	14	18	24	27	13	11	12	7	19	13	13	13	18	10	10	13	7	305	other vehicles
forklift			13		9		10	13	13	11	7	8	8	10	1	9	7	4	6	4	7	7	6	7	160	forklift
opening			10		13		9	9	4	10	8	9	7	11	6	5	6	3	5	7	3	10	7	6	148	opening
truck			10		8		14	8	14	5	12	10	4	6	6	4	9	5	2	5	4	2	3	5	136	truck
other temporary buildings, establishments			17		15		20	27	26	22	13	18	13	20	15	7	13	18	12	12	11	10	17	4	310	other temporary buildings, establishments
arc welding equipment			12		5		10	9	11	11	10	7	7	9	11	11	6	9	6	8	5	3	7	4	161	arc welding equipment
other metal manufacturing machines			15		11		10	9	6	9	4	9	11	11	6	6	3	5	9	4	3	6	3	4	144	other metal manufacturing machines
other general power machines			9		6		6	7	11	8	10	8	9	7	7	4	4	5	2	4	3	1	4	4	119	other general power machines
cars, bus, motorcycle			7		6		3	8	8	6	1	8	2	7	4	3	6	2	3	2	5	4	5	4	94	cars, bus, motorcycle
human power cranes			9		10		8	2		6	2	2	1	4	2	2	2	2	3	2	9	4	1	4	75	human power cranes
inflammable gas			3		1			2	7	1		1	4	3		1		1	1	2	2	1	2	4	36	inflammable gas
no causal agent			12		10		9	7	14	8	12	10	9	5	3	4	9	9	3	12	7	12	9	3	167	no causal agent
gas welding equipment			4		8		14	11	6	10	10	4	11	11	8	7	11	2	12	8	3	5	3	3	151	gas welding equipment
high/cold temperature environment			2		3		3	6	1	4	4	4	3	3	3	1	3	5	5	3	5	11	3	3	75	high/cold temperature environment

mobile crane			4		4		1	2	6	1	3	5	4	2	2	3	1	3	1	1	3	4		3	53	mobile crane
other powered conveying machines			2		5		7	2	2	4	2	2	1		1		4	1	2	3	2	6		2	48	other powered conveying machines
power transmission mechanism					1		3	2	4	2	3	3	4	2		1		3	3		2	3		2	38	power transmission mechanism
wood planer machine			4		1		3	2	1	2		1			1	1	2	1	1	1			2	2	25	wood planer machine
other welding equipment			1		1		1	1	2	2				1		2	1			1	1	1	2	2	19	other welding equipment
lumber, bamboo			14		7		9	8	7	5	6	5	3	2	3	4	8	4	1	4	2	3	3	1	99	lumber, bamboo
other causal agent			6		3		5	2	1	2	3	1	4	3	1	7	1	3	1	4	2	29	12	1	91	other causal agent
machine/equipment as load			5		6		5	14	9	4	7	7	6	4	2	1	4	2	3	4		5	1	1	90	machine/equipment as load
other powered crane			6		5		1	4	6	4	4	1	5	4	4	5	2	4	7	3	6	6	3	1	81	other powered crane
vehicle for high lift work			8		3		1	6	5	6	1	6	2	4	2	1	2	2	4	1	7	5	3	1	70	vehicle for high lift work
inflammable substance			2		10		5	2	4	1	4	3	4		3	10	4	3	3	1	1	1	2	1	64	inflammable substance
circular sawing machine			7		5		3	4	2	5	3	1			1	2	5	3	2	3	5	2	3	1	57	circular sawing machine
harmful substance			2		3		6	4	4	3	1	2	1	1	1		5	2	3	1			1	1	41	harmful substance
other environments			2		3		2	1	1	1	1	2	3		4	1	1	3		3	3	5	2	1	39	other environments
drill press, milling machine			5		4		1	1	3	2	1	1	1	1	2	1	2	1	3	1		3	1	1	35	drill press, milling machine

January	67	54	58	46	51	58	50	53	54	65	71	38	35	34	37	27	37	28	37	40	33	29	27	33	1,062	January
March	70	67	77	59	49	50	66	55	70	64	56	42	59	49	39	29	37	50	42	35	43	42	33	31	1,214	March
July	62	60	71	71	72	77	51	62	61	61	55	49	36	47	35	41	38	44	39	49	38	64	31	27	1,241	July
February	58	67	51	62	61	55	52	45	49	67	58	45	32	41	35	38	38	29	32	31	33	35	31	27	1,072	February
August	68	69	69	49	51	49	71	61	75	62	56	34	41	43	27	42	43	33	40	39	29	38	42	26	1,157	August
May	62	55	49	61	53	56	41	53	66	47	48	40	40	41	25	24	45	41	40	29	34	29	22	26	1,027	May
June	60	57	61	54	59	57	57	66	52	66	47	59	42	34	25	27	41	24	38	47	43	44	34	25	1,119	June
April	67	72	71	72	58	64	57	64	48	48	49	42	37	37	36	27	35	39	29	36	38	38	30	24	1,118	April
October	62	56	67	61	61	56	49	52	67	58	30	35	40	47	37	30	42	39	40	40	43	26	28	24	1,090	October
November	57	68	46	71	61	53	51	53	57	63	50	58	28	32	35	44	33	45	28	34	25	41	25	24	1,082	November
December	49	64	53	59	52	51	46	44	57	47	46	41	34	26	26	38	42	25	29	29	35	25	16	19	953	December
September	77	70	72	53	56	57	60	68	61	63	46	77	42	30	34	50	33	42	43	28	39	46	36	18	1,201	September
total	759	759	745	718	684	683	651	676	717	711	612	560	466	461	391	417	464	439	437	437	433	457	355	304	13,336	total

Transition of prefectures of fatal and non-fatal accidents in 011501 ship building 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
Hiroshima	128	136	137		142		131	129	127	142	96	108	88	92	67	76	76	83	77	78	100	85	51	48	2,197	Hiroshima
Ehime	63	83	91		100		97	69	94	94	63	65	60	52	41	53	61	49	52	47	52	54	48	46	1,434	Ehime
Nagasaki	88	83	65		78		56	71	61	49	67	74	54	57	42	55	62	57	63	55	51	60	58	36	1,342	Nagasaki
Oita	46	47	39		45		48	55	51	49	70	40	34	30	31	24	30	34	32	37	25	15	19	28	829	Oita
Kagawa	45	45	35		32		39	42	55	39	45	29	20	24	18	23	20	23	17	18	24	29	20	23	665	Kagawa
Miyagi	10	19	19		10		13	17	14	14	12	13	22	13	15	8	13	13	12	14	11	15	7	12	296	Miyagi
Yamaguchi	31	32	28		30		24	25	27	31	31	14	11	14	14	13	16	10	16	12	14	11	20	11	435	Yamaguchi
Kanagawa	31	32	37		30		24	26	32	33	20	33	24	21	25	12	18	19	20	20	16	17	8	10	508	Kanagawa

Shizuoka	21	9	7		8		10	11	20	18	11	6	8	9	11	9	8	10	3	12	9	7	7	10	224	Shizuoka
Kumamoto	29	20	22		9		10	21	9	13	4	10	7	11	9	11	6	12	13	16	11	37	13	9	302	Kumamoto
Saga	5	4	7		4		7	11	9	14	8	7	10	10	9	13	13	13	11	21	16	9	14	9	224	Saga
Hyogo	41	47	41		32		32	30	38	32	19	25	14	25	13	15	18	19	12	14	11	17	16	7	518	Hyogo
Hokkaido	26	36	31		21		20	27	24	19	23	12	19	10	23	18	16	23	14	14	12	12	8	7	415	Hokkaido
Kochi	20	24	20		22		15	22	19	23	19	23	13	11	7	17	13	10	11	14	14	15	8	7	347	Kochi
Mie	27	16	20		18		16	19	15	20	13	9	7	8	10	4	12	5	9	7	9	4	9	7	264	Mie
Tokushima	22	13	10		9		11	19	16	15	19	11	8	7	7	3	8	9	6	8	5	4	5	4	219	Tokushima
Kagoshima	10	11	12		9		8	11	9	9	13	6	8	6	4	4	4	7	8	4	5	11	3	4	166	Kagoshima
Wakayama	6	10	8		5		7	4	6	6	5	2	3	3	4	3	5	4	4	2	3	5	4	4	103	Wakayama
Fukuoka	11	17	15		7		17	8	16	15	12	12	10	4	11	10	8	8	10	11	8	8	5	3	226	Fukuoka
Aichi	10	9	10		7		7	15	21	22	10	7	10	6	6	3	11	6	5	2	9	8	6	3	193	Aichi
Aomori	12	3	7		8		11	4	12	8	5	10	8	3	5	7	6	8	6	2	6	6	4	3	144	Aomori
Ishikawa	6	2	7		2			1		1	2	1			2	1	1	2	3	1	1	1	2	2	38	Ishikawa
Okinawa		2	2				5	2	2	1	1	2	1	3		3	1			1			3	2	31	Okinawa
Chiba	14	15	13		13		13	10	9	12	11	7	4	12	4	3	5	3	6	2	5	3	2	1	167	Chiba
Okayama	11	6	19		8		7	5	8	9	12	10	5	8	5	10	8	1	14	4	5	4	3	1	163	Okayama
Osaka	8	7	5		13		8	7	7	2	3	4	5	4		4	5	3	4	4	1	6	1	1	102	Osaka
Iwate	4	8	6		7		1	2	1	3	3	4	3	9	3	6	1	3	1	3	3	1	2	1	75	Iwate
Niigata	4	2	4		4		6	4	5	6	4	5		1	2	2	1	1		1	2	2	3	1	60	Niigata
Tokyo	9	4	6		1		1	2	1		2		2	1		2	1	1	1	2	1	3	2	1	43	Tokyo
Shimane	8	3	5					2		1				1		1	4	1		2				1	29	Shimane
Miyazaki	3	1	2						1		1	2	2	3			1	1	1	1	1	1		1	22	Miyazaki
Fukui	1								1		1			1			3				1			1	9	Fukui

Kyoto	2	4	6		3			1	3	5	5	2	4				5		3	5	2	3	1		54	Kyoto	
Fukushima	2	6	1		4		4		1	1	1	2	1	1	1	2	2					1	1		31	Fukushima	
Tottori	1		3		1			1	1	3		1							2	1		2	1		17	Tottori	
Yamagata	1		1				2	1		1		1					1					1	1		10	Yamagata	
Ibaraki	1	1	1		1			1				1		1	1	1	1								10	Ibaraki	
Toyama	1	1	2				1				1	1							1	1					9	Toyama	
Saitama					1												1								3	Saitama	
Nagano									1	1			1												3	Nagano	
Shiga	1	1																					1		3	Shiga	
Gunma			1						1																2	Gunma	
Nara												1					1								2	Nara	
Akita								1																	1	Akita	
Tochigi																											Tochigi
Yamanashi																											Yamanashi
Gifu																											Gifu
total	759	759	745	718	684	683	651	676	717	711	612	560	466	461	391	417	464	439	437	437	433	457	355	304	13,336	total	

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