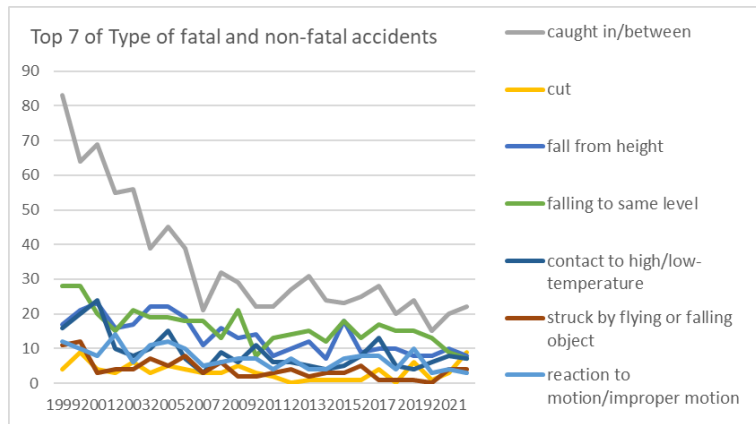
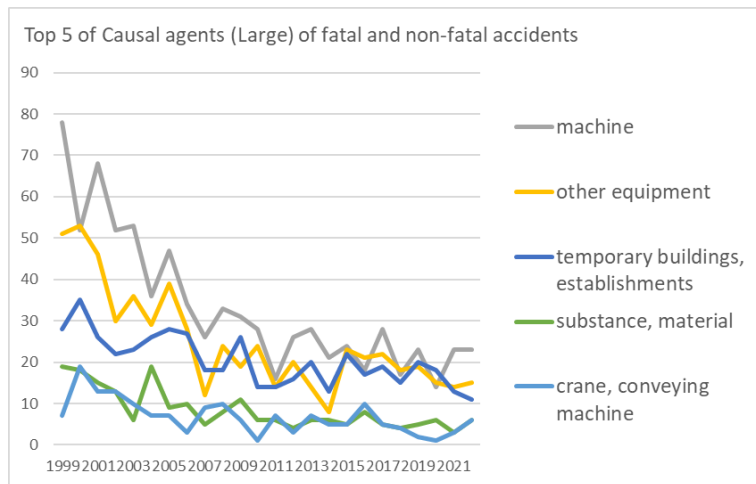


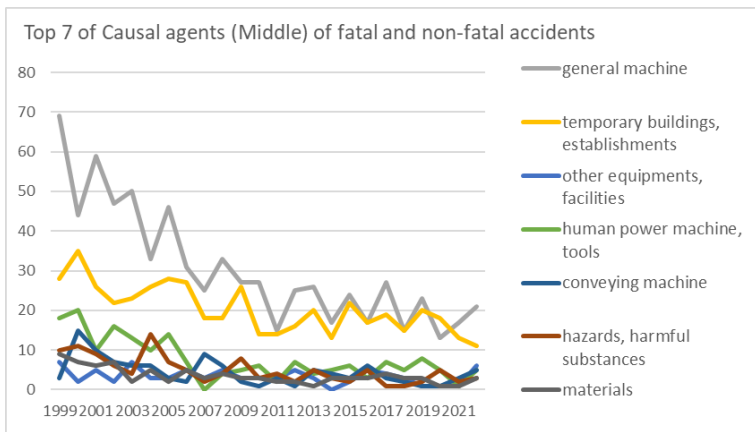
Transition of fatal and non-fatal accidents in 010204 dyeing in Japan (1999-2022)



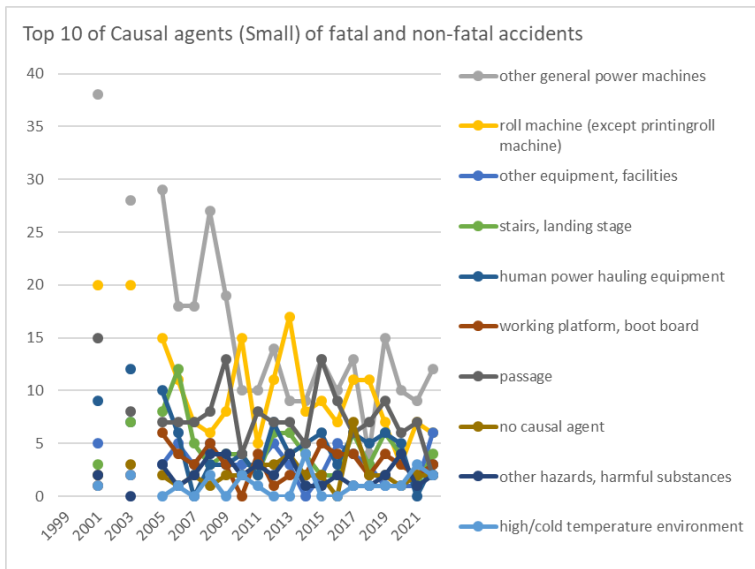
Transition of Top 7 of Type of fatal and non-fatal accidents in 010204 dyeing in Japan (1999-2022)



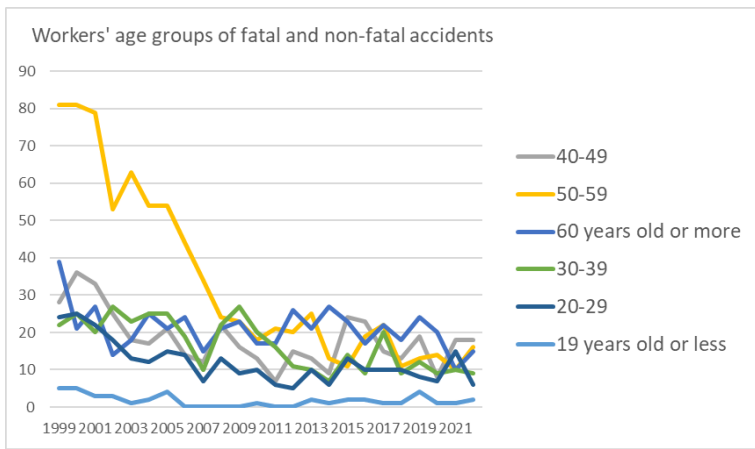
Transition of Top 5 of Causal agents (Large) of fatal and non-fatal accidents in 010204 dyeing in Japan (1999-2022)



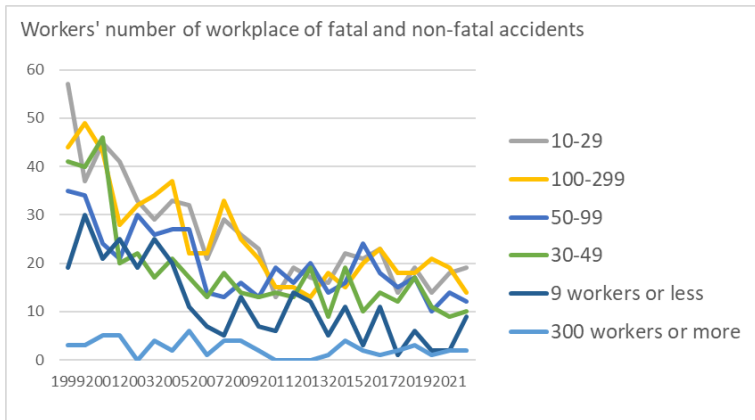
Transition of Top 7 of Causal agents (Middle) of fatal and non-fatal accidents in 010204 dyeing in Japan (1999-2022)



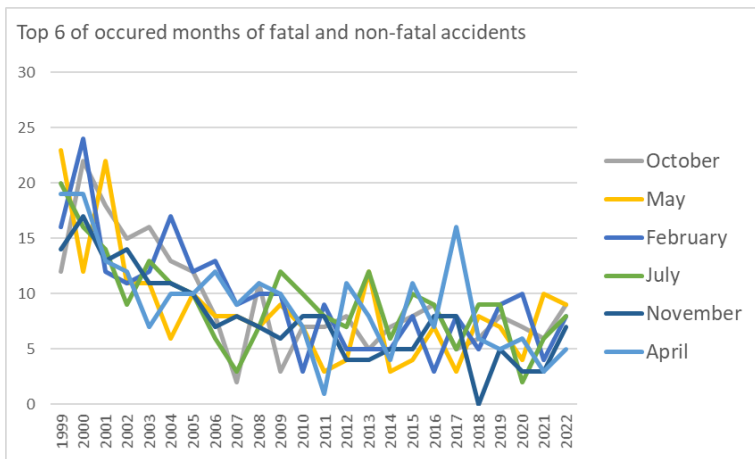
Transition of Top 10 of Causal agents (Small) of fatal and non-fatal accidents in 010204 dyeing in Japan (1999-2022)



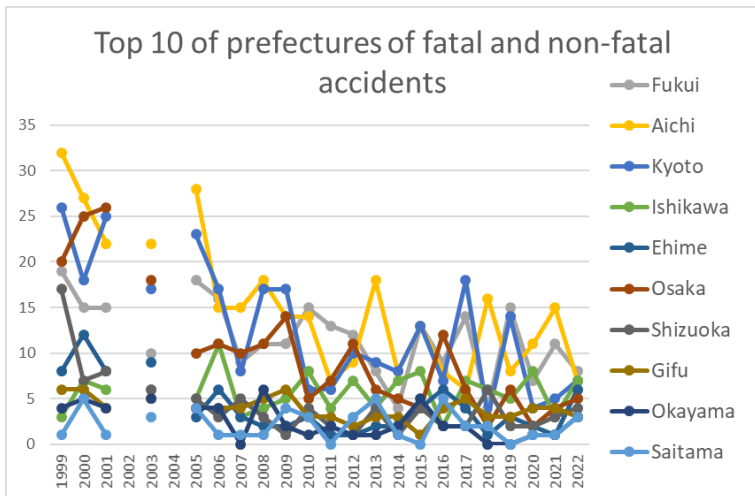
Transition of workers' age groups of fatal and non-fatal accidents in 010204 dyeing in Japan (1999-2022)



Transition of workers' number of workplace of fatal and non-fatal accidents in 010204 dyeing in Japan (1999-2022)



Transition of Top 6 of occurred months of fatal and non-fatal accidents in 010204 dyeing in Japan (1999-2022)



Transition of Top 10 of prefectures of fatal and non-fatal accidents in 010204 dyeing in Japan (1999-2022)

Transition of Type of fatal and non-fatal accidents in 010204 dyeing 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	83	64	69	55	56	39	45	39	21	32	29	22	22	27	31	24	23	25	28	20	24	15	20	22	835	caught in/between
cut	4	9	4	3	6	3	5	4	3	3	5	3	2		1	1	1	1	4		6	1	3	9	81	cut

unclassifiable			1			1																												2	unclassifiable
drown		1																																1	drown
burst	1																																	1	burst
traffic accident (others)																																			traffic accident (others)
total	199	193	184	140	136	135	140	115	78	102	98	79	67	77	81	63	87	80	90	62	80	59	64	66								2,475	total		

Transition of Causal agents (Large) of fatal and non-fatal accidents in 010204 dyeing 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	78	52	68	52	53	36	47	34	26	33	31	28	16	26	28	21	24	18	28	17	23	14	23	23	799	machine
other equipment	51	53	46	30	36	29	39	28	12	24	19	24	14	20	14	8	23	21	22	18	19	15	14	15	594	other equipment
temporary buildings, establishments	28	35	26	22	23	26	28	27	18	18	26	14	14	16	20	13	22	17	19	15	20	18	13	11	489	temporary buildings, establishments
substance, material	19	18	15	13	6	19	9	10	5	8	11	6	6	4	6	6	5	8	5	4	5	6	3	6	203	substance, material
crane, conveying machine	7	19	13	13	10	7	7	3	9	10	6	1	7	3	7	5	5	10	5	4	2	1	3	6	163	crane, conveying machine
environment	2	3	2		3	3		2		3		2	3	1		4	1	1	2	2	1	2	3	3	43	environment
others	5	6	7	2	3	11	2	1	3	2	2	2	3	3	5	2	3	1	7	2	2	2	3	2	81	others
load	9	7	7	8	2	4	8	10	5	4	3	2	4	4	1	4	4	4	2		8	1	2		103	load
total	199	193	184	140	136	135	140	115	78	102	98	79	67	77	81	63	87	80	90	62	80	59	64	66	2,475	total

Transition of Causal agents (Middle) of fatal and non-fatal accidents in 010204 dyeing 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
general machine	69	44	59	47	50	33	46	31	25	33	27	27	15	25	26	17	24	17	27	15	23	13	17	21	731	general machine
temporary buildings, establishments	28	35	26	22	23	26	28	27	18	18	26	14	14	16	20	13	22	17	19	15	20	18	13	11	489	temporary buildings, establishments
other equipments, facilities	7	2	5	2	7	3	3	5	3	5	3	3	3	5	3		2	5	4	3	1	1	1	6	82	other equipments, facilities
human power machine, tools	18	20	10	16	13	10	14	7		4	5	6	2	7	4	5	6	3	7	5	8	5	1	5	181	human power machine, tools
conveying machine	3	15	10	7	6	6	3	2	9	6	2	1	3	1	5	4	3	6	3	2	1	1	3	5	107	conveying machine
hazards, harmful substances	10	11	9	6	4	14	7	5	2	4	8	3	4	2	5	3	2	5	1	1	2	5	2	3	118	hazards, harmful substances
materials	9	7	6	7	2	5	2	5	3	4	3	3	2	2	1	3	3	3	4	3	3	1	1	3	85	materials
natural environment	2	3	2		3	3		2		3		2	3	1		4	1	1	2	2	1	2	3	3	43	natural environment
tools	9	16	16	7	8	10	14	12	6	10	5	9	9	5	4	2	13	10	5	9	8	5	6	2	200	tools
no causal agent	2	3	2	1	3	7	2	1	2	1	2	2	3	3	4	2	2		7	2	2	1	2	2	58	no causal agent

lumber, bamboo					1		1										1		1					1	5	lumber, bamboo
mixer, grinder			1													2								1	4	mixer, grinder
load			5		2		8	10	4	4	3	2	3	4	1	4	4	3	1		8	1	2		69	load
power transmission mechanism			5		2		1	1	1		3	1	1		2	2		1		2			5		27	power transmission mechanism
crane			1		1		2			1			1		1	1		3	1	1	1				14	crane
other powered conveying machines			1		2		1			2					1	1	1	2					2		13	other powered conveying machines
elevator, lift			1		2		2	1			3			1	1		1								12	elevator, lift
printing machine					2		1	2				1						3					1		10	printing machine
kiln, caldron			2				1	2						1			2	1				1			10	kiln, caldron
other causal agent			4						1	1						1	1					1	1		10	other causal agent
roof, beam, haze, crossbeam, principal rafter			1				2					1	1			1						1			9	roof, beam, haze, crossbeam, principal rafter
machine/equipment as load			2						1				1				1	1							6	machine/equipment as load
other powered crane			1										1				1	1							4	other powered crane
slinging tool								1		1		1									1				4	slinging tool
opening												2			1					1					4	opening
water								1								1	1	1							4	water
shearing machine			1											1								1			3	shearing machine
flammable substance											1	1					1								3	flammable substance

grinding machine, buffing machine			1		1																		2	grinding machine, buffing machine
power press			1					1															2	power press
boiler											1											1	2	boiler
chemical facilities												2											2	chemical facilities
transmission			1																				2	transmission
electric power facilities																							2	electric power facilities
human power machine			1																				2	human power machine
scaffolding																						1	2	scaffolding
unclassifiable			1																				2	unclassifiable
engine																							1	engine
circular sawing machine																							1	circular sawing machine
other woodworking machines																							1	other woodworking machines
lathe																							1	lathe
loader																							1	loader
arc welding equipment																							1	arc welding equipment
other kiln, caldron																							1	other kiln, caldron
other electrical equipment																							1	other electrical equipment

Transition of workers' age groups of fatal and non-fatal accidents in 010204 dyeing 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	28	36	33	25	18	17	21	14	12	22	16	13	7	15	13	9	24	23	15	13	19	8	18	18	437	40-49
50-59	81	81	79	53	63	54	54	44	34	24	23	18	21	20	25	13	11	19	22	11	13	14	10	16	803	50-59
60 years old or more	39	21	27	14	18	25	21	24	15	21	23	17	17	26	21	27	23	17	22	18	24	20	10	15	505	60 years old or more
30-39	22	25	20	27	23	25	25	19	10	22	27	20	16	11	10	7	14	9	20	9	12	9	10	9	401	30-39
20-29	24	25	22	18	13	12	15	14	7	13	9	10	6	5	10	6	13	10	10	10	8	7	15	6	288	20-29
19 years old or less	5	5	3	3	1	2	4					1			2	1	2	2	1	1	4	1	1	2	41	19 years old or less
total	199	193	184	140	136	135	140	115	78	102	98	79	67	77	81	63	87	80	90	62	80	59	64	66	2,475	total

Transition of workers' number of workplace of fatal and non-fatal accidents in 010204 dyeing 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	57	37	45	41	33	29	33	32	21	29	26	23	13	19	17	16	22	21	23	14	19	14	18	19	621	10-29
100-299	44	49	43	28	32	34	37	22	22	33	25	21	15	15	13	18	15	20	23	18	18	21	19	14	599	100-299
50-99	35	34	24	21	30	26	27	27	14	13	16	13	19	16	20	14	16	24	18	15	17	10	14	12	475	50-99
30-49	41	40	46	20	22	17	21	17	13	18	14	13	14	13	19	9	19	10	14	12	17	11	9	10	439	30-49
9 workers or less	19	30	21	25	19	25	20	11	7	5	13	7	6	14	12	5	11	3	11	1	6	2	2	9	284	9 workers or less
300 workers or more	3	3	5	5		4	2	6	1	4	4	2				1	4	2	1	2	3	1	2	2	57	300 workers or more
total	199	193	184	140	136	135	140	115	78	102	98	79	67	77	81	63	87	80	90	62	80	59	64	66	2,475	total

Transition of occurred months of fatal and non-fatal accidents in 010204 dyeing 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
October	12	22	18	15	16	13	12	8	2	11	3	7	7	8	5	7	8	9	5	6	8	7	6	9	224	October
May	23	12	22	11	11	6	10	8	8	7	9	7	3	4	12	3	4	7	3	8	7	4	10	9	208	May
February	16	24	12	11	12	17	12	13	9	10	10	3	9	5	5	5	8	3	8	5	9	10	4	8	228	February
July	20	16	14	9	13	11	10	6	3	7	12	10	8	7	12	6	10	9	5	9	9	2	6	8	222	July
November	14	17	13	14	11	11	10	7	8	7	6	8	8	4	4	5	5	8	8		5	3	3	7	186	November
April	19	19	13	12	7	10	10	12	9	11	10	7	1	11	8	4	11	7	16	6	5	6	3	5	222	April
March	14	18	15	11	5	14	12	11	5	13	2	6	6	7	3	4	8	10	12	6	7	5	6	5	205	March
December	14	19	14	14	10	6	16	3	6	8	7	6	5	9	4	4	7	2	3	6	7	5	4	5	184	December
June	23	15	12	12	13	9	16	11	9	9	12	6	8	4	10	6	6	11	6	2	3	3	6	4	216	June
August	16	13	17	6	12	18	13	12	6	5	9	6	5	7	6	5	7	7	6	7	6	2	7	3	201	August
January	11	5	19	11	15	10	11	14	7	10	10	10	7	9	6	8	5	2	11	2	12	3	6	2	206	January
September	17	13	15	14	11	10	8	10	6	4	8	3		2	6	6	8	5	7	5	2	9	3	1	173	September
total	199	193	184	140	136	135	140	115	78	102	98	79	67	77	81	63	87	80	90	62	80	59	64	66	2,475	total

Transition of prefectures of fatal and non-fatal accidents in 010204 dyeing 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
Fukui	19	15	15		10		18	16	9	11	11	15	13	12	8	4	13	9	14	4	15	7	11	8	257	Fukui
Aichi	32	27	22		22		28	15	15	18	14	14	7	9	18	8	13	8	6	16	8	11	15	7	333	Aichi
Kyoto	26	18	25		17		23	17	8	17	17	6	6	10	9	8	13	7	18	3	14	4	5	7	278	Kyoto
Ishikawa	3	7	6		6		5	11	3	4	5	8	4	7	4	7	8	2	7	6	5	8	3	7	126	Ishikawa
Ehime	8	12	8		9		3	6	3	2	2	3	1	1	2	2	4	6	4	1	3	2	1	6	89	Ehime
Osaka	20	25	26		18		10	11	10	11	14	5	7	11	6	5	4	12	6	2	6	2	4	5	220	Osaka
Shizuoka	17	7	8		6		5	3	5	3	1	4	2	1	4	1	4	2	2	6	2	2	3	4	92	Shizuoka

Gifu	6	6	4		5		4	4	4	5	6	3	3	2	3	3	1	4	5	3	3	4	4	3	85	Gifu
Okayama	4	5	4		5		4	4		6	2	1	2	1	1	2	5	2	2			1	1	3	55	Okayama
Saitama	1	5	1		3		4	1	1	1	4	3		3	5	1		5	2	2		1	1	3	47	Saitama
Wakayama	11	11	10		6		6	2	2	4	5	4	5	1	4	4	5	5	6	1	3		1	2	98	Wakayama
Hyogo	10	9	6		2		3	2	1		3	1	4	2	1	1	1		4	3		1	2	2	58	Hyogo
Tokyo		2	4		2		3	3	1		1	1			1	3				1	2			2	26	Tokyo
Toyama	1	2	3		1		3	1			2		1			2		1	1		3	1	1	2	25	Toyama
Niigata	4	9	7		5		6	2	6	3	4	5	2	3	2	5	5	7	2	5	2	6	3	1	94	Niigata
Tochigi	5	6	4		2		2			3	1	1	2		1		1	3		1	2	2	2	1	39	Tochigi
Fukushima	1		1				2		1	2				1			1							1	10	Fukushima
Yamanashi		2	2					2	2		1													1	10	Yamanashi
Kagawa	1							1		1				1										1	6	Kagawa
Nara	5	4	6		3		1	1	1	1	1		1	4	6			1	3	2	4	2	3		49	Nara
Hiroshima	7	3	4		1		2	3	4	4			3	1		2	1	1	4		2	1	2		45	Hiroshima
Gunma	2	7	6		5		1	1		1	1	2	1	4	1	2	6	1	1	1	1				44	Gunma
Shiga	6	3	5		3		1	4	1	1		2	1	1	2			1	2	3	3	1			40	Shiga
Yamagata	2	3	2				1	2		1			1		1			1			1		1		16	Yamagata
Kanagawa	2	1	1		1		1		1	1	2							1							11	Kanagawa
Fukuoka	3	1	2											2			1				1				10	Fukuoka
Mie	1	1	1		1			1			1										1				7	Mie
Tokushima	1		1				1			1		1													5	Tokushima
Oita					2										2							1			5	Oita
Iwate	1																1	1		1					4	Iwate

Ibaraki		1					1	1												1						4	Ibaraki
Tottori							1		1				2													4	Tottori
Akita		1					1														1					3	Akita
Kumamoto								1								1										2	Kumamoto
Hokkaido																						1				1	Hokkaido
Miyagi					1																					1	Miyagi
Nagasaki													1													1	Nagasaki
Aomori																											Aomori
Chiba																											Chiba
Nagano																											Nagano
Shimane																											Shimane
Yamaguchi																											Yamaguchi
Kochi																											Kochi
Saga																											Saga
Miyazaki																											Miyazaki
Kagoshima																											Kagoshima
Okinawa																											Okinawa
total	199	193	184	140	136	135	140	115	78	102	98	79	67	77	81	63	87	80	90	62	80	59	64	66	2,475	total	

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