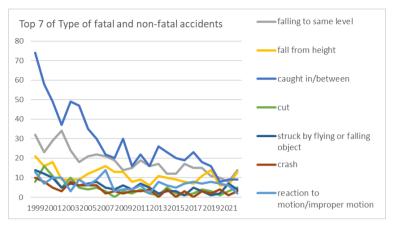
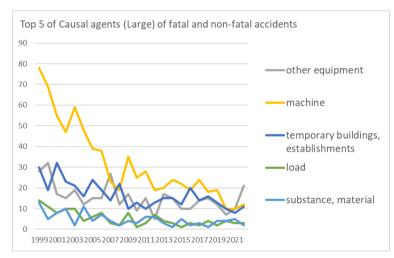
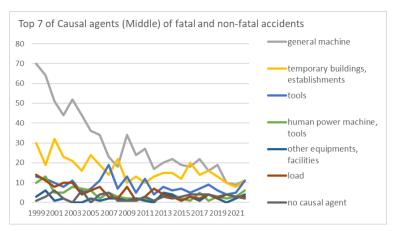
Transition of fatal and non-fatal accidents in 010203 weaving in Japan (1999-2022)



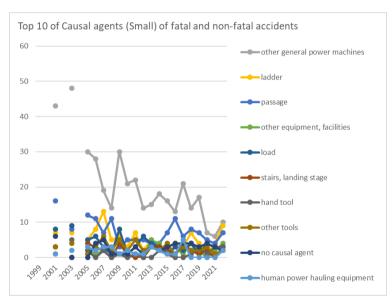
Transition of Top 7 of Type of fatal and non-fatal accidents in 010203 weaving in Japan (1999-2022)



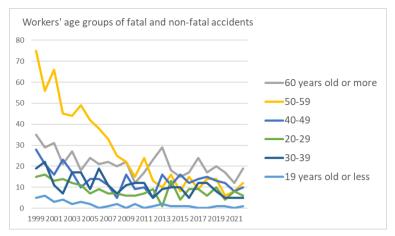
Transition of Top 5 of Causal agents (Large) of fatal and non-fatal accidents in 010203 weaving in Japan (1999-2022)



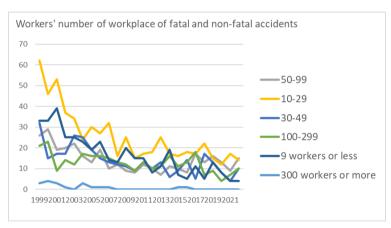
Transition of Top 7 of Causal agents (Middle) of fatal and non-fatal accidents in 010203 weaving in Japan (1999-2022)



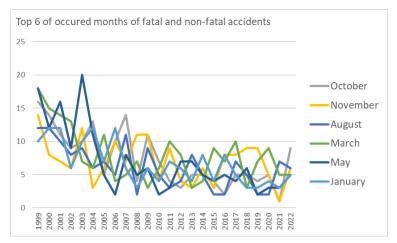
Transition of Top 10 of Causal agents (Small) of fatal and non-fatal accidents in 010203 weaving in Japan (1999-2022)



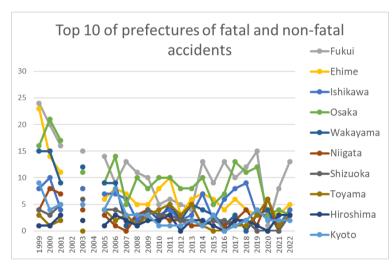
Transition of workers' age groups of fatal and non-fatal accidents in 010203 weaving in Japan (1999-2022)



Transition of workers' number of workplace of fatal and non-fatal accidents in 010203 weaving in Japan (1999-2022)



Transition of Top 6 of occured months of fatal and non-fatal accidents in 010203 weaving in Japan (1999-2022)



Transition of Top 10 of prefectures of fatal and non-fatal accidents in 010203 weaving in Japan (1999-2022)

Transition of Type of fatal and non-fatal accidents in 010203 weaving 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
falling to same level	32	23	29	34	24	18	21	22	21	19	14	15	19	16	17	12	12	17	15	15	11	10	8	14	438	falling to same level
fall from height	21	16	18	9	9	9	12	14	16	13	13	8	9	6	11	10	9	8	7	11	14	6	6	13	268	fall from height

caught in/between	74	58	49	37	49	47	35	30	22	20	30	16	22	16	26	23	20	19	23	18	16	8	9	9	676	caught in/between
cut	8	16	11	5	10	5	4	5	3		3	2	4	2	1	5	2	1	2	4	3	1	3	5	105	cut
struck by flying or falling object	14	12	10	5	7	6	7	8	5	4	6	4	7	5	2	3	3	1	5	3	1	2	7	4	131	struck by flying or falling object
crash	10	8	5	3	8	6	6	6	2	3	2	3	3	4		4		3		3	2	4	1	3	89	crash
reaction to motion/improper motion	13	7	10	10	3	9	6	9	14	3	4	4	6	2	8	6	5	7	8	7	8	7	6	2	164	reaction to motion/improper motion
crashed by	3	4	2	4	3	3	4	2	1	2	4	1		2		3	1	1	3	2	2	3		1	51	crashed by
contact to high/low- temperature		3		2	2		1	2	1			1			2	1		1	2		2			1	21	contact to high/low- temperature
contact to harmful substance		1		4		1								1			1							1	9	contact to harmful substance
collapse	1	2	1	1	1	1		1			1			2				1				1	1		14	collapse
traffic accident (public			1		3					2		2				2						2			12	traffic accident (public road)
fire			1				1										1				7				10	fire
others	1		1			2		1												1		1			7	others
injury to the sole of the foot								1											2						3	injury to the sole
electric shock			1				1																		2	electric shock
traffic accident						1													1						2	traffic accident

(others)																										(others)
unclassifiable			1																						1	unclassifiable
drown																										drown
explosion																										explosion
burst																										burst
total	177	150	140	114	119	108	98	101	85	66	77	56	70	56	67	69	54	59	68	64	66	45	41	53	2,003	total

Transition of Causal agents (Large) of fatal and non-fatal accidents in 010203 weaving 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)
other equipment	28	32	17	15	19	12	15	15	27	12	17	9	15	5	17	15	10	10	14	15	12	7	10	21	369	other equipment
machine	78	69	55	47	59	48	39	38	23	19	35	25	28	19	20	24	22	19	24	18	19	10	10	12	760	machine
temporary buildings, establishments	30	19	32	23	21	16	24	19	14	22	10	13	10	13	15	15	12	20	14	16	13	10	8	11		temporary buildings, establishments
load	14	11	8	10	10	4	6	8	3	2	8	1	3	7	4	3	1	3	2	4	2	4	3	3	124	load
substance, material	13	5	8	10	2	11	4	7	4	2	4	3	6	6	3	1	5	2	3	1	4	4	5	2	115	substance, material
others	2	6	11	4		6	1	7	8	3	1	1	3	2	4	2	3	4	4	4	11	6	3	2	98	others
crane, conveying machine	10	7	9	4	8	9	8	4	5	6	2	3	4	4	3	8	1	1	6	5	5	4	1	1	118	crane, conveying machine
environment	2	1		1		2	1	3	1			1	1		1	1			1	1			1	1	19	environment
total	177	150	140	114	119	108	98	101	85	66	77	56	70	56	67	69	54	59	68	64	66	45	41	53	2,003	total

Transition of Causal agents (Middle) of fatal and non-fatal accidents in 010203 weaving 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)
general machine	70	64	51	44	52	44	36	34	23	18	34	24	27	17	20	22	19	18	22	16	19	10	9	11	704	general machine
temporary buildings, establishments	30	19	32	23	21	16	24	19	14	22	10	13	10	13	15	15	12	20	14	16	13	10	8	11	400	temporary buildings, establishments
tools	13	12	10	8	11	5	7	11	19	7	13	5	12	4	8	6	7	5	7	9	6	4	5	11	205	tools
human power machine, tools	10	13	5	5	8	7	6	2	5	3	2	2	2	1	4	4	2	1	5	1	3	2	3	6	102	human power
other equipments,	3	6	1	2			2	1	2	2	1	2	1		5	4	1	3	1	4	2		2	4	49	other equipments, facilities
load	14	11	8	10	10	4	6	8	3	2	8	1	3	7	4	3	1	3	2	4	2	4	3	3	124	load
no causal agent	1	3	6	2		6		4	5	1	1	1	3	1	3	2	3	4	4	4	3	4	3	2	66	no causal agent
materials	13	4	7	6	2	10	3	7	4	2	4	3	6	5	3	1	4	2	3	1	4	4	5	1	104	materials
conveying machine	6	5	7	3	4	6	7	4	4	4	2	1	3	4	3	5	1		4	5	5	1	1	1	86	conveying machine
natural environment	2	1		1		2	1	3	1			1	1		1	1			1	1			1	1	19	natural environment
hazards, harmful substances		1	1	4		1	1							1			1							1		hazards, harmful

																										substances
engine						1								1										1	3	engine
power transmission mechanism	5	2	1		6	2	2	3		1	1		1	1		1	3	1	1	1					32	power transmission mechanism
other causal agent		3	3	2				2	3	2				1	1						1	2			20	other causal agent
crane	3	1	2		1	2	1		1	1			1			1		1	2			1			18	crane
metal manufacturing machine	2	3	1	2	1	1	1	1				1				1				1					15	metal manufacturing machine
vehicle	1	1		1	3	1				1		2				2						2			14	vehicle
unclassifiable	1		2				1	1													7				12	unclassifiable
pressure vessel	1	1						1										1	1		1	1			7	pressure vessel
woodworking machine	1		2	1																			1		5	woodworking machine
electric equipment			1						1		1									1					4	electric equipment
kiln, caldron	1															1									2	kiln, caldron
construction machine																			1						1	construction machine
mobile silviculture machine																										mobile silviculture machine
chemical facilities																										chemical

																										facilities
wolding aguinment																										welding
welding equipment																										equipment
total	177	150	140	114	119	108	98	101	85	66	77	56	70	56	67	69	54	59	68	64	66	45	41	53	2,003	total

Transition of Causal agents (Small) of fatal and non-fatal accidents in 010203 weaving in Japan (1999-2022)

Causal (S) 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 (S) agents
other general power machines			43		48		30	28	19	14	30	21	22	14	15	18	16	13	21	14	17	7	6	10	406	other general power machines
ladder			7		7		5	8	13	5	6	3	7	2	5	3	3	4	3	7	4	1	4	9	106	ladder
passage			16		8		12	11	7	11	3	5	5	5	4	4	7	11	6	8	7	5	4	7	146	passage
other equipment,			1				2	1	2	2	1	2	1		5	4	1	3	1	4	2		2	4	38	other equipment,
load			8		9		5	6	3	1	8	1	3	6	4	3	1	3	2	4	1	4	3	3	78	load
stairs, landing stage			3				4	3	2		4	1			3	3	2	1	4	2	1	2		3	38	stairs, landing stage
hand tool			3		5		2		2		1		1			2	1			1	3	1	3	3	28	hand tool
other tools			3		4		1	3	6	2	5	2	5	2	3	2	4	1	3	2	2	3	1	2	56	other tools
no causal agent			6					4	5	1	1	1	3	1	3	2	3	4	4	4	3	4	3	2	54	no causal agent
human power			1		2		3	2	3	3	1	2	1	1	3	2	1	1	5					2	33	human power hauling equipment
roll machine (except printingroll machine)			7		4		6	6	4	4	4	3	5	2	4	4	3	5		2	2	3	3	1	72	roll machine (except printingroll machine)
working platform,			4		8		3	5	1	6	3	2	3	4	6	3	1	6	4	2	3	1		1	66	working platform, boot board

other materials		3		2	4	1	1	1	2	5	3	2	1	3	2	1		3		2	1	37	other materials
truck		3	1	1	2		1	1		2	1			1		1	1	1			1	17	truck
other environments				1	1	1			1	1						1	1			1	1	9	other environments
human power cranes		1		1																	1	3	human power cranes
other hazards, harmful substances		1		1																	1	3	other hazards, harmful substances
engine											1										1	2	engine
metal material		4	1	1	3	3	1	3	1	1	2			1		2	1	1	3	3		31	metal material
forklift		1	2	4	2	2	1		1		2	3				3	3	1		1		26	forklift
building, establishment		3	1	3		3	2		2	1	1			1	1		3	1		3		25	building, establishment
other temporary buildings, establishments		4	3	2		1	2		2	1	2		2		1		1		2	1			other temporary buildings, establishments
power transmission mechanism		1	6	2	3		1	1		1	1		1	3	1	1	1					23	power transmission mechanism
conveyor		1		2		1	2	1		1	1		4				1		1			15	conveyor
other causal agent		3			2	3	2				1	1						1	2			15	other causal agent
unclassifiable		2		1	1													7				11	unclassifiable
cars, bus,			3				1		2				2						2			10	cars, bus,
machine/equipment as load			1	1	2		1				1							1				7	machine/equipment as load

crane			1	1						1					1	1			1		6	crane
other powered conveying machines		1	1			1							1					2			6	other powered conveying machines
slinging tool				1				2					1			1					5	slinging tool
opening		2	1										2								5	opening
roof, beam, haze,																						roof, beam, haze,
crossbeam,							1				1	2		1							5	crossbeam,
principal rafter																						principal rafter
elevator, lift		2											1			1					4	elevator, lift
pressure vessel															1	1		1	1		4	pressure vessel
other electrical equipment		1				1		1									1				4	other electrical equipment
circular sawing		2																		1	3	circular sawing
power press			1		1								1								3	power press
other metal manufacturing machines		1		1					1												3	other metal manufacturing machines
mixer, grinder		1									1					1					3	mixer, grinder
human power machine			1									1							1		3	human power machine
scaffolding									1				1					1			3	scaffolding
lumber, bamboo			1									1							1		3	lumber, bamboo
other powered crane						1	1														2	other powered crane

1	 		 	 		$\overline{}$	 	 					 			 	 	1
harmful substance									1			1					2	harmful substance
hardening machine													1				1	hardening machine
shearing machine														1			1	shearing machine
injection molding																		injection molding
machine										1							1	machine
railway equipment															1		1	railway equipment
loader		1															1	loader
other pressure					1													other pressure
vessels					I													vessels
industrial dryer											1						1	industrial dryer
standing tree					1												1	standing tree
water					1												1	water
abnormal											1						1	abnormal
environment											ı						ľ	environment
high/cold																		high/cold
temperature										1							1	temperature
environment																		environment
band sawing																		band sawing
machine																		machine
wood planer																		wood planer
machine																		machine
hollow chisel																		hollow chisel
mortiser, wood																		mortiser, wood
borer																		borer
chamfering																		chamfering

machine, router, woodworking milling machine													machine, router, woodworking milling machine
chain saw													chain saw
other woodworking machines													other woodworking
leveling, transporting or loading machine													leveling, transporting or loading machine
excavating machine													excavating machine
foundation work machine													foundation work
demolition machine													demolition machine
vehicle for high lift work													vehicle for high lift work
other construction machines													other construction machines
lathe													lathe
drill press, milling machine													drill press, milling machine
grinding machine, buffing machine													grinding machine, buffing machine
forging pressure hammer													forging pressure hammer
centrifugal machine													centrifugal machine

food manufacturing													food manufacturing
printing machine													printing machine
industrial robot													industrial robot
felling machine													felling machine
mobile logging													mobile logging
]										
skyline yarding machine													skyline yarding machine
other mobile													other mobile
silviculture machine													silviculture machine
mobile crane													mobile crane
derrick crane													derrick crane
cargo lifting													cargo lifting
appliance													appliance
gondola													gondola
lumberyard													lumberyard
equipment, logging													equipment, logging
cableway													cableway
simple skyline													simple skyline
yarding equipment													yarding equipment
straddle carrier													straddle carrier
rough terrain hauler													rough terrain hauler
railway vehicle													railway vehicle

other vehicles																										other vehicles
boiler																										boiler
chemical facilities																										chemical facilities
gas welding																										gas welding
equipment																										equipment
arc welding																										arc welding
equipment																										equipment
other welding																										other welding
equipment																										equipment
kiln, caldron																										kiln, caldron
other kiln, caldron																										other kiln, caldron
transmission																										transmission
electric power																										electric power
facilities																										facilities
timbering																										timbering
explosive substance																										explosive substance
inflammable																										inflammable
substance																										substance
inflammable gas																										inflammable gas
radiation																										radiation
stone, sand,																										stone, sand,
substance																										substance
natural ground,																										natural ground,
rock																										rock
total	177	150	140	114	119	108	98	101	85	66	77	56	70	56	67	69	54	59	68	64	66	45	41	53	2,003	total

Transition of workers' age groups of fatal and non-fatal accidents in 010203 weaving 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	35	29	31	21	27	18	24	21	22	20	22	12	17	23	29	18	15	17	24	17	20	17	12	19	510	60 years old or
more	33	29	31	21	27		24	21	22	20	22	12	17	23	29	10		'	24	17	20		12		310	more
50-59	75	56	66	45	44	49	42	38	33	25	22	15	24	13	10	16	8	15	9	14	14	6	8	12	659	50-59
40-49	28	21	16	23	17	10	14	14	11	5	16	9	10	5	16	11	16	12	14	15	13	12	8	10	326	40-49
20-29	15	16	13	14	12	11	7	9	7	7	6	6	7	9	1	13	4	9	9	6	10	4	8	6	209	20-29
30-39	19	22	11	7	17	17	9	19	11	7	11	12	12	5	9	10	10	5	12	12	8	5	5	5	260	30-39
19 years old or less	5	6	3	4	2	3	2		1	2		2		1	2	1	1	1			1	1		1	39	19 years old or less
total	177	150	140	114	119	108	98	101	85	66	77	56	70	56	67	69	54	59	68	64	66	45	41	53	2,003	total

Transition of workers' number of workplace of fatal and non-fatal accidents in 010203 weaving 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
50-99	26	29	19	20	22	16	13	19	10	12	9	8	12	10	7	11	10	8	17	13	16	13	9	15	344	50-99
10-29	62	46	53	37	34	24	30	27	32	16	25	15	17	18	25	17	16	18	17	22	15	12	17	14	609	10-29
30-49	32	15	17	17	26	25	19	15	13	12	11	9	13	10	13	6	9	14	5	17	13	8	4	10	333	30-49
100-299	21	23	9	14	12	17	16	16	15	13	12	9	13	10	11	16	11	13	18	7	9	4	7	10	306	100-299
9 workers or less	33	33	39	25	25	23	19	23	14	13	20	15	15	8	11	19	7	5	11	5	13	8	4	4	392	9 workers or less
300 workers or	3	4	3	1		3	1	1	1								1	1							19	300 workers or
more				•																						more
total	177	150	140	114	119	108	98	101	85	66	77	56	70	56	67	69	54	59	68	64	66	45	41	53	2,003	total

Transition of occured months of fatal and non-fatal accidents in 010203 weaving 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	16	14	11	9	10	13	5	10	14	4	11	7	4	3	5	5	4	2	5	5	4	5	1	9	176	October
November	14	8	7	6	12	3	6	10	7	11	11	4	9	4	3	6	3	8	8	9	9	5	1	6	170	November
August	12	12	10	8	9	6	7	5	11	2	9	5	3	4	8	5	2	2	7	5	2	2	7	6	149	August
March	18	15	14	13	7	6	11	4	5	7	3	6	10	8	3	4	9	7	10	3	7	9	5	5	189	March
May	18	12	16	9	20	11	5	2	8	5	6	2	3	7	7	5	4	5	4	6	2	3	3	5	168	May
January	10	12	12	6	10	12	7	12	6	3	6	4	7	6	4	8	4	8	5	3	3	4	3	5	160	January
September	20	15	14	6	7	9	7	10	8	6	5	3	9	5	9	6	4	5	3	5	2	2	7	4	171	September
February	15	14	5	10	4	5	13	9	5	6	9	7	3	2	3	5	6	2	8	7	8	3	5	4	158	February
June	14	12	22	14	8	10	8	10	7	6	7	5	5	4	2	4	4	4	5	5	14	4	1	3	178	June
April	19	13	13	15	11	6	9	9	5	5	2	7	6	3	11	7	3	5	5	3	4	5	1	2	169	April
July	9	10	10	7	14	15	10	9	5	7	3	3	5	4	7	7	6	6	5	6	2	1	6	2	159	July
December	12	13	6	11	7	12	10	11	4	4	5	3	6	6	5	7	5	5	3	7	9	2	1	2	156	December
total	177	150	140	114	119	108	98	101	85	66	77	56	70	56	67	69	54	59	68	64	66	45	41	53	2,003	total

Transition of prefectures of fatal and non-fatal accidents in 010203 weaving in Japan (1999-2022)

												_								_					_	1
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	24	20	16		15		14	9	13	11	10	5	6	5	4	13	9	13	10	12	15	1	8	13	246	Fukui
Ehime	23	14	11		8		6	8	7	5	5	8	10	3	6	7	6	4	6	4	3	4	3	5	156	Ehime
Ishikawa	8	10	4		8		7	7	6	2	4	3	4	2	3	7	2	6	8	9	3	3	1	4	111	Ishikawa
Osaka	16	21	17		11		9	14	5	10	8	10	10	8	8	10	5	7	13	11	12	3	4	3	215	Osaka
Wakayama	15	15	9		12		9	9	1	3	4	2	5	2	5	4	3	1	3		3	4		3	112	Wakayama
Niigata	4	8	7		4		3	1		3	4	3	2	2	1	1	2	1	2	4	1	6		3	62	Niigata
Shizuoka	4	3	5		6		4	4	3	1	4	3	3	2	2	1	2	2	1	2				3	55	Shizuoka

		ال	الــــالـ		JL		الـــــــا	<u> </u>	JL][<u> </u>	JL	JI]	JL]	JL		<u> </u>		<u> </u>	<u> </u>		JL
Гоуата	3	1	2		4	2	3	1	3	4	5	3	5	1			1	1	3	6	1	3	52	Toyama
Hiroshima	1	1	3	2	1	3	2	1	2	2	3		2	2	1		2	2	1		3	3	37	Hiroshima
Kyoto	9	4	5	5	4	8	3	3	3	1	1	1	2	1	3		1	2	4	2	2	2	66	Kyoto
Aichi	24	12	14	12	8	11	7	10	5	5	9	8	11	2	5	6	1	5	1	5	2	1	164	Aichi
Shiga	6	8	4	6	5	2	7	5	2	1	1	2	2	2	5	3	6	4	2	2	5	1	81	Shiga
Hyogo	8	6	8	7	2	2	1	1		1	3	1	2	3	2	2			2			1	52	Hyogo
Gifu	6	6	1	2	1	2	5	3	2		1	2	3	1	1	3	4	1	3	3		1	51	Gifu
Mie			3	1			2		1	2	1	1		2		1	2	2	3		1	1	23	Mie
Yamagata	1		2	1	2	1	2		1		1	1	1	2	1			1			4	1	22	Yamagata
Tokyo	1				2			1	2			1	1	2	1	1	1				1	1	15	Tokyo
Tochigi		1	1	1	1		3		1			1	1			1		1			1	1	14	Tochigi
Tokushima		1	2	1		1				1		1							1			1	9	Tokushim
Miyazaki												2	1									1	4	Miyazaki
lwate																						1	1	lwate
Okayama	8	8	15	3	8	4	5		6	3	1	1		3	2	2	1	1	5	1	1		78	Okayama
Fukuoka	3	1	1	6	3	4	3	3	5	1	1	1	4	1	1	1	1	1	1	4	1		47	Fukuoka
Gunma	5	2		3		1	1	1	1	1	3	2			1	1	3			1			26	Gunma
Saitama	2		1	2		1	1		3				2	1	1				2		2		18	Saitama
Nara	2	2	2		3	3	2					2		1			1						18	Nara
Saga	1	3	1		1	2		1															9	Saga
Shimane	2	2		1			1																6	Shimane
Yamanashi			1	1	1	1										1							5	Yamanash
Hokkaido				1												1	1				1		4	Hokkaido

Ibaraki			3						1																4	lbaraki
Kanagawa											1					1	1	1							4	Kanagawa
Kagawa																		1		1	1				3	Kagawa
Kagoshima		1							1	1															3	Kagoshima
Fukushima			1											1											2	Fukushima
Okinawa														1	1										2	Okinawa
Miyagi	1																								1	Miyagi
Chiba			1																						1	Chiba
Kumamoto																1									1	Kumamoto
Oita								1																	1	Oita
Aomori																										Aomori
Akita																										Akita
Nagano																										Nagano
Tottori																										Tottori
Yamaguchi																										Yamaguchi
Kochi																										Kochi
Nagasaki																										Nagasaki
total	177	150	140	114	119	108	98	101	85	66	77	56	70	56	67	69	54	59	68	64	66	45	41	53	2,003	total

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