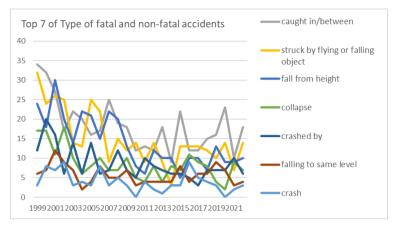
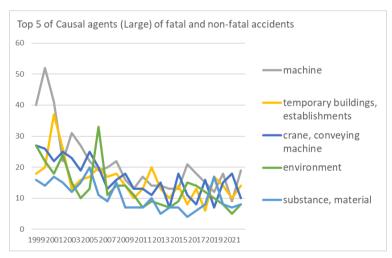
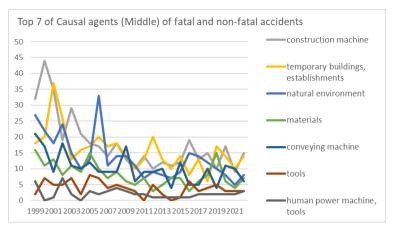
Transition of fatal and non-fatal accidents in 030102 tunnel construction work in Japan (1999-2022)



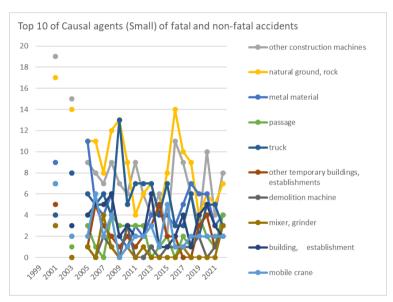
Transition of Top 7 of Type of fatal and non-fatal accidents in 030102 tunnel construction work in Japan (1999-2022)



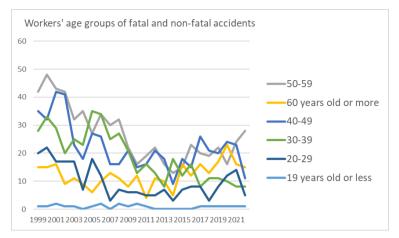
Transition of Top 5 of Causal agents (Large) of fatal and non-fatal accidents in 030102 tunnel construction work in Japan (1999-2022)



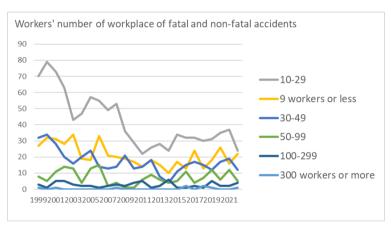
Transition of Top 7 of Causal agents (Middle) of fatal and non-fatal accidents in 030102 tunnel construction work in Japan (1999-2022)



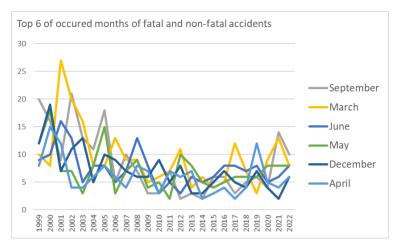
Transition of Top 10 of Causal agents (Small) of fatal and non-fatal accidents in 030102 tunnel construction work in Japan (1999-2022)



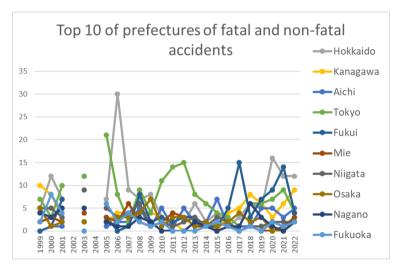
Transition of workers' age groups of fatal and non-fatal accidents in 030102 tunnel construction work in Japan (1999-2022)



Transition of workers' number of workplace of fatal and non-fatal accidents in 030102 tunnel construction work in Japan (1999-2022)



Transition of Top 6 of occured months of fatal and non-fatal accidents in 030102 tunnel construction work in Japan (1999-2022)



Transition of Top 10 of prefectures of fatal and non-fatal accidents in 030102 tunnel construction work in Japan (1999-2022)

Transition of Type of fatal and non-fatal accidents in 030102 tunnel construction work 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	34	32	27	17	22	20	16	17	25	19	18	12	13	12	18	9	22	12	12	15	16	23	10	18	439	caught in/between
struck by flying or	32	24	26	25	14	13	25	22	9	15	12	14	9	14	9	3	13	13	13	12	10	14	7	14	362	struck by flying

falling object																										or falling object
fall from height	24	18	30	20	14	22	21	15	22	20	13	8	6	12	10	10	5	10	10	7	13	9	9	10	338	fall from height
collapse	17	17	11	18	10	6	8	10	7	7	10	5	4	8	4	8	7	11	9	8	4	2	9	7	207	collapse
crashed by	12	20	16	6	14	6	14	6	7	12	7	5	10	8	7	6	6	5	3	7	7	7	10	6	207	crashed by
falling to same level	6	7	12	9	7	2	4	8	5	5	7	3	4	4	4	4	8	4	6	6	9	7	3	4	138	falling to same
crash	3	8	7	9	3	4	3	8	3	5	3		4	2	1	3	3	9	5	4	3		2	3	95	crash
traffic accident (public road)	3	4	4	12	15	3	8	3	1	1	3	6	3	1	2	1		3		4		1	3	2	83	traffic accident (public road)
contact to high/low- temperature	1	2	1	1	1	1	1		3	2		2	1	4	1			1	1	2	2			2	29	contact to high/low- temperature
contact to harmful substance	1	7	6	8	1	6	5		2	3	1	2	1	1				1	2		6	2	2	1	58	contact to harmful substance
fire		1	1		1			1																1	5	fire
others		1				1	1	22				1				1	1	2	11		2	16	27		86	others
reaction to motion/improper motion	4	5	4	3	2	2	4	2	1	1	2	2	4	1	2	1		2	3	3	5	4	2		59	reaction to motion/improper motion
cut	2	3	2	2	4	4	3	3	1	1	2	2	1	1	1	2	1	1	4			1			41	cut
explosion		2								4				4											10	explosion
burst	1					2		1			1										1		1		7	burst
injury to the sole of the foot			2										1				1								4	injury to the sole

unclassifiable	1				1				1								1								4	unclassifiable
drown																					1		1		2	drown
electric shock												2													2	electric shock
traffic accident							1																		1	traffic accident
(others)							•																		•	(others)
total	141	151	149	130	109	92	114	118	87	95	79	64	61	72	59	48	68	74	79	68	79	86	86	68	2,177	total

Transition of Causal agents (Large) of fatal and non-fatal accidents in 030102 tunnel construction work 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)
machine	40	52	41	22	31	27	22	19	20	22	16	13	17	14	14	13	13	21	18	15	12	18	9	19	508	machine
temporary buildings, establishments	18	20	37	26	13	16	17	20	17	18	14	10	13	20	13	10	14	8	13	6	17	14	10	14	378	temporary buildings, establishments
crane, conveying machine	27	26	22	25	23	19	25	20	13	16	18	13	13	11	15	7	18	11	8	16	7	15	18	10	396	crane, conveying machine
environment	27	22	18	24	15	10	13	33	11	14	14	11	7	9	8	7	9	15	14	12	10	8	5	8	324	environment
substance, material	16	14	17	15	12	15	20	11	9	15	7	7	7	10	5	7	7	4	6	8	17	8	7	8	252	substance, material
other equipment	11	11	11	16	12	4	15	13	9	9	7	9	2	6	3	4	3	9	9	8	8	7	9	8	203	other equipment
load	1	4	3				2	1	5		1		1	1			2	2		2	2		1	1	29	load
others	1	2		2	3	1		1	3	1	2	1	1	1	1		2	4	11	1	6	16	27		87	others
total	141	151	149	130	109	92	114	118	87	95	79	64	61	72	59	48	68	74	79	68	79	86	86	68	2,177	total

Transition of Causal agents (Middle) of fatal and non-fatal accidents in 030102 tunnel construction work 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
construction machine	32	44	35	19	29	21	18	17	14	18	13	10	14	10	12	11	12	19	13	15	10	17	9	15	427	construction
Construction machine	52					21									12		12								727	machine
temporary buildings,																										temporary
establishments	18	20	37	26	13	16	17	20	17	18	14	10	13	20	13	10	14	8	13	6	17	14	10	14	378	buildings,
establishments																										establishments
	27	22	10	24	1.	10	12	22	11	1.4	14							1.5	1.4	12	10				224	natural
natural environment	27	22	18	24	15	10	13	33	11	14	14	11	7	9	8	7	9	15	14	12	10	8	5	8	324	environment
materials	16	11	13	8	11	9	15	10	7	9	6	5	7	3	5	7	7	3	6	8	15	6	4	7	198	materials
																										conveying
conveying machine	21	17	9	18	11	10	12	9	9	9	17	6	9	9	10	4	12	5	5	10	4	11	10	6	243	machine
tools	2	7	5	5	7	2	8	7	4	5	4	3		5	2		1	6	3	4	5	3	3	3	94	tools
human power machine,																										human power
tools	6		1	7	2		3	2	3	4	3	2	2	1	1	1	1	1	2	2	2	2	2	3	53	machine, tools
																										general
general machine	6	6	5	2		2	1	1	5	3	1	1		3	1	2	1		1		1			3	45	machine
crane	5	7	9	3	5	6	5	8	3	5	1	2	3	2	4	1	6	3	3	2	3	3	5	2	96	crane
vehicle	1	2	4	4	7	3	8	3	1	2		5	1		1	2		3		4		1	3	2	57	vehicle
																										electric
electric equipment								1	1			2											1	2	7	equipment
																										hazards,
hazards, harmful		3	4	7	1	6	5	1	2	6	1	2		7				1			2	2	3	1	54	harmful

substances																										substances
load	1	4	3				2	1	5		1		1	1			2	2		2	2		1	1	29	load
engine												1												1	2	engine
other causal agent	1							1			1	1						2	9		2	15	27		59	other causal agent
other equipments,	1	3	5	4	1	1	4	3	1			1				3	1	2	4	2	1	2	2		41	other equipments, facilities
woodworking machine	1	1	1	1	2	4	2	1	1	1			1	1	1			2	2						22	woodworking machine
no causal agent		2		1	2	1			2	1	1		1	1			2	2		1	4	1			22	no causal agent
metal manufacturing machine	1	1									2		2						1		1	1			9	metal manufacturing machine
unclassifiable				1	1				1						1				2						6	unclassifiable
pressure vessel	1				1							1											1		4	pressure vessel
welding equipment	1	1			1	1																			4	welding equipment
power transmission mechanism							1					1													2	power transmission mechanism
mobile silviculture machine																			1						1	mobile silviculture machine

chemical facilities																										chemical
chemical facilities																										facilities
kiln, caldron																										kiln, caldron
total	141	151	149	130	109	92	114	118	87	95	79	64	61	72	59	48	68	74	79	68	79	86	86	68	2,177	total

Transition of Causal agents (Small) of fatal and non-fatal accidents in 030102 tunnel construction work 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 construction machines			19		15		9	8	7	9	7	6	9	6	4	6	2	11	9	6	3	10	4	8	158	other construction machines
natural ground,			17		14		11	11	8	12	13	9	4	6	7	4	8	14	10	9	4	6	5	7	179	natural ground,
metal material			9		8		11	5	4	6	2	1	3	2	4	4	4	3	5	7	6	6	3	4	97	metal material
passage			4		1		3	1		4	3	3	3	3		1	2		2	1	4	2	1	4	42	passage
truck			4		8		6	5	6	4	13	5	7	7	7	4	7	3	3	6	2	5	5	3	110	truck
other temporary buildings, establishments			5				1	5	3	2	1	2	1	2	3	5	2	2			3	4	1	3	45	other temporary buildings, establishments
demolition machine			3		2		1		2	1		3			1		1	1	1	1	2		1	3	23	demolition machine
mixer, grinder			3				1		4	1		1		1					1					3	15	mixer, grinder
building, establishment			7		3		4	5	5	6	2	3	2	2	6	1	1	2	4	1	4	5	3	2	68	building, establishment
mobile crane			7		2		2	6	2	4		1	2	2	3	1	5	1	1	2	2	2	2	2	49	mobile crane
cars, bus, motorcycle			4		7		8	3	1	2		5	1		1	1		3		4		1	3	2	46	cars, bus, motorcycle

	2			1		2	\neg	
	2						15	slinging tool
	2					2	5	electric power facilities
2		5	3	1	2	1	71	excavating machine
$\neg \Box$	2	2	1		3	1	44	timbering
2	2		2		1	1	37	scaffolding
1	1	2	2	2	3	1	34	railway equipment
1	1	2	2			1	33	other environments
			4	1	1	1	31	ladder
1	1		6			1	29	other materials
			2	2		1	25	working platform, boot board
1	1	1	2	3	1	1	24	vehicle for high lift work
		1		1		1	22	leveling, transporting or loading machine
		2	2			1	20	load
1	1				1	1	18	stairs, landing stage
		1	1		1	1	18	stone, sand, substance
2	2	2	1	1		1	17	opening
	1	1		2		1	16	conveyor
=		2	2 2 1 1	1 1 2 2 1 1			2 2 1 1 1	2 2 1 1 1 17

other powered		3			1	1	1	1		1	1	1					1				1	12	other powered
conveying machines																							conveying machines
foundation work machine			3			1								1			1		2	1	1	10	foundation work machine
lumber, bamboo			1		1	1					1		2	1				2			1	10	lumber, bamboo
inflammable gas							2				5										1	8	inflammable gas
engine									1												1	2	engine
human power machine																					1	1	human power machine
other causal agent					1			1	1						2	9		2	15	27		58	other causal agent
other tools		2	4	2	5	1	2		1		2	1			2	2	4	1	1	2		32	other tools
other equipment,		5	1	4	3	1			1				3	1	2	4	2	1	2	2		32	other equipment,
crane		1	2	2	2	1		1	1			1		1	1	2			1	3		19	crane
no causal agent			2			2	1	1		1	1			2	2		1	4	1			18	no causal agent
other hazards, harmful substances		3		1	1	2	1	1	2									2	2	2		17	other hazards, harmful substances
circular sawing		1	2	2	1	1	1					1			2	2						13	circular sawing machine
other general power machines		2			1	1	2	1			2	1	1	1				1				13	other general power machines
standing tree		1				1	1	1					2	1		3		1	1			12	standing tree
high/cold temperature environment				1		1	1		2		3	1			1		1	1				12	high/cold temperature environment

human power					2		1		1		1	1				1			1	8	human power
harmful substance		1		4			1				1				1					8	harmful substance
human power hauling equipment			1	1		2	1										1		1	7	human power
other powered crane		1	1	1			1			1							1			6	other powered crane
unclassifiable			1			1						1				2				5	unclassifiable
other metal manufacturing machines								2		1							1			4	other metal manufacturing machines
explosive substance			1				2												1	4	explosive substance
machine/equipment as load				1										2					1	4	machine/equipment as load
hardening machine										2					1					3	hardening machine
grinding machine, buffing machine										1						1		1		3	grinding machine, buffing machine
rough terrain hauler							1											1	1	3	rough terrain hauler
pressure vessel			1						1										1	3	pressure vessel
abnormal environment										1			1				1			3	abnormal environment
power transmission mechanism				1					1											2	power transmission mechanism
roof, beam, haze, crossbeam,						1		1												2	roof, beam, haze, crossbeam,

principal rafter																	principal rafter
water													1	1		2	water
wood planer machine									1							1	wood planer machine
other woodworking machines								1								1	other woodworking machines
roll machine (except printingroll machine)										1						1	roll machine (except printingroll machine)
felling machine												1				1	felling machine
elevator, lift											1					1	elevator, lift
forklift															1	1	forklift
loader														1		1	loader
railway vehicle										1						1	railway vehicle
arc welding equipment			1													1	arc welding equipment
transmission					1											1	transmission
other electrical equipment															1	1	other electrical equipment
inflammable substance									1							1	inflammable substance
band sawing machine																	band sawing machine
hollow chisel mortiser, wood																	hollow chisel mortiser, wood

borer													borer
chamfering													chamfering
machine, router,													machine, router,
woodworking													woodworking
milling machine													milling machine
chain saw													chain saw
lathe													lathe
drill press, milling													drill press, milling
machine													machine
power press													power press
forging pressure													forging pressure
hammer													hammer
shearing machine													shearing machine
centrifugal machine													centrifugal machine
injection molding													injection molding
machine													machine
food manufacturing													food manufacturing
machine													machine
printing machine													printing machine
industrial robot													industrial robot
mobile logging													mobile logging
machine													machine
skyline yarding													skyline yarding
machine													machine
other mobile													other mobile

silviculture machine	silviculture machine
derrick crane	derrick crane
cargo lifting appliance	cargo lifting appliance
gondola	gondola
lumberyard equipment, logging cableway	lumberyard equipment, logging cableway
simple skyline yarding equipment	simple skyline yarding equipment
straddle carrier	straddle carrier
other vehicles other vehicles	other vehicles
boiler	boiler
other pressure vessels	other pressure vessels
chemical facilities	chemical facilities
gas welding equipment	gas welding equipment
other welding equipment	other welding equipment
kiln, caldron	kiln, caldron
industrial dryer	industrial dryer
other kiln, caldron	other kiln, caldron
radiation	radiation

total	141 15	1 149	130	109	92	114 1	118 87	95	79	64	61	72	59	48	68	74	79	68	79	86	86	68	2,177 total		
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Transition of workers' age groups of fatal and non-fatal accidents in 030102 tunnel construction work 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	42	48	43	42	32	35	27	34	30	32	22	16	19	22	16	13	15	23	20	19	22	16	24	28	640	50-59
60 years old or	15	15	16	9	11	9	6	10	13	11	8	12	4	11	10	5	16	12	16	13	17	23	16	15	293	60 years old or
more																									273	more
40-49	35	32	42	41	23	18	27	26	16	16	21	15	16	21	18	9	18	15	26	21	20	24	23	11	534	40-49
30-39	28	33	29	20	25	23	35	34	25	27	21	13	16	13	8	18	12	16	8	11	11	10	8	8	452	30-39
20-29	20	22	17	17	17	7	18	12	3	7	6	6	5	5	7	3	7	8	8	3	8	12	14	5	237	20-29
19 years old or less	1	1	2	1	1		1	2		2	1	2	1						1	1	1	1	1	1	21	19 years old or less
total	141	151	149	130	109	92	114	118	87	95	79	64	61	72	59	48	68	74	79	68	79	86	86	68	2,177	total

Transition of workers' number of workplace of fatal and non-fatal accidents in 030102 tunnel construction work 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	70	79	73	63	43	47	57	55	49	53	36	29	22	26	28	24	34	32	32	30	31	35	37	24	1,009	10-29
9 workers or less	27	32	31	28	34	19	18	33	21	20	19	17	14	18	15	10	17	13	24	13	18	26	16	22	505	9 workers or less
30-49	32	34	28	20	16	20	24	14	13	14	21	13	14	18	8	4	11	15	17	15	12	17	19	12	411	30-49
50-99	8	5	11	14	13	4	13	15	2	4	1	1	6	9	6	4	5	11	4	7	12	6	12	5	178	50-99
100-299	3	1	5	5	3	2	2	1	2	3	2	4	5	1	2	6	1	1	2	1	5	2	2	4	65	100-299
300 workers or	1		1							1								2		2	1			1	9	300 workers or
more			ľ							<u> </u>																more
total	141	151	149	130	109	92	114	118	87	95	79	64	61	72	59	48	68	74	79	68	79	86	86	68	2,177	total

Transition of occured months of fatal and non-fatal accidents in 030102 tunnel construction work 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
September	20	16	9	21	13	11	18	5	10	7	3	3	7	2	3	2	6	6	3	5	6	4	14	10	204	September
March	10	8	27	20	16	8	8	13	9	9	5	6	7	11	4	6	4	5	12	7	3	9	13	8	228	March
June	9	10	16	13	5	8	8	5	7	13	8	3	5	3	6	5	6	8	8	7	8	5	6	8	180	June
May	12	18	7	7	3	8	15	3	7	9	4	5	2	10	8	5	4	5	6	6	6	8	8	8	174	May
December	12	19	7	11	13	5	10	9	7	6	6	9	5	8	3	3	5	7	5	4	7	4	2	6	173	December
April	8	15	12	4	4	6	8	6	4	8	7	3	7	6	7	2	3	4	2	4	12	5	4	6	147	April
October	13	14	15	8	13	6	6	8	4	6	3	8	10	2	4	11	5	4	8	4	13	14	7	5	191	October
February	11	15	10	5	13	8	7	8	10	7	9	6	4	11	7	2	4	9	8	4	3	8	2	5	176	February
November	16	12	18	9	7	10	6	32	5	6	5	8	1	2	6	4	11	3	6	10	4	16	4	4	205	November
January	14	6	13	9	10	6	13	10	8	10	15	1	7	7	4	4	7	8	5	4	5	5	10	4	185	January
July	6	11	8	14	7	8	6	10	5	8	5	8	4	3	4	2	9	9	9	8	7	4	3	2	160	July
August	10	7	7	9	5	8	9	9	11	6	9	4	2	7	3	2	4	6	7	5	5	4	13	2	154	August
total	141	151	149	130	109	92	114	118	87	95	79	64	61	72	59	48	68	74	79	68	79	86	86	68	2,177	total

Transition of prefectures of fatal and non-fatal accidents in 030102 tunnel construction work 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
Hokkaido	5	12	7		12		7	30	9	7	8	3	1	2	6	2	4	1	3	6	5	16	12	12	170	Hokkaido
Kanagawa	10	8	3		2		2	4	4	4	4	3	2		2	2		4	5	8	6	3	6	9	91	Kanagawa
Aichi	5	1	1		2		1	2	2	5	1	5	1	5	2	2	7	1	1	1	5	5	3	5	63	Aichi
Tokyo	7	3	10		12		21	8	2	9	4	11	14	15	8	6	4	3	1	6	6	7	9	4	170	Tokyo
Fukui		1	7		2		3		1	8	2	3	2	3	3	1	1	5	15	3	7	9	14	4	94	Fukui
Mie	2	3	2		4		3	2	6	2	1	2	4	3	1	1		1		1			1	3	42	Mie

ı				 	 										-									:
Niigata	5	5	3	9	5	3	4	6	1	2	1	2	3	1	3	2		1	1	2	2	2	63	Niigata
Osaka	5	1	2	2	2	3	3	4	7	1	3	3	1	2	1	2	4	2	3			2	53	Osaka
Nagano	4	3	5	5	2	1	1	3	2				2	1		1	1	6	3	1		2	43	Nagano
Fukuoka	2	8	4		6	2	4	2	1	2				1	2	1		1		2	1	2	41	Fukuoka
Nagasaki	5	1	2	2	1		1	1							3	3	5	5	2		5	2	38	Nagasaki
Kumamoto	2	4	7	4		5		1			1		1		1		1	1	2	2		2	34	Kumamoto
Ehime			3	3	4	4	2		1					1			3	2		1	4	2	30	Ehime
Yamagata	3	2	2			2			3	2	2	1		1			5	1	1		1	2	28	Yamagata
Shizuoka	7	7	18	10	10	4	4	4	3	3		3	2			3	1	2	1	1	1	1	85	Shizuoka
Gifu	4	5	9	2	8	7	2	1		2	1			1	6	2	2	3	2	2	6	1	66	Gifu
Kyoto	7	11	8	5	2	2	3	1	1	1	1	5	2	1	1			1	1			1	54	Kyoto
Fukushima	2	2	3	2		3	3	6		3	1	1		4	4	3	3	2	2		2	1	47	Fukushima
Miyazaki	2	6	3	6	1	2	3	4	1	2	2	2	3		1			1	1	3	1	1	45	Miyazaki
Yamanashi	1	2				1	1	1	1	1	6	4		2	3	6	3	1	1	3		1	38	Yamanashi
Oita	4	4	3	1		1	2	1	2		1	2	4		1	2	2	1	2	3		1	37	Oita
Hiroshima	1	6	3	2	3	2	3	2	1	2	2		2	1			2		1		2	1	36	Hiroshima
Chiba				2	6			1	1			1	1		3		2		1	1	3	1	23	Chiba
Akita	2	2			3	3	2	1	1	1	2		1				2					1	21	Akita
Miyagi	1	2		1		2	4	1	1	1	1	1	1		1	1						1	19	Miyagi
Saitama	2		3	1		1			1				3	3	1	3						1	19	Saitama
Tochigi	1	1	1		1		2	1	3	1			1		1		1					1	15	Tochigi
Tottori			1					2			1				1	3	2	3	1			1	15	Tottori
Shiga		2	3	2				2	1								1				1	1	13	Shiga

lwate	10	5	7				1	3		1	3				1	5	6	8	4	4	5	3	4		70	lwate
Hyogo	5	13	5		1		2	4	2	6	1	1		3		4	2	6	1	1	2	1	1		61	Hyogo
Kagoshima	7	5	4		1		4		3			4	2	4		1	3	1	1		1				41	Kagoshima
Wakayama	1	1			2		1	3	1	2			1		2	2	1	2			1	14	1		35	Wakayama
Ishikawa	5	2			2		3		1		1	1	1				1	1	1	2	7	3			31	Ishikawa
Kochi	4	4	3		1			1	3		3			1				2	1		1	1	4		29	Kochi
Toyama	7	2	2		2			1		1	1	1	3	1	2	2	1								26	Toyama
Okayama		4	2		1		1	1	1	2	3		2	6	2					1					26	Okayama
Shimane	1	1	4				2	1	2		3	5	1	1			1		1		1				24	Shimane
Tokushima	3	1	1				1	2	1		1	1		1				2			3				17	Tokushima
Gunma	5		5		1			2	1	1											1				16	Gunma
Nara	1	4			3		1				3		1	1				1		1					16	Nara
Aomori		3			1		2		2	1			1	1				1	1		1		1		15	Aomori
Okinawa	1		1				3	1	1		2						1	1			2	1	1		15	Okinawa
Yamaguchi	1	3	2				1	1		1	3							1	1						14	Yamaguchi
Saga		1						1			1				1	1	2	1	2	1					11	Saga
Ibaraki	1				1		1	3	1						2										9	lbaraki
Kagawa											2						1		1			2			6	Kagawa
total	141	151	149	130	109	92	114	118	87	95	79	64	61	72	59	48	68	74	79	68	79	86	86	68	2,177	total

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