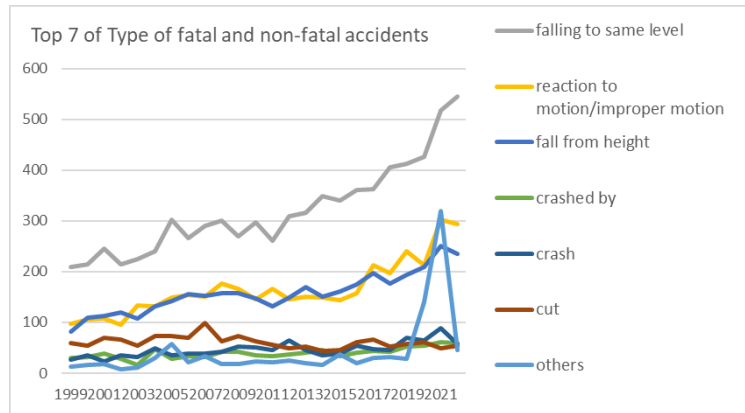
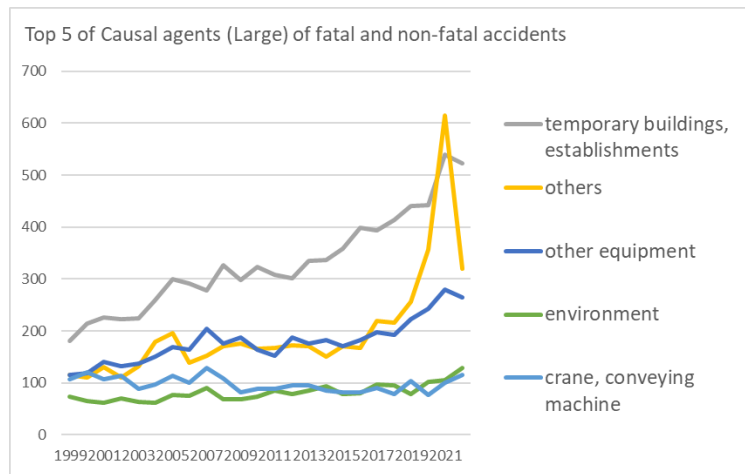


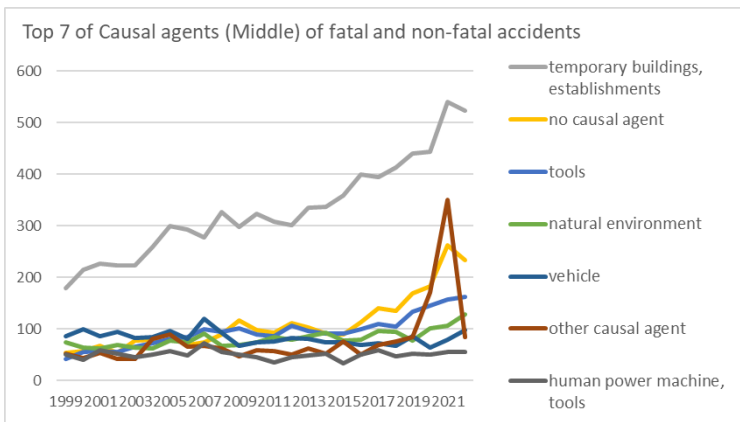
Transition of fatal and non-fatal accidents in 12 education/research service in Japan (1999-2022)



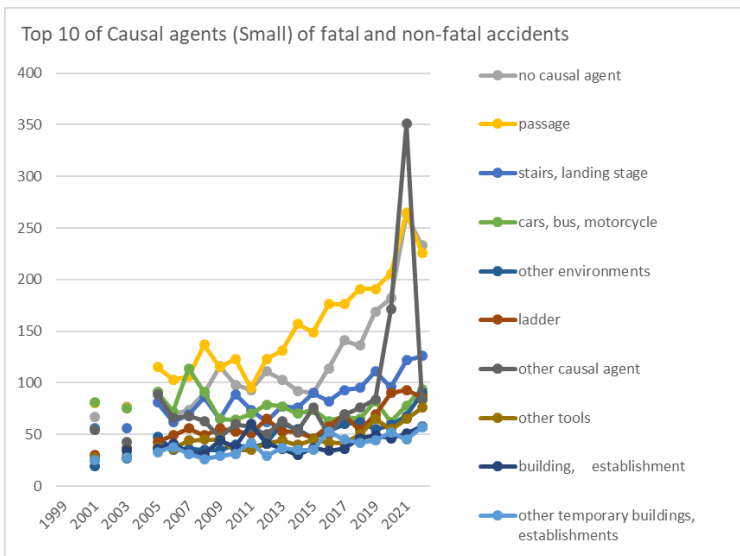
Transition of Top 7 of Type of fatal and non-fatal accidents in 12 education/research service in Japan (1999-2022)



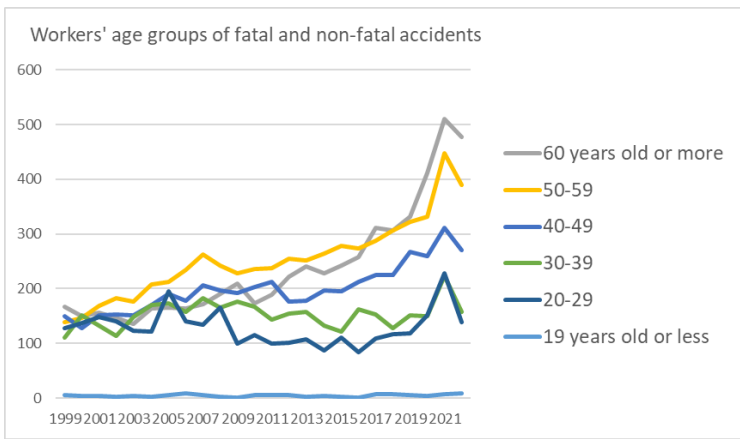
Transition of Top 5 of Causal agents (Large) of fatal and non-fatal accidents in 12 education/research service in Japan (1999-2022)



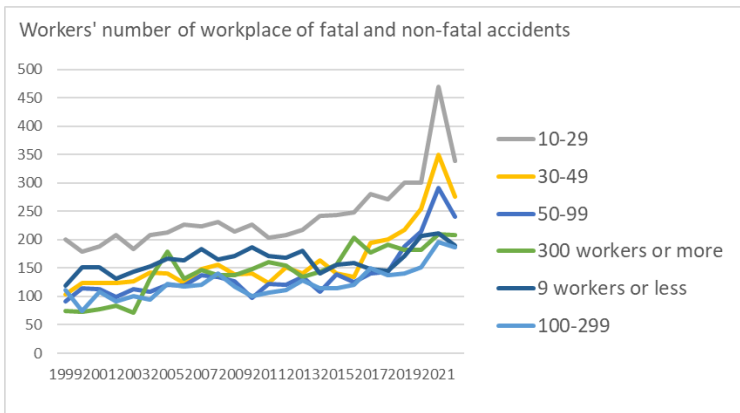
Transition of Top 7 of Causal agents (Middle) of fatal and non-fatal accidents in 12 education/research service in Japan (1999-2022)



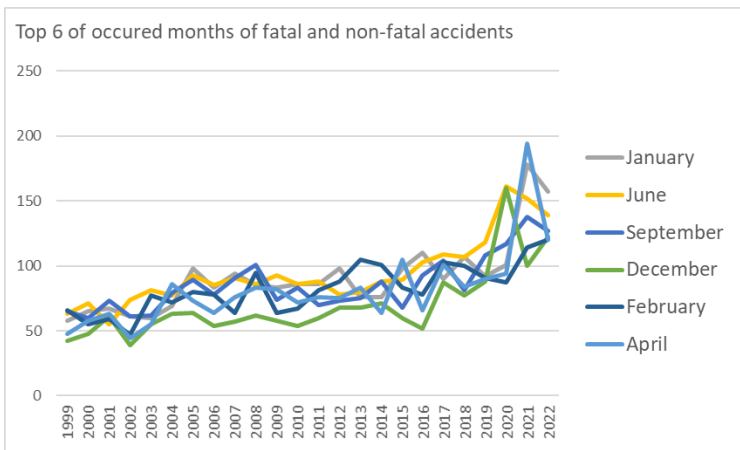
Transition of Top 10 of Causal agents (Small) of fatal and non-fatal accidents in 12 education/research service in Japan (1999-2022)



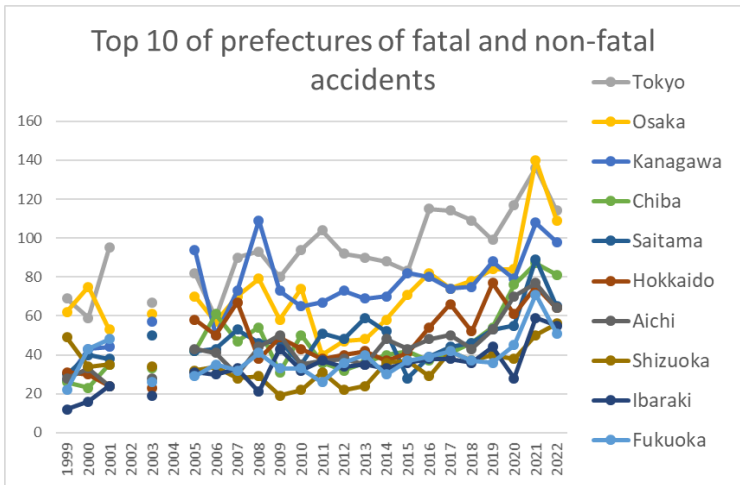
Transition of workers' age groups of fatal and non-fatal accidents in 12 education/research service in Japan (1999-2022)



Transition of workers' number of workplace of fatal and non-fatal accidents in 12 education/research service in Japan (1999-2022)



Transition of Top 6 of occurred months of fatal and non-fatal accidents in 12 education/research service in Japan (1999-2022)



Transition of Top 10 of prefectures of fatal and non-fatal accidents in 12 education/research service in Japan (1999-2022)

Transition of Type of fatal and non-fatal accidents in 12 education/research service 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	209	214	245	215	225	240	302	267	290	301	269	298	261	309	316	349	340	361	363	406	412	427	518	545	7,682	falling to same level
reaction to motion/improper	98	106	108	96	133	132	149	154	151	176	167	146	166	145	151	149	143	158	212	198	240	213	303	293	3,987	reaction to motion/improper



explosion	1	3			5	5	3		2	3		1		1		1	5	2	1	2		1	1		37	explosion	
burst	1	4	1	4	2	1	2		1	1	3	3				1	1	2	1	1	1		1		31	burst	
fire	3		1			1		2			1		2	1	1		1								13	fire	
electric shock				1	1						1	1	1				1		1					1		8	electric shock
total	699	717	760	737	738	837	942	882	962	965	907	900	888	914	937	912	948	991	1,092	1,090	1,200	1,307	1,728	1,441	23,494	total	

Transition of Causal agents (Large) of fatal and non-fatal accidents in 12 education/research service 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	180	215	226	223	224	259	300	292	278	327	298	324	308	301	335	337	359	399	394	413	440	443	540	523	7,938	temporary buildings, establishments
others	116	110	130	111	132	179	196	139	152	171	175	165	168	172	170	150	170	167	219	216	256	357	615	320	4,756	others
other equipment	115	118	141	133	137	151	169	164	204	175	188	164	152	187	175	183	170	182	197	192	222	243	279	265	4,306	other equipment
environment	74	65	62	70	64	62	77	75	91	68	69	74	85	79	86	93	78	80	97	95	78	102	106	129	1,959	environment
crane, conveying machine	107	121	107	114	89	97	114	101	129	108	82	88	88	96	96	86	82	82	90	79	104	77	100	116	2,353	crane, conveying machine
machine	45	33	38	37	31	46	38	44	47	42	48	35	28	37	36	22	32	39	38	37	31	43	42	38	907	machine
load	19	17	25	16	25	17	16	28	29	33	28	26	28	17	15	15	26	17	27	30	44	20	28	31	577	load
substance, material	43	38	31	33	36	26	32	39	32	41	19	24	31	25	24	26	31	25	30	28	25	22	18	19	698	substance, material
total	699	717	760	737	738	837	942	882	962	965	907	900	888	914	937	912	948	991	1,092	1,090	1,200	1,307	1,728	1,441	23,494	total







																												equipment
total	699	717	760	737	738	837	942	882	962	965	907	900	888	914	937	912	948	991	1,092	1,090	1,200	1,307	1,728	1,441	23,494	total		

Transition of Causal agents (Small) of fatal and non-fatal accidents in 12 education/research service 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
no causal agent			67		77		91	69	74	90	116	98	93	111	103	92	90	114	141	136	169	182	263	233	2,409	no causal agent
passage			80		76		115	103	106	137	115	123	95	123	131	157	149	176	176	191	191	206	265	226	2,941	passage
stairs, landing stage			56		56		81	62	69	86	65	89	74	62	77	76	90	82	93	95	111	96	122	126	1,668	stairs, landing stage
cars, bus, motorcycle			81		75		91	72	114	91	65	64	70	79	77	70	74	63	67	65	82	62	78	94	1,534	cars, bus, motorcycle
other environments			19		27		48	35	36	35	35	40	37	41	61	55	46	53	60	62	55	59	68	90	962	other environments
ladder			30		37		43	49	56	49	56	53	51	65	53	52	46	58	69	54	69	90	93	86	1,159	ladder
other causal agent			54		43		89	66	68	63	47	60	57	50	63	53	76	50	69	76	84	171	351	84	1,674	other causal agent
other tools			28		29		38	36	44	45	45	35	35	41	44	40	45	42	41	50	65	55	65	76	899	other tools
building, establishment			25		34		36	41	32	31	44	38	60	41	36	30	37	34	36	46	49	46	51	58	805	building, establishment
other temporary buildings, establishments			25		28		33	38	31	26	29	31	42	29	37	35	35	53	45	42	44	52	45	57	757	other temporary buildings, establishments
working platform, boot board			27		26		27	38	32	34	34	31	34	40	37	34	37	43	38	33	37	37	49	47	715	working platform, boot board
other equipment, facilities			18		21		25	26	24	24	30	28	28	33	27	32	43	29	25	35	29	45	57	45	624	other equipment, facilities
hand tool			43		35		42	36	54	36	40	33	29	24	30	23	21	25	30	24	27	27	29	35	643	hand tool
load			22		23		14	24	27	31	25	22	25	13	14	14	25	15	26	27	36	19	27	31	460	load

natural ground, rock			33		23		17	25	26	16	21	23	22	20	16	23	16	13	18	8	10	20	18	23	391	natural ground, rock
human power hauling equipment			16		10		11	12	18	20	10	12	6	20	19	29	13	24	29	21	25	22	22	19	358	human power hauling equipment
other general power machines			13		15		8	22	8	10	19	11	10	11	12	9	8	15	18	17	10	16	15	16	263	other general power machines
standing tree			6		6		8	13	16	8	9	7	7	10	5	7	9	7	10	10	6	11	12	10	177	standing tree
truck			7		2		10	12	5	10	6	5	8	7	7	7	5	7	11	8	11	10	10	9	157	truck
metal material			10		4		8	8	2	7	2	5	7	7	5	5	8	8	3	10	4	6	4	6	119	metal material
other materials			6		9		4	10	14	11	9	9	4	6	6	8	3	4	10	6	8	8	3	5	143	other materials
food manufacturing machine			3		7		8	9	14	13	6	9	4	5	4	4	6	5	7	8	7	10	8	5	142	food manufacturing machine
opening			5		1		2	2	3	7	4	5	1	1	6	2	5	5	4	2	4	2	4	5	70	opening
other vehicles			5		8		4	8	5	2	2	8	6	4	5	4		5	6	3	5	2	2	4	88	other vehicles
chain saw					1				4	2	2		3	2	2	1	3	2	1	2	1	2	2	4	34	chain saw
unclassifiable			9		12		16	4	10	18	12	7	18	11	4	5	4	3	9	4	3	4	1	3	157	unclassifiable
circular sawing machine			1		2		8	2	5	4	5	5	6	6	8	3	6	8	6	3	9	5	4	3	99	circular sawing machine
high/cold temperature environment			2		4		2	1	8	6	2	3	6	3	1	3	7	6	5	13	5	10	7	3	97	high/cold temperature environment
lumber, bamboo			4		2		3	8	2	8	1	3	4	5	4	3	4	5	3	5	3	1		3	71	lumber, bamboo
other powered conveying machines			3				1	3	1	3	1	3	2	1	2	2			1	1	4	1	3	3	35	other powered conveying machines
other hazards,			4		9		9	6	4	4	1		7	5	3	4	5	2	4	3	2	3	3	2	80	other hazards,

harmful substances																									harmful substances		
roof, beam, haze, crossbeam, principal rafter			7		3		5	5	4	3	6	4	2	4	10	2	5	2	1	3	3	3	4	2	78	roof, beam, haze, crossbeam, principal rafter	
harmful substance			1		5		5	3	5	5	4	5	3	1	3	2	1	3	4	3	3	2	1	2	61	harmful substance	
water			2		4		2	1	4	3	2		12	5	2	4			3	2	2	2	1	2	53	water	
conveyor			9		1		3	3	2		1	4		1	2		1	1	1		2	1	1	2	35	conveyor	
other woodworking machines			2				1	1		2	3	1	1	1	1	1	2	2	2	1	1	3	2	2	29	other woodworking machines	
scaffolding			1				1	3	1	3	1	3		1	1	1	1	4	1	1	1	1		2	27	scaffolding	
forklift					2					2	3	1		1		1			1	2				2	15	forklift	
human power cranes					1		2					1						1			1		4	2	12	human power cranes	
leveling, transporting or loading machine					1		3		2	1	1			1	1		2	1			3	1		3	1	21	leveling, transporting or loading machine
transmission			2				2			1					4		2		2	3		2	1		19	transmission	
elevator, lift			1		1		4		1		1	1	2		1	1	1					1	1		17	elevator, lift	
inflammable substance			3		1		1	2		1	1		3		1								2	1	16	inflammable substance	
other construction machines			1				1	1			1	1		1	3	1	1	1						1	13	other construction machines	
electric power facilities					1				1			1		1	1		1				1			1	8	electric power facilities	
abnormal environment									1			1	1		1	1		1	1					1	8	abnormal environment	



equipment			1					2			1		1	1				2	1	3	2		14	equipment
roll machine (except printingroll machine)			1				1	1			1	1	1						1	3	1		12	roll machine (except printingroll machine)
explosive substance					1		1	1	3		1		1			1	1	1			1		12	explosive substance
human power machine							2	1			1					1	1	2		1	1		11	human power machine
inflammable gas			1		1			1								4			1				8	inflammable gas
railway vehicle							1	1	1							1							7	railway vehicle
chemical facilities							2		1		1							1				2	7	chemical facilities
crane											1		1	1								1	6	crane
pressure vessel									1		2									1			6	pressure vessel
shearing machine									1	1	1		1									1	5	shearing machine
other powered crane											1		1	1		1						1	5	other powered crane
loader								2													1	1	5	loader
band sawing machine			1				1									1							3	band sawing machine
chamfering machine, router, woodworking milling machine			1																		1	1	3	chamfering machine, router, woodworking milling machine
excavating machine					1				1							1							3	excavating machine
other pressure vessels			1		1		1																3	other pressure vessels





50-59	138	147	168	182	176	208	213	234	262	243	228	236	238	255	252	264	278	274	287	306	323	332	448	389	6,081	50-59
40-49	149	128	151	153	152	170	190	178	206	197	192	203	213	176	178	196	195	212	225	225	268	259	312	270	4,798	40-49
30-39	111	152	133	113	148	170	173	157	183	166	177	167	143	154	157	133	121	163	153	128	152	149	223	157	3,683	30-39
20-29	128	137	148	141	123	122	195	141	134	166	100	115	100	101	107	87	110	84	109	117	119	151	228	139	3,102	20-29
19 years old or less	6	4	4	2	4	3	6	8	6	3	1	6	5	6	3	4	2		7	7	6	4	7	8	112	19 years old or less
total	699	717	760	737	738	837	942	882	962	965	907	900	888	914	937	912	948	991	1,092	1,090	1,200	1,307	1,728	1,441	23,494	total

Transition of workers' number of workplace of fatal and non-fatal accidents in 12 education/research service 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	200	179	188	208	183	208	213	227	224	231	214	227	204	208	218	242	243	248	281	272	301	300	469	339	5,827	10-29
30-49	103	124	123	123	127	142	140	124	149	156	139	141	124	152	141	163	140	135	194	200	218	254	350	276	3,938	30-49
50-99	92	114	113	99	113	109	121	119	137	135	127	97	122	120	135	109	139	125	141	144	188	214	291	241	3,345	50-99
300 workers or more	74	73	77	84	71	131	179	131	147	137	138	148	160	155	135	144	156	203	177	192	182	182	210	209	3,495	300 workers or more
9 workers or less	119	152	151	131	144	153	167	163	184	165	171	186	171	168	180	140	156	159	149	145	171	206	212	190	3,933	9 workers or less
100-299	111	75	108	92	100	94	122	118	121	141	118	101	107	111	128	114	114	121	150	137	140	151	196	186	2,956	100-299
total	699	717	760	737	738	837	942	882	962	965	907	900	888	914	937	912	948	991	1,092	1,090	1,200	1,307	1,728	1,441	23,494	total

Transition of occurred months of fatal and non-fatal accidents in 12 education/research service 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
January	58	65	67	61	60	69	98	83	94	85	83	86	86	98	76	76	98	110	90	107	92	101	178	157	2,178	January
June	63	71	55	74	81	77	93	85	91	86	93	86	88	78	80	88	89	103	109	107	118	161	152	139	2,267	June
September	65	60	73	61	62	79	89	78	91	101	74	83	70	73	75	88	68	93	104	81	108	117	138	127	2,058	September
December	42	48	61	39	55	63	64	54	57	62	58	54	60	68	68	71	60	52	87	77	88	160	100	122	1,670	December
February	66	55	59	47	77	72	80	78	64	95	64	67	81	88	105	101	83	78	103	100	91	87	114	120	1,975	February



April	48	58	63	44	55	86	73	64	76	83	82	72	76	75	83	64	105	66	101	84	90	94	194	120	1,956	April
May	62	82	82	63	67	63	71	89	94	85	78	96	80	81	91	82	90	82	73	113	96	69	160	119	2,068	May
March	63	49	43	59	38	67	72	55	72	66	70	68	85	63	60	70	80	65	73	81	79	83	129	117	1,707	March
July	69	63	68	78	62	65	115	67	92	80	95	86	54	81	71	88	79	83	85	93	107	122	133	114	2,050	July
October	57	63	60	79	69	69	77	81	80	88	71	70	80	71	88	63	77	89	94	86	135	115	137	114	2,013	October
November	44	55	72	66	54	88	68	81	74	74	80	68	64	73	91	70	67	90	89	78	105	107	108	106	1,872	November
August	62	48	57	66	58	39	42	67	77	60	59	64	64	65	49	51	52	80	84	83	91	91	185	86	1,680	August
total	699	717	760	737	738	837	942	882	962	965	907	900	888	914	937	912	948	991	1,092	1,090	1,200	1,307	1,728	1,441	23,494	total

Transition of prefectures of fatal and non-fatal accidents in 12 education/research service 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
Tokyo	69	59	95		67		82	59	90	93	80	94	104	92	90	88	83	115	114	109	99	117	136	114	2,049	Tokyo
Osaka	62	75	53		61		70	57	70	79	58	74	40	47	48	58	71	82	74	78	84	84	140	109	1,574	Osaka
Kanagawa	27	43	44		57		94	50	73	109	73	65	67	73	69	70	82	80	74	75	88	79	108	98	1,598	Kanagawa
Chiba	26	23	35		33		42	61	47	54	31	50	36	32	36	40	42	37	41	46	54	76	87	81	1,010	Chiba
Saitama	30	40	38		50		42	43	53	46	47	35	51	48	59	52	28	39	44	46	53	55	89	65	1,053	Saitama
Hokkaido	31	30	24		23		58	50	67	38	49	43	38	40	42	37	41	54	66	52	77	61	75	64	1,060	Hokkaido
Aichi	28	33	24		28		43	41	30	44	50	35	37	38	35	48	43	48	50	43	53	70	77	64	962	Aichi
Shizuoka	49	34	35		34		32	34	28	29	19	22	31	22	24	36	37	29	42	37	40	38	50	56	758	Shizuoka
Ibaraki	12	16	24		19		31	30	33	21	43	32	37	34	35	33	36	38	38	36	44	28	59	55	734	Ibaraki
Fukuoka	22	43	48		26		29	35	32	41	33	33	26	36	40	30	37	39	42	37	36	45	71	51	832	Fukuoka
Miyagi	18	18	20		9		9	18	17	12	16	21	26	35	29	17	19	10	17	29	23	35	54	43	495	Miyagi
Niigata	10	6	13		11		26	28	15	17	18	14	16	12	22	22	17	10	20	18	29	29	52	37	442	Niigata
Hyogo	23	19	19		28		43	42	49	60	41	36	42	44	29	23	37	26	38	37	47	47	72	36	838	Hyogo

Kumamoto	9	8	16		20		11	12	13	23	17	19	7	9	12	8	9	17	13	11	14	20	24	36	328	Kumamoto
Ishikawa	15	4	7		8		14	6	10	5	9	19	8	16	14	11	7	12	15	17	13	18	32	34	294	Ishikawa
Hiroshima	15	25	21		16		21	20	22	24	24	19	22	29	17	21	14	25	25	29	44	32	32	33	530	Hiroshima
Kagoshima	8	9	15		7		12	6	14	5	6	4	14	14	14	13	21	19	20	18	22	30	32	31	334	Kagoshima
Kyoto	24	23	21		16		29	28	41	28	14	32	25	26	29	19	33	18	27	35	27	29	27	30	581	Kyoto
Fukushima	13	16	8		10		17	14	13	9	18	11	10	12	18	15	11	10	9	16	16	16	28	26	316	Fukushima
Gunma	22	21	12		16		21	13	19	11	17	25	16	9	18	13	16	21	29	20	28	31	35	25	438	Gunma
Mie	13	6	7		5		10	17	10	21	18	12	19	17	14	21	12	16	24	36	23	29	35	23	388	Mie
Nagano	13	10	14		14		12	8	17	19	18	12	18	14	29	16	22	21	13	13	17	30	31	23	384	Nagano
Gifu	13	12	12		4		16	15	7	7	11	12	13	14	11	13	21	18	12	12	19	16	29	22	309	Gifu
Okayama	13	6	15		15		11	14	9	19	14	22	14	20	10	17	19	8	16	12	19	36	18	19	346	Okayama
Ehime	1	2	5		1		7	5	4	5	5	5	4	5	7	7	4	6	12	7	18	15	18	19	162	Ehime
Tochigi	7	14	14		14		20	12	15	14	11	17	23	15	16	18	22	17	19	24	19	24	29	17	381	Tochigi
Aomori	9	5	6		7		6	10	4	5	5	9	10	10	23	10	11	10	9	8	9	9	17	17	209	Aomori
Toyama	7	4	3		6		9	6	8	10	9	2	8	13	4	6	12	9	8	9	8	17	23	17	198	Toyama
Yamanashi	2	3	4		6		3	4	2	1	4	3	2	6	9	9	9	8	3	3	6	4	16	16	123	Yamanashi
Miyazaki	4	6	10		5		7	12	13	5	7	7	9	5	9	7	13	8	8	4	11	9	9	15	183	Miyazaki
Wakayama	5	12	3		8		9	5	7	6	11	7	7	6	2	3	4	8	7	6	9	6	11	15	157	Wakayama
Akita	12	5	3		8		6	6	8	8	11	6	3	5	9	5	11	8	4	13	12	17	23	14	197	Akita
Oita	5	10	11		12		6	11	14	7	3	7	5	3	8	5	6	6	11	7	5	9	10	13	174	Oita
Iwate	11	10	9		11		13	6	11	5	7	15	18	12	19	25	12	13	15	16	13	19	10	12	282	Iwate
Yamaguchi	9	7	3		8		3	9	10	11	10	8	10	15	11	14	9	14	11	11	8	9	20	11	221	Yamaguchi
Nagasaki	12	3	8		10		8	12	12	11	9	3	7	8	7	9	4	12	13	13	12	12	13	11	209	Nagasaki
Kagawa	5	7	8		5		8	4	7	11	8	5	8	5	6	7	6	12	9	17	13	16	10	11	188	Kagawa

Saga	6	3	1		2		4	7	5	6	11	10	6	4	6	8	6	3	9	16	13	6	13	10	155	Saga
Tokushima	5	9	4		8		6	4	5		10	4	4	9	1	2	2	6	9	11	8	7	13	10	137	Tokushima
Okinawa	6	1	4		5		5	6	6	7	4	6	6	8	5	4	11	13	22	5	11	12	20	9	176	Okinawa
Tottori	4	8	6		7		4	9	2	6	8	5	4	6	13	5	6	7	3	4	4	10	5	9	135	Tottori
Yamagata	6	6	3		12		12	12	9	4	8	6	12	7	14	4	12	9	12	13	13	7	17	7	205	Yamagata
Nara	1	5	8		10		6	6	9	8	9	6	3	10	5	11	6	8	9	8	10	7	16	7	168	Nara
Kochi	3	4	4		6		8	6	8	4	10	9	4	7	8	6	1	6	5	13	8	12	15	7	154	Kochi
Fukui	5	6	14		6		3	8	8	7	3	10	2	9	3	6	7	7	10	8	3	7	8	7	147	Fukui
Shiga	2	4	5		1		6	8	7	6	10	4	8	9	3	9	12	5	9	4	7	8	10	7	144	Shiga
Shimane	7	4	4		3		8	13	9	4	10	5	8	4	5	11	4	4	12	8	11	14	9	5	162	Shimane
total	699	717	760	737	738	837	942	882	962	965	907	900	888	914	937	912	948	991	1,092	1,090	1,200	1,307	1,728	1,441	23,494	total

Data Source : <https://anzeninfo.mhlw.go.jp/user/anzen/tok/anst00.html> MHLW, Jaan

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