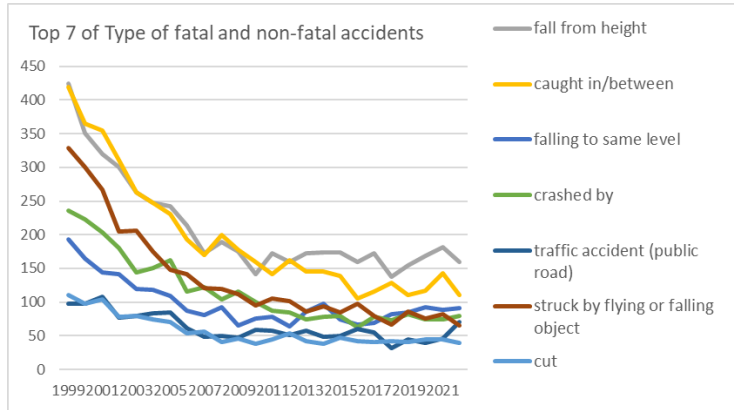
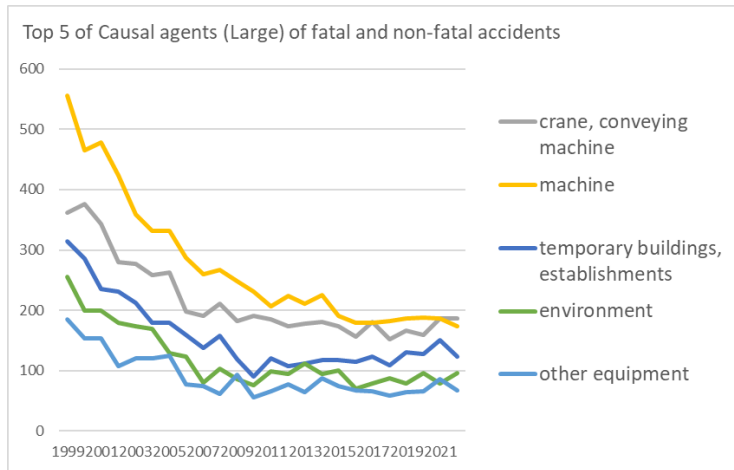


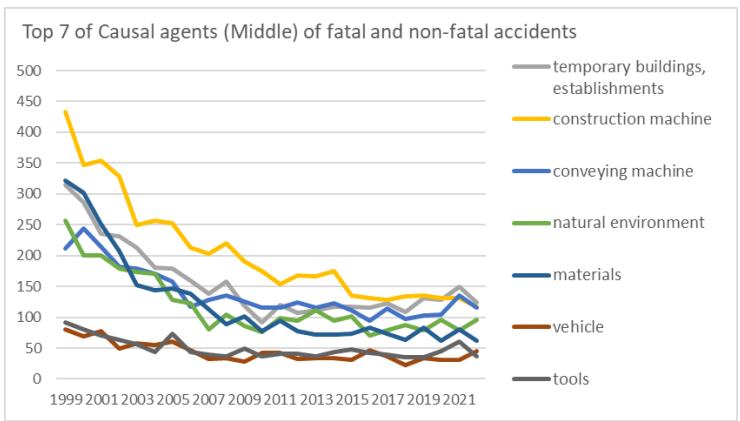
Transition of fatal and non-fatal accidents in 030106 road construction work in Japan (1999-2022)



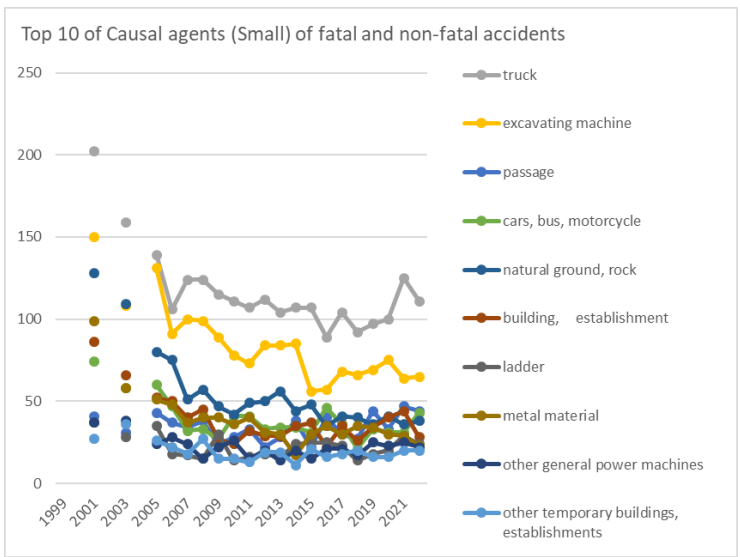
Transition of Top 7 of Type of fatal and non-fatal accidents in 030106 road construction work in Japan (1999-2022)



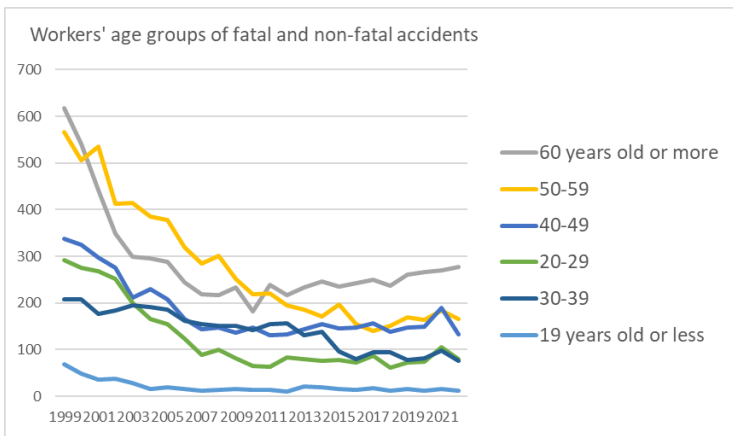
Transition of Top 5 of Causal agents (Large) of fatal and non-fatal accidents in 030106 road construction work in Japan (1999-2022)



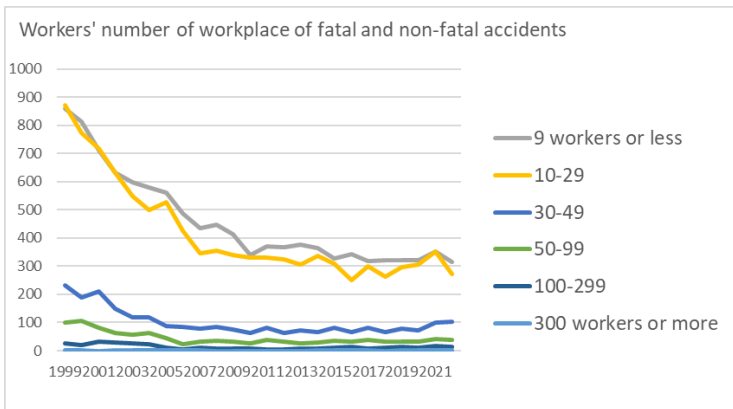
Transition of Top 7 of Causal agents (Middle) of fatal and non-fatal accidents in 030106 road construction work in Japan (1999-2022)



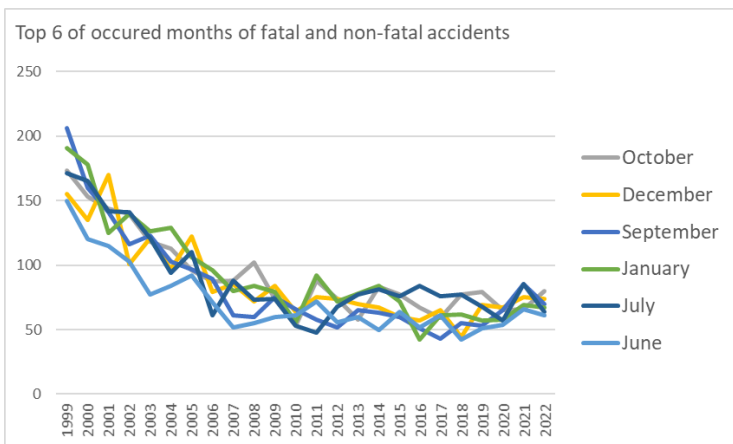
Transition of Top 10 of Causal agents (Small) of fatal and non-fatal accidents in 030106 road construction work in Japan (1999-2022)



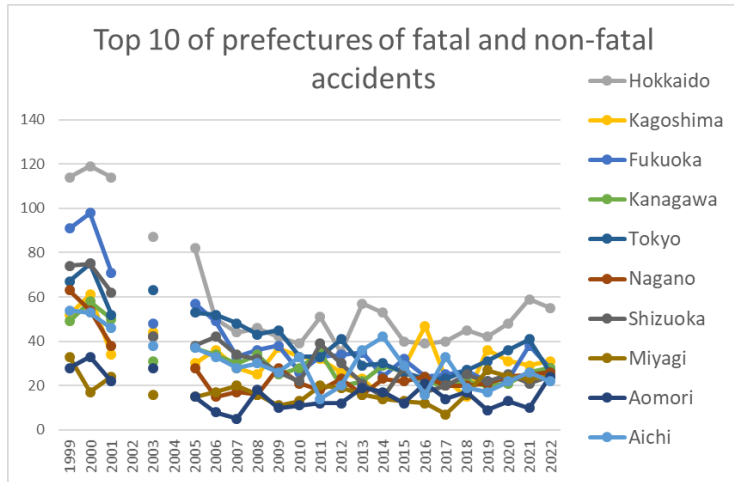
Transition of workers' age groups of fatal and non-fatal accidents in 030106 road construction work in Japan (1999-2022)



Transition of workers' number of workplace of fatal and non-fatal accidents in 030106 road construction work in Japan (1999-2022)



Transition of Top 6 of occurred months of fatal and non-fatal accidents in 030106 road construction work in Japan (1999-2022)



Transition of Top 10 of prefectures of fatal and non-fatal accidents in 030106 road construction work in Japan (1999-2022)

Transition of Type of fatal and non-fatal accidents in 030106 road 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
fall from height	424	351	320	301	263	247	242	214	172	189	175	141	172	159	172	174	174	160	172	138	154	168	182	159	5,023	fall from height
caught in/between	419	365	355	311	263	247	230	193	170	200	178	160	141	162	146	145	139	105	116	129	111	117	143	111	4,656	caught in/between
falling to same level	193	165	144	141	120	118	109	87	81	93	65	76	78	64	86	97	74	66	69	82	84	93	89	91	2,365	falling to same level
crashed by	236	223	204	180	144	150	162	115	122	104	115	100	87	84	74	78	79	63	78	73	82	74	74	80	2,781	crashed by
traffic accident (public road)	98	97	108	77	80	83	85	61	49	50	47	59	58	51	57	49	50	60	55	32	45	40	46	70	1,507	traffic accident (public road)
struck by flying or falling object	329	301	267	205	206	175	148	141	121	119	112	95	105	101	86	94	84	98	80	67	86	76	82	65	3,243	struck by flying or falling object
cut	111	98	104	78	80	74	71	53	56	41	46	38	44	54	42	38	47	42	41	42	41	45	44	39	1,369	cut

electric equipment	1		4		1	2	1		2		2		3		4		1	1	2	1		3	4	32	equipment	
hazards, harmful substances	13	19	17	14	8	10	8	8	6	2	4	2	6	7	3	1	1	5	4	5	7	3	1	2	156	hazards, harmful substances
mobile silviculture machine																3	2	5	1	1	3	2	2	19	mobile silviculture machine	
engine	1	2	1	3				1		1		2				1	1		1				1	15	engine	
pressure vessel	1				2	1		1		2					1	1			2	2			1	14	pressure vessel	
unclassifiable	2	4	2	1		10	1			1	2	2	1	2	2		1	1			1	1			34	unclassifiable
power transmission mechanism	1	2	4	1		2	1	2	2	1	3		1	1					1		1				23	power transmission mechanism
welding equipment	3	3			1	3	1				2					1							1		15	welding equipment
kiln, caldron		1	1		1						2				1				1						7	kiln, caldron
chemical facilities																										chemical facilities
total	2,087	1,905	1,754	1,508	1,350	1,282	1,233	1,029	902	930	868	768	821	794	792	806	767	709	744	695	743	747	862	743	24,839	total

Transition of Causal agents (Small) of fatal and non-fatal accidents in 030106 road 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
truck			202		159		139	106	124	124	115	111	107	112	104	107	107	89	104	92	97	100	125	111	2,335	truck
excavating machine			150		108		131	91	100	99	89	78	73	84	84	85	56	57	68	66	69	75	64	65	1,692	excavating machine
passage			41		31		43	37	34	38	24	28	33	22	28	38	22	40	30	27	44	33	47	44	684	passage

cars, bus, motorcycle			74		58		60	47	32	33	27	41	41	33	34	34	31	46	36	21	33	31	31	43	786	cars, bus, motorcycle
natural ground, rock			128		109		80	75	51	57	47	42	49	50	56	44	48	35	41	40	36	41	36	38	1,103	natural ground, rock
building, establishment			86		66		52	50	40	45	27	24	32	29	29	35	37	22	35	26	34	40	44	28	781	building, establishment
ladder			37		28		35	18	17	15	30	14	16	18	16	24	25	25	23	14	18	20	29	24	446	ladder
metal material			99		58		51	48	37	40	40	36	40	31	30	17	30	35	30	35	34	30	29	23	773	metal material
other general power machines			37		38		24	28	24	15	22	26	15	20	14	20	15	21	21	17	25	23	25	22	452	other general power machines
other temporary buildings, establishments			27		36		26	22	18	27	15	15	13	19	19	11	21	16	18	20	16	16	20	20	395	other temporary buildings, establishments
other environments			16		16		12	5	6	10	4	4	9	14	20	17	15	5	14	8	14	15	12	20	236	other environments
high/cold temperature environment			16		7		5	11	5	12	3	15	6	9	13	10	13	14	7	18	13	18	14	20	229	high/cold temperature environment
leveling, transporting or loading machine			62		49		35	41	26	32	24	25	23	24	32	25	31	18	24	27	18	14	25	19	574	leveling, transporting or loading machine
mobile crane			47		34		36	25	26	33	23	32	24	15	27	20	26	17	25	31	24	19	15	19	518	mobile crane
other construction machines			55		43		39	29	32	35	28	25	28	23	23	27	17	20	14	10	24	14	18	17	521	other construction machines
other materials			53		33		29	35	32	26	24	19	22	16	15	22	15	17	19	14	16	9	18	17	451	other materials
standing tree			37		37		30	30	18	24	32	14	28	21	22	23	24	16	16	22	14	21	14	16	459	standing tree
hand tool			54		41		35	25	24	18	24	12	17	24	15	24	16	12	13	15	22	15	14	15	435	hand tool

no causal agent			16		10		13	10	12	12	12	19	20	10	16	11	12	11	17	16	10	17	22	14	280	no causal agent
stone, sand, substance			69		40		42	37	23	17	19	11	17	20	18	25	13	22	10	10	20	12	19	13	457	stone, sand, substance
load			39		25		25	21	20	18	13	16	12	16	10	13	18	12	15	14	11	18	20	13	349	load
chain saw			18		21		11	9	3	9	12	9	14	9	6	6	9	7	4	6	8	13	8	12	194	chain saw
stairs, landing stage			4		5		8	10	6	9	6	5	11	12	10	2	8	8	9	7	8	10	5	11	154	stairs, landing stage
hardening machine			63		34		33	32	32	37	30	37	22	22	19	27	23	27	16	21	18	21	17	10	541	hardening machine
working platform, boot board			27		31		18	9	13	16	24	8	14	14	12	17	10	9	15	15	16	15	11	10	304	working platform, boot board
lumber, bamboo			30		21		25	18	21	6	18	11	15	11	9	8	15	9	15	4	13	11	14	9	283	lumber, bamboo
other tools			22		15		23	12	9	15	11	11	16	11	10	9	11	9	6	11	9	11	16	9	246	other tools
circular sawing machine			37		31		24	17	16	8	10	7	8	12	12	12	10	10	7	5	8	7	5	7	253	circular sawing machine
other equipment, facilities			14		11		11	5	8	4	6	3	3	7	8	10	6	10	8	3	3	4	3	6	133	other equipment, facilities
crane			3		3		5	5	3	7	5	2	3	2	2	4	4		6		4	5	4	5	72	crane
slinging tool			12		14		15	13	13	6	9	12	9	12	11	10	12	8	11	10	8	14	15	4	218	slinging tool
scaffolding			36		24		15	14	13	15	12	5	8	5	6	8	8	7	11	6	6	5	7	4	215	scaffolding
other causal agent			11		8		7	7	3	3	3	3	6	1	4	3	2	4	5	5	1	5	45	4	130	other causal agent
grinding machine, buffing machine			6		6		7	5	7	5	4	2	4	9	5	6	7	4	5	9	5	6	7	4	113	grinding machine, buffing machine
opening			1		4		8	6	5	2	3	1	3	2	3	4	5	6	2	3	3	6	4	4	75	opening
other metal manufacturing machines			7		6		4	6	3	2	5	2	4	3	1	2	6	1	2	4	2	2	4	4	70	other metal manufacturing machines

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
9 workers or less	858	814	711	632	598	578	562	488	435	447	412	340	370	366	376	364	326	344	317	322	320	321	351	316	10,968	9 workers or less
10-29	871	772	719	632	550	498	526	426	346	356	341	331	329	325	307	337	310	252	299	263	297	306	351	271	10,015	10-29
30-49	232	190	211	150	117	119	87	84	77	84	74	64	80	64	73	66	82	66	81	67	78	72	101	103	2,422	30-49
50-99	99	105	81	62	58	63	45	23	32	36	33	26	38	33	27	30	35	33	38	32	33	33	40	39	1,074	50-99
100-299	26	21	32	30	26	22	12	6	11	7	8	7	4	6	9	8	12	13	8	11	13	12	18	13	335	100-299
300 workers or more	1	3		2	1	2	1	2	1							1	2	1	1		2	3	1	1	25	300 workers or more
total	2,087	1,905	1,754	1,508	1,350	1,282	1,233	1,029	902	930	868	768	821	794	792	806	767	709	744	695	743	747	862	743	24,839	total

Transition of occurred months of fatal and non-fatal accidents in 030106 road 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
October	173	153	144	140	118	113	96	87	88	102	74	53	88	74	58	83	77	67	59	77	79	65	66	80	2,214	October
December	155	135	170	101	121	97	122	79	85	72	84	64	75	74	70	67	60	57	65	44	69	67	75	74	2,082	December
September	206	160	141	116	123	103	97	89	61	60	75	66	58	52	65	63	60	51	43	55	53	65	85	70	2,017	September
January	191	178	125	140	126	129	106	96	80	84	79	56	92	72	78	84	72	42	61	62	57	58	69	67	2,204	January
July	171	165	142	141	121	94	110	61	88	73	74	53	48	68	77	81	76	84	76	77	68	57	85	64	2,154	July
June	150	120	115	103	77	84	92	71	52	55	60	61	72	56	60	50	64	52	61	42	51	54	66	61	1,729	June
March	196	199	217	162	162	144	135	95	102	104	88	96	81	91	70	76	56	65	58	57	74	63	72	60	2,523	March
February	214	223	157	149	135	162	121	119	100	122	89	88	65	84	63	79	71	82	68	71	63	71	77	59	2,532	February
May	149	138	99	99	70	74	67	77	52	54	62	55	43	60	53	61	44	51	66	45	50	54	60	55	1,638	May
August	160	149	148	115	99	79	87	95	60	67	59	71	70	53	64	56	70	57	62	53	69	70	83	54	1,950	August
November	187	164	155	138	115	118	121	90	83	84	68	69	82	58	76	54	67	56	67	73	74	72	63	51	2,185	November
April	135	121	141	104	83	85	79	70	51	53	56	36	47	52	58	52	50	45	58	39	36	51	61	48	1,611	April
total	2,087	1,905	1,754	1,508	1,350	1,282	1,233	1,029	902	930	868	768	821	794	792	806	767	709	744	695	743	747	862	743	24,839	total

Transition of prefectures of fatal and non-fatal accidents in 030106 road 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	114	119	114		87		82	50	44	46	42	39	51	35	57	53	40	39	40	45	42	48	59	55	1,301	Hokkaido
Kagoshima	52	61	34		44		30	36	28	25	37	33	32	26	23	15	28	47	23	15	36	31	29	31	716	Kagoshima
Fukuoka	91	98	71		48		57	49	33	36	38	26	33	34	35	24	32	24	25	27	22	23	38	28	892	Fukuoka
Kanagawa	49	58	50		31		37	34	30	34	25	28	35	20	22	29	26	22	20	22	20	21	26	28	667	Kanagawa
Tokyo	67	75	52		63		53	52	48	43	45	33	33	41	29	30	26	23	23	27	31	36	41	26	897	Tokyo
Nagano	63	54	38		42		28	15	17	16	28	21	18	23	16	23	22	24	20	20	21	24	25	26	584	Nagano
Shizuoka	74	75	62		42		38	42	34	32	26	22	39	30	21	15	28	17	20	25	22	25	21	24	734	Shizuoka
Miyagi	33	17	24		16		15	17	20	16	11	13	20	19	16	14	13	12	7	16	27	24	23	24	397	Miyagi
Aomori	28	33	22		28		15	8	5	18	10	11	12	12	19	17	12	21	14	17	9	13	10	24	358	Aomori
Aichi	54	53	46		38		37	33	28	30	26	33	14	20	36	42	29	16	33	19	17	22	26	22	674	Aichi
Fukushima	29	35	30		21		25	24	21	36	31	27	26	26	17	30	25	20	28	11	14	18	21	22	537	Fukushima
Ehime	88	89	74		44		41	38	27	19	23	18	11	16	21	13	12	17	18	26	15	15	22	20	667	Ehime
Tokushima	50	43	59		26		35	34	29	22	24	16	23	14	16	17	12	16	27	12	18	24	14	19	550	Tokushima
Kumamoto	40	39	42		38		32	24	23	16	30	24	17	19	21	13	14	23	28	19	21	24	20	19	546	Kumamoto
Gunma	48	30	39		16		12	16	14	15	19	20	12	11	14	10	8	14	19	19	8	8	13	19	384	Gunma
Akita	28	14	16		14		16	16	9	23	17	13	15	9	8	15	20	12	11	10	16	19	11	19	331	Akita
Kochi	83	56	49		30		35	33	27	20	17	16	25	18	30	16	30	26	28	13	23	24	23	18	640	Kochi
Miyazaki	44	54	51		15		23	36	26	30	17	20	11	18	17	16	14	16	17	12	28	30	26	18	539	Miyazaki
Tochigi	36	36	18		10		19	8	7	13	16	11	10	10	9	7	9	7	5	3	8	10	8	18	278	Tochigi
Saitama	50	42	49		44		47	32	27	41	34	22	23	27	17	35	25	13	24	21	21	24	25	17	660	Saitama
Hyogo	58	39	40		45		44	34	30	19	22	17	24	31	16	16	19	19	11	14	12	14	17	16	557	Hyogo

Yamaguchi	41	44	35		22		26	14	23	8	20	18	17	22	13	7	14	16	11	12	16	7	20	16	422	Yamaguchi
Iwate	37	37	30		18		13	12	14	14	15	11	13	14	16	18	14	9	21	26	28	19	26	15	420	Iwate
Shimane	27	29	32		24		31	14	19	19	17	17	16	7	14	13	11	8	14	9	14	15	22	15	387	Shimane
Nagasaki	40	45	47		24		23	23	13	8	13	16	7	13	9	13	8	10	10	11	5	12	9	15	374	Nagasaki
Oita	50	41	28		28		29	16	14	15	9	13	18	11	12	15	17	16	19	20	14	16	21	13	435	Oita
Kagawa	22	13	7		15		13	13	5	12	5	9	2	8	6	4	5	4	7	5	8	10	11	13	197	Kagawa
Gifu	77	51	49		60		22	26	20	24	16	20	11	15	16	11	13	17	17	20	16	27	22	12	562	Gifu
Chiba	39	29	33		22		32	22	23	31	19	19	22	12	21	26	23	23	13	22	18	13	24	12	498	Chiba
Mie	51	32	36		22		23	12	21	12	9	9	15	25	20	21	19	18	17	23	17	3	12	12	429	Mie
Saga	15	27	19		12		11	12	3	9	3	13	12	10	10	14	14	10	15	4	7	8	9	12	249	Saga
Okayama	63	49	51		33		28	23	13	17	15	17	11	15	23	18	12	10	8	9	16	6	11	11	459	Okayama
Niigata	39	29	35		19		47	26	22	20	22	16	20	20	19	12	12	10	9	16	13	8	13	11	438	Niigata
Hiroshima	57	65	66		44		30	31	32	25	23	13	20	21	15	14	15	11	20	18	21	17	18	10	586	Hiroshima
Wakayama	60	46	35		43		33	35	26	27	24	18	21	26	27	21	26	26	12	12	17	15	17	10	577	Wakayama
Nara	34	16	20		23		19	17	14	16	12	9	7	10	9	14	7	6	5	5	7	6	7	10	273	Nara
Shiga	12	16	10		16		10	4	10	11	6	3	7	3	1	4	7	2	2	3	3	4	16	9	159	Shiga
Ibaraki	41	22	21		22		29	10	15	20	19	20	15	17	17	16	17	17	24	18	6	19	15	8	408	Ibaraki
Fukui	30	25	36		16		7	9	8	13	6	6	17	11	11	12	10	2	5	6	5	5	8	8	256	Fukui
Kyoto	32	19	19		19		12	10	8	7	10	3	14	11	13	12	13	10	12	12	10	7	9	7	269	Kyoto
Osaka	38	26	50		35		19	14	25	30	13	10	13	14	16	21	14	15	14	16	10	14	13	6	426	Osaka
Yamagata	25	34	26		20		7	9	14	7	6	11	11	6	7	18	13	9	15	10	11	3	13	6	281	Yamagata
Yamanashi	17	29	24		21		15	7	12	12	10	9	10	11	12	20	12	9	7	6	18	5	12	5	283	Yamanashi
Toyama	25	22	31		11		11	10	12	9	18	7	7	18	5	15	5	5	9	4	11	10	13	5	263	Toyama
Ishikawa	19	21	19		22		9	15	4	6	12	9	15	9	11	10	4	7	5	6	12	5	9	3	232	Ishikawa

Tottori	9	8	11		13		10	11	4	6	6	6	12	5	7	2	9	10	11	6	6	10	9	3	174	Tottori
Okinawa	8	10	4		4		3	3	1	2	2	3	4	1	2	5	9	1	1	3	3	6	5	3	83	Okinawa
total	2,087	1,905	1,754	1,508	1,350	1,282	1,233	1,029	902	930	868	768	821	794	792	806	767	709	744	695	743	747	862	743	24,839	total

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

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