

Fatal and non-fatal accidents in road construction work in Japan in 1999-2022

road construction work industry Code No.030106

Type of accidents in road construction work in 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
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
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
crash	77	87	70	51	53	49	58	47	37	40	34	24	30	36	38	38	28	16	33	27	37	35	42	26	1,013
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
collapse	85	85	70	68	54	57	48	50	37	33	41	21	27	25	18	32	24	21	32	27	24	26	35	25	965
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
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
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
injury to the sole of the foot	6	6	4	1	7	1	6	4		1	3	2	4	2		1	2	2	3	3	4	1	3	2	68
drown	1				2			3			1		4					1	1	1	1			1	16
contact to high/low-temperature	21	34	29	27	15	16	16	19	13	17	16	18	11	14	17	15	19	20	11	25	21	22	19	25	460

contact to harmful substance	5	3	8	4	4	3	4	3	1	1	1	2	2	2	2	4		6	1	4	3	1	1	1	66
electric shock		1												1	4	2				1	1		1	1	12
explosion	2		3	1		2		1	1	1	1	1		4					1					2	20
burst	1	3	2	1			2		1			1			1	1		3	1						17
fire	1	3	2	1	2	3	3	1			1		2		2		1			1	2		1	1	27
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 (others)	4	4	1	1			1			1			1	1		2		1	1				1		19
reaction to motion/improper motion	68	71	55	52	53	43	43	30	37	35	27	28	41	30	37	31	37	41	41	38	40	39	53	36	1,006
others	4	7	8	7	4	12	5	5	4	4	3	2	14	3	6	5	8	4	7	4	5	9	46	8	184
unclassifiable	2	1		1		2		2		1	2			1	4		1		1	1	2	1			22
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

Causal agents (large) of fatal and non-fatal accidents in road construction work in 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
machine	555	465	478	424	359	331	332	287	260	267	249	231	207	224	211	226	191	180	179	182	186	188	187	174	6,573
crane, conveying	362	376	343	280	277	259	262	198	191	211	183	191	185	174	178	181	174	157	181	152	166	160	187	186	5,214

machine																									
other equipment	185	154	154	107	121	120	125	77	75	61	93	56	66	77	64	87	75	67	66	59	65	66	86	67	2,173
temporary buildings, establishments	314	286	235	231	213	180	179	159	138	158	119	91	120	107	112	117	117	115	123	109	131	128	150	124	3,756
substance, material	334	321	268	222	160	154	155	146	119	91	105	79	100	85	75	73	74	88	78	68	90	65	81	64	3,095
load	41	55	47	37	29	32	30	22	23	22	16	20	17	19	18	13	20	16	16	16	14	21	25	14	583
environment	256	200	200	179	173	170	129	123	81	104	86	76	99	95	112	95	101	70	79	88	79	96	79	96	2,866
others	40	48	29	28	18	36	21	17	15	16	17	24	27	13	22	14	15	16	22	21	12	23	67	18	579
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

Causal agents (middle) of fatal and non-fatal accidents in road construction work in 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
engine	1	2	1	3				1		1		2					1	1		1				1	15
power transmission mechanism	1	2	4	1		2	1	2	2	1	3		1	1						1		1			23
woodworking machine	56	47	61	43	55	35	41	29	20	20	22	20	26	23	22	20	20	20	16	13	16	21	17	20	683
construction machine	433	347	354	328	249	256	252	213	203	220	190	175	154	168	166	175	135	131	128	134	136	131	131	117	4,926

metal manufacturing machine	21	20	15	16	14	7	12	12	10	9	9	4	8	12	6	8	14	5	7	13	7	9	12	8	258
general machine	43	47	43	33	41	31	26	30	25	16	25	30	18	20	17	23	18	21	23	19	26	23	25	26	649
mobile silviculture machine																	3	2	5	1	1	3	2	2	19
crane	71	63	52	49	40	33	43	34	29	41	30	34	27	17	29	24	31	17	31	32	29	24	20	25	825
conveying machine	211	244	214	182	179	171	158	117	129	136	125	115	116	124	115	123	112	94	114	98	103	105	136	116	3,337
vehicle	80	69	77	49	58	55	61	47	33	34	28	42	42	33	34	34	31	46	36	22	34	31	31	45	1,052
pressure vessel	1				2	1		1		2						1	1			2	2			1	14
chemical facilities																									
welding equipment	3	3			1	3	1				2						1						1		15
kiln, caldron		1	1		1						2				1				1						7
electric equipment	1		4		1	2	1		2		2			3		4		1	1	2	1		3	4	32
human power machine, tools	77	61	64	37	48	58	39	28	26	19	31	16	22	26	18	29	19	14	16	17	24	17	19	19	744
tools	91	81	71	63	57	44	73	43	39	36	50	37	41	41	37	43	48	42	40	35	35	45	60	37	1,189
other equipments, facilities	12	8	14	7	11	12	11	5	8	4	6	3	3	7	8	10	6	10	8	3	3	4	3	6	172
temporary buildings,	314	286	235	231	213	180	179	159	138	158	119	91	120	107	112	117	117	115	123	109	131	128	150	124	3,756

wood planer machine			1		1																			1		4	
hollow chisel mortiser, wood borer										1																	1
chamfering machine, router, woodworking milling machine																	1										1
chain saw			18		21		11	9	3	9	12	9	14	9	6	6	9	7	4	6	8	13	8	12		194	
other woodworking machines			5		2		6	3		2		4	4	2	2	2	1	2	5	2		1	3	1		47	
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	
excavating machine			150		108		131	91	100	99	89	78	73	84	84	85	56	57	68	66	69	75	64	65		1,692	
foundation work machine			8		3		3	10	4	2	3	1	1	3	3	3	2	3	4	6	2	2	1	2		66	
hardening machine			63		34		33	32	32	37	30	37	22	22	19	27	23	27	16	21	18	21	17	10		541	
demolition machine			14		10		9	9	9	11	15	9	7	11	5	6	5	6	2	3	5	3	4	2		145	
vehicle for high lift work			2		2		2	1		4	1			1		2	1			1		2	2	2		23	
other construction			55		43		39	29	32	35	28	25	28	23	23	27	17	20	14	10	24	14	18	17		521	

equipment				1																			1	
other welding equipment																						1	1	
kiln, caldron			1							1			1				1						4	
industrial dryer																								
other kiln, caldron				1						1													2	
transmission								1						1			1	1			1	3	8	
electric power facilities			1			1								1				1				1	5	
other electrical equipment			3	1				1	2			3		2		1			1		1	1	16	
human power cranes				1						3		1		1	1					1		2	10	
human power hauling equipment			5	4		3	1	2	1	2	2	3	2	1	2	1	2	2	1	1	2	3	3	43
human power machine			5	2		1	2			2	2	1		1	2	2		1	1				1	23
hand tool			54	41		35	25	24	18	24	12	17	24	15	24	16	12	13	15	22	15	14	15	435
ladder			37	28		35	18	17	15	30	14	16	18	16	24	25	25	23	14	18	20	29	24	446
slinging tool			12	14		15	13	13	6	9	12	9	12	11	10	12	8	11	10	8	14	15	4	218
other tools			22	15		23	12	9	15	11	11	16	11	10	9	11	9	6	11	9	11	16	9	246
other equipment,			14	11		11	5	8	4	6	3	3	7	8	10	6	10	8	3	3	4	3	6	133

harmful substances			6		3		1		2	1	3		2	3	2	1	1	2	3	2	4	1	1		38
metal material			99		58		51	48	37	40	40	36	40	31	30	17	30	35	30	35	34	30	29	23	773
lumber, bamboo			30		21		25	18	21	6	18	11	15	11	9	8	15	9	15	4	13	11	14	9	283
stone, sand, substance			69		40		42	37	23	17	19	11	17	20	18	25	13	22	10	10	20	12	19	13	457
other materials			53		33		29	35	32	26	24	19	22	16	15	22	15	17	19	14	16	9	18	17	451
load			39		25		25	21	20	18	13	16	12	16	10	13	18	12	15	14	11	18	20	13	349
machine/equipment as load			8		4		5	1	3	4	3	4	5	3	8		2	4	1	2	3	3	5	1	69
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
standing tree			37		37		30	30	18	24	32	14	28	21	22	23	24	16	16	22	14	21	14	16	459
water			1		3		1	2				1	7			1			1		1	1	3	2	24
abnormal environment			2		1		1		1	1				1	1		1				1				10
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
other environments			16		16		12	5	6	10	4	4	9	14	20	17	15	5	14	8	14	15	12	20	236
other causal agent			11		8		7	7	3	3	3	3	6	1	4	3	2	4	5	5	1	5	45	4	130
no causal agent			16		10		13	10	12	12	12	19	20	10	16	11	12	11	17	16	10	17	22	14	280
unclassifiable			2				1			1	2	2	1	2	2		1	1			1	1			17

300 workers or more	1	3		2	1	2	1	2	1							1	2	1	1		2	3	1	1	25
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

Month of fatal and non-fatal accidents in road construction work in 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
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
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
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
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
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
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
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
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
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
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
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
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
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

Prefecture of fatal and non-fatal accidents in road construction work in 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
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
Aomori	28	33	22		28		15	8	5	18	10	11	12	12	19	17	12	21	14	17	9	13	10	24	358
Iwate	37	37	30		18		13	12	14	14	15	11	13	14	16	18	14	9	21	26	28	19	26	15	420
Miyagi	33	17	24		16		15	17	20	16	11	13	20	19	16	14	13	12	7	16	27	24	23	24	397
Akita	28	14	16		14		16	16	9	23	17	13	15	9	8	15	20	12	11	10	16	19	11	19	331
Yamagata	25	34	26		20		7	9	14	7	6	11	11	6	7	18	13	9	15	10	11	3	13	6	281
Fukushima	29	35	30		21		25	24	21	36	31	27	26	26	17	30	25	20	28	11	14	18	21	22	537
Ibaraki	41	22	21		22		29	10	15	20	19	20	15	17	17	16	17	17	24	18	6	19	15	8	408
Tochigi	36	36	18		10		19	8	7	13	16	11	10	10	9	7	9	7	5	3	8	10	8	18	278
Gunma	48	30	39		16		12	16	14	15	19	20	12	11	14	10	8	14	19	19	8	8	13	19	384
Saitama	50	42	49		44		47	32	27	41	34	22	23	27	17	35	25	13	24	21	21	24	25	17	660
Chiba	39	29	33		22		32	22	23	31	19	19	22	12	21	26	23	23	13	22	18	13	24	12	498
Tokyo	67	75	52		63		53	52	48	43	45	33	33	41	29	30	26	23	23	27	31	36	41	26	897
Kanagawa	49	58	50		31		37	34	30	34	25	28	35	20	22	29	26	22	20	22	20	21	26	28	667
Niigata	39	29	35		19		47	26	22	20	22	16	20	20	19	12	12	10	9	16	13	8	13	11	438
Toyama	25	22	31		11		11	10	12	9	18	7	7	18	5	15	5	5	9	4	11	10	13	5	263
Ishikawa	19	21	19		22		9	15	4	6	12	9	15	9	11	10	4	7	5	6	12	5	9	3	232
Fukui	30	25	36		16		7	9	8	13	6	6	17	11	11	12	10	2	5	6	5	5	8	8	256
Yamanashi	17	29	24		21		15	7	12	12	10	9	10	11	12	20	12	9	7	6	18	5	12	5	283
Nagano	63	54	38		42		28	15	17	16	28	21	18	23	16	23	22	24	20	20	21	24	25	26	584

Gifu	77	51	49		60		22	26	20	24	16	20	11	15	16	11	13	17	17	20	16	27	22	12	562
Shizuoka	74	75	62		42		38	42	34	32	26	22	39	30	21	15	28	17	20	25	22	25	21	24	734
Aichi	54	53	46		38		37	33	28	30	26	33	14	20	36	42	29	16	33	19	17	22	26	22	674
Mie	51	32	36		22		23	12	21	12	9	9	15	25	20	21	19	18	17	23	17	3	12	12	429
Shiga	12	16	10		16		10	4	10	11	6	3	7	3	1	4	7	2	2	3	3	4	16	9	159
Kyoto	32	19	19		19		12	10	8	7	10	3	14	11	13	12	13	10	12	12	10	7	9	7	269
Osaka	38	26	50		35		19	14	25	30	13	10	13	14	16	21	14	15	14	16	10	14	13	6	426
Hyogo	58	39	40		45		44	34	30	19	22	17	24	31	16	16	19	19	11	14	12	14	17	16	557
Nara	34	16	20		23		19	17	14	16	12	9	7	10	9	14	7	6	5	5	7	6	7	10	273
Wakayama	60	46	35		43		33	35	26	27	24	18	21	26	27	21	26	26	12	12	17	15	17	10	577
Tottori	9	8	11		13		10	11	4	6	6	6	12	5	7	2	9	10	11	6	6	10	9	3	174
Shimane	27	29	32		24		31	14	19	19	17	17	16	7	14	13	11	8	14	9	14	15	22	15	387
Okayama	63	49	51		33		28	23	13	17	15	17	11	15	23	18	12	10	8	9	16	6	11	11	459
Hiroshima	57	65	66		44		30	31	32	25	23	13	20	21	15	14	15	11	20	18	21	17	18	10	586
Yamaguchi	41	44	35		22		26	14	23	8	20	18	17	22	13	7	14	16	11	12	16	7	20	16	422
Tokushima	50	43	59		26		35	34	29	22	24	16	23	14	16	17	12	16	27	12	18	24	14	19	550
Kagawa	22	13	7		15		13	13	5	12	5	9	2	8	6	4	5	4	7	5	8	10	11	13	197
Ehime	88	89	74		44		41	38	27	19	23	18	11	16	21	13	12	17	18	26	15	15	22	20	667
Kochi	83	56	49		30		35	33	27	20	17	16	25	18	30	16	30	26	28	13	23	24	23	18	640
Fukuoka	91	98	71		48		57	49	33	36	38	26	33	34	35	24	32	24	25	27	22	23	38	28	892
Saga	15	27	19		12		11	12	3	9	3	13	12	10	10	14	14	10	15	4	7	8	9	12	249

Nagasaki	40	45	47		24		23	23	13	8	13	16	7	13	9	13	8	10	10	11	5	12	9	15	374
Kumamoto	40	39	42		38		32	24	23	16	30	24	17	19	21	13	14	23	28	19	21	24	20	19	546
Oita	50	41	28		28		29	16	14	15	9	13	18	11	12	15	17	16	19	20	14	16	21	13	435
Miyazaki	44	54	51		15		23	36	26	30	17	20	11	18	17	16	14	16	17	12	28	30	26	18	539
Kagoshima	52	61	34		44		30	36	28	25	37	33	32	26	23	15	28	47	23	15	36	31	29	31	716
Okinawa	8	10	4		4		3	3	1	2	2	3	4	1	2	5	9	1	1	3	3	6	5	3	83
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

Fatal and non-fatal accidents mean fatal and non-fatal injuries and occupational diseases with work absence of 4 days and more.

Data of 2022 year do not include Covid-19 cases. Data of 2020 & 2021 year include Covid-19 cases. Fatal and non-fatal data are same situation.

Data of 2011 year include fatal and non-fatal accidents caused by Great East Japan Earthquake in 2011.

Data sources: <https://anzeninfo.mhlw.go.jp/user/anzen/tok/anst00.html> (MHLW, Japan)

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Fatal accidents in road construction work in Japan in 1999-2022

road construction work industry Code No.030106

Type of fatal accidents in road construction work in 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
fall from height	32	16	18	20	21	13	19	12	8	7	3	10	10	12	10	5	4	7	4	8	6	5	3	4	257

falling to same level	4	4	1	3	3		1	3	1		1	1	1		4	1	2	1	1	1	1			1	35
crash			1	1	1				1						1	1								1	7
struck by flying or falling object	9	7	3	3	3	5	3	2	3	2	1	2	2		2	3	2	2	2	1	2		1	60	
collapse	7	11	8	10	5	7	5	7	2	2	4	3	2	1	9	3	1	3	4	1	2	3	2	1	103
crashed by	7	12	6	11	6	2	10	7	6	3	4	3	3	7	5	5	3	1	2	1	1	2	1	2	110
caught in/between	23	16	22	12	14	11	11	3	9	11	6	5	4	9	2	7	6	3	4	4	3	5	2	3	195
cut							1		1			1	1						1					5	
injury to the sole of the foot																									
drown		1		1	2			1			1		4					1	1	1				1	14
contact to high/low-temperature	1	2	4			1				1		1		4		1		1			1	1	1	2	21
contact to harmful substance						1							1												2
electric shock																									
explosion																									
burst							1																		1
fire	1		1					1							1										4
traffic accident (public road)	8	15	18	10	8	12	10	8	7	3	6	2	1	2	6	4	3	8	6	2	3	2	5	3	152
traffic accident (others)				1			1												1						3

Workers age of fatal accidents in road construction work in 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	
19 years old or less		1	2		2		1		1					1	3											11
20-29	3	7	9	10	7	2	7	5	5	2	2	2	2	3	2	1	1	2	6		2	1	1	3	85	
30-39	7	3	7	5	6	7	5	9	5	1	3	5	1	5	6	5	1	5	2	5	2	2	1		98	
40-49	20	14	8	9	9	8	9	6	5	9	2	1	8	6	5	3	3	3	3	1	1	6	5	4	148	
50-59	26	21	31	24	26	19	27	16	7	12	8	10	8	10	6	12	7	6	5	2	6	3	1	2	295	
60 years old or more	36	38	25	24	13	17	14	8	15	6	11	10	14	11	19	9	9	11	10	12	9	6	9	8	344	
total	92	84	82	72	63	53	63	44	38	30	26	28	33	36	41	30	21	27	26	20	20	18	17	17	981	

Workers' number of workplace of fatal accidents in road construction work in 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
9 workers or less	27	27	32	24	14	23	28	23	15	7	11	11	12	17	10	9	9	11	8	9	8	8	3	12	358
10-29	35	33	28	29	33	23	25	14	17	15	7	13	10	14	20	15	9	13	11	6	8	9	8	1	396
30-49	21	12	11	11	14	2	6	6	4	6	7	3	9	2	1	4	2	2	5	4	3	1	2	2	140
50-99	6	9	6	6	2	4	2	1	2	1	1	1	2	3	4	2	1	1	2	1	1		2	1	61
100-299	3	3	4	2		1	1			1					6								2	1	24
300 workers or more			1				1																		2
total	92	84	82	72	63	53	63	44	38	30	26	28	33	36	41	30	21	27	26	20	20	18	17	17	981

Iwate	1	3	1	2	3	1	2		1	2	1		3		1	2	1			2	2		1		29
Miyagi	4	1	2	1				1	1			1	5	2				2	1			1		1	23
Akita	3		2			2	2		1	1					5	1			1					1	19
Yamagata	4	1	2				1			1	1			1	1	2					1				15
Fukushima	1	1	3	3	2		4	2			5	1	1	1	3	1	1	2	2						33
Ibaraki			2	1		2	2	1	1	1				2	2	1		2				1		2	20
Tochigi	2	6	1	1		1	2	1				1										1		2	18
Gunma		1	1				1		1	1													2		7
Saitama	3	2	3	3	3	2	3		1				1		2				3	1	1		1		29
Chiba	1	2	2		1	1	2	1	3	1	2		1	1	1	1	1								21
Tokyo	1	3	2	1	2		3	1	1			1	2	1				1	1	1				1	22
Kanagawa		1	1	1	2	2	2	1	2				1	2	1		1					1		2	20
Niigata	3	1	2	2			4	2	1		1	1		1								1			19
Toyama			2		1		1	2	1						1									1	9
Ishikawa		1			1		1			1	2		1	1				2				1		1	12
Fukui	4	1	1	3		1	1						1			2					1		1		16
Yamanashi		2	2	1	2	1		1	1	3	1		1		1	2		1	1		1				21
Nagano	2	4	1	2	2		1			2	2			2	1	2	1	1	1				1		25
Gifu	3	1	2	2	5			1				2					1		2			1			20
Shizuoka		4	2	3	1	2	1	1		1	1		2	2			2	1				1		2	26
Aichi			4	2	1	5	2	6	1	1		3			3	2	1		3	1		3			38
Mie	4	2	1		1		1	1		1			1	3				1					1	1	18

Shiga			1		1		1		3		1													7	
Kyoto	1			1				2						1	1									6	
Osaka	2		1	3	2		2	2		1	1	1		1	1				1	2		2	2	24	
Hyogo	1	2		3	1	2		1	1		1		1	1	1	2	1			1	1	1		21	
Nara	2		3	1		2			3				1	1	1	2	1							17	
Wakayama	2		2	1	1	1		1		2	1			2				2			1	2	1	1	20
Tottori	2	2	1	1				3						1					2			1		13	
Shimane	3		1	1	3			1	1		1		1		2			1		1				16	
Okayama		4	1	2		1	2		1		1	1	1	1	2		1		1				1	20	
Hiroshima	1		3		1	1	2		1		1	2	1		2					2				17	
Yamaguchi	1	5	3	1		1	3	1	1			1			1	1			1	1	1		1	23	
Tokushima	4		4	1	1	2	2		1				1			1				1	1			19	
Kagawa	1			1	2		2	1												1				8	
Ehime	1	6	3	5	5	2	1	1	1		1	2	1		1			1	3	4		1	1	1	41
Kochi	3	2	4	4	1	2		1		1		1	2	1	2	1	2	2			2			1	32
Fukuoka	5	3	2	4	4	3	1	1		2	1	1		2		2	2							33	
Saga		3		1		2	1	1		1		1						1						11	
Nagasaki	3	1	2	2			1	1	1				1											12	
Kumamoto	3	1	2	1	2	3		2	2	1		2						1		1			1	22	
Oita	4	2	1						2	1	1				1	1	1	2	1		1	1		19	
Miyazaki	3	3	2	2	2					1		1				1	1	2			1	1		20	

Kagoshima	4	2	1	4	1	3	4	1	3	1		3	1	2			2		1				1	34	
Okinawa																					1	1	2		4
total	92	84	82	72	63	53	63	44	38	30	26	28	33	36	41	30	21	27	26	20	20	18	17	17	981

Data sources: <https://anzeninfo.mhlw.go.jp/user/anzen/tok/anst00.html> (MHLW, Japan)

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