

Fatal and non-fatal accidents in electricity/telecommunication work in Japan in 1999-2022

electricity/telecommunication work industry Code No.030301

Type of accidents in electricity/telecommunication 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	336	341	312	319	270	294	258	301	248	279	252	259	278	222	260	217	217	180	227	189	204	208	186	198	6,055
falling to same level	70	53	71	53	66	61	60	58	72	68	64	58	68	76	64	73	61	66	75	63	68	69	94	98	1,629
crash	51	41	35	35	36	28	36	33	28	33	21	33	31	29	25	29	22	20	28	20	22	23	28	26	713
struck by flying or falling object	69	50	68	35	46	45	37	42	51	55	29	37	32	40	35	39	24	31	33	31	27	30	36	33	955
collapse	17	18	13	19	18	19	10	13	13	9	16	11	10	10	10	16	8	6	4	12	11	13	8	9	293
crashed by	37	40	41	31	31	28	21	23	23	26	26	28	29	21	25	29	21	19	16	24	28	28	19	26	640
caught in/between	103	80	91	71	61	74	63	50	57	64	67	52	64	50	60	64	49	49	48	41	50	50	52	50	1,460
cut	53	46	45	46	36	28	20	34	32	38	29	21	25	37	28	29	31	26	24	26	25	28	26	12	745
injury to the sole of the foot	5	3	4	3	1	2	2	3		3	1	3	4	2	3	1	3	1		7	2	3	2	5	63
drown							3						6												9
contact to high/low-	16	6	18	18	7	17	10	10	9	9	10	12	12	8	9	11	6	9	12	20	12	15	13	7	276

temperature																									
contact to harmful substance	1	3	1		2	1	2	1	2	3	1	3	4	3	1	5	2	2	2	3	2		1		45
electric shock	50	39	34	27	20	31	25	18	29	27	19	21	9	11	23	22	22	17	13	18	15	16	17	19	542
explosion		1													2	1		2							6
burst		3	2		1	2				1		1						1							11
fire				1		2				5		2				2				9					21
traffic accident (public road)	67	54	49	46	58	56	67	62	50	40	49	44	35	56	40	43	44	47	47	49	58	38	34	29	1,162
traffic accident (others)	5	1									1				1	2			3	1	2	1			17
reaction to motion/improper motion	54	43	63	46	43	36	37	43	54	48	41	39	38	36	43	36	41	27	36	48	41	43	47	47	1,030
others	3	1	5	4	1	6	3	5	8	4	1	3	11	5	3	3	8	3	14	6	5	8	114	7	231
unclassifiable	3	2		4	1		1		3	1			1	1	2		1	3	1					1	25
total	940	825	852	758	698	730	655	696	679	713	627	627	657	607	634	622	560	509	583	567	572	573	677	567	15,928

Causal agents (large) of fatal and non-fatal accidents in electricity/telecommunication 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	88	74	98	72	70	65	51	71	56	62	63	56	60	61	42	59	53	40	45	52	48	50	63	50	1,449



construction machine	48	39	48	32	39	35	34	46	35	33	39	36	36	34	25	32	35	25	24	27	31	31	41	40	845
metal manufacturing machine	17	12	18	15	11	10	6	11	8	10	11	6	8	10	3	10	2	4	6	9	4	6	4	4	205
general machine	14	15	15	13	7	12	6	8	5	9	9	6	11	11	7	8	6	5	7	6	5	7	8	3	203
mobile silviculture machine																						1			1
crane	28	34	31	13	25	29	16	21	20	27	27	22	16	17	24	27	20	19	7	23	19	21	16	22	524
conveying machine	87	63	62	56	51	44	56	64	42	37	39	39	42	34	27	32	40	29	40	33	38	45	34	34	1,068
vehicle	57	39	34	40	45	44	48	45	40	39	49	36	29	54	46	38	42	40	41	41	50	32	28	31	988
pressure vessel	1			1		2		1	1			1							1						8
chemical facilities											1														1
welding equipment		3	3		1	2	3	1	3	1	1		1		1	1				10	1	1			33
kiln, caldron	1										1														2
electric equipment	78	62	63	51	39	48	53	34	46	38	40	36	22	29	40	35	36	31	34	34	32	30	41	28	980
human power machine, tools	44	29	25	33	34	19	16	23	30	22	20	18	24	23	21	21	16	13	17	13	15	22	21	14	533
tools	203	182	188	185	150	175	155	165	137	177	140	160	155	136	164	128	121	108	124	105	135	99	116	117	3,525
other equipments,	10	12	4	15	5	7	7	8	10	18	9	10	12	6	18	13	8	10	4	5	5	9	11	13	229

facilities																									
temporary buildings, establishments	181	197	185	158	164	170	152	163	163	172	139	153	179	151	150	143	126	120	140	134	114	151	130	142	3,677
hazards, harmful substances	3	1	4	3	1	1	2	2	3	2	1	2	4	3	2	7	3	2	1	1	2	2	1		53
materials	60	59	65	52	39	41	34	37	48	43	37	32	38	36	29	37	25	32	31	32	30	27	27	34	925
load	29	34	41	23	28	31	21	23	25	24	26	18	17	20	18	17	12	15	24	23	16	23	17	21	546
natural environment	34	16	25	30	21	33	22	18	27	33	13	27	40	21	32	34	32	33	45	42	43	35	40	42	738
other causal agent	13	8	8	3	6	8	4	3	2	5	5	5	5	2	5	8	2	2	4	7	2	13	115	2	237
no causal agent	20	10	16	19	19	10	14	15	23	13	16	11	13	14	14	22	23	12	23	12	22	13	17	16	387
unclassifiable	3	2		4		1	1	2	3			1			1		1	3	2					1	25
total	940	825	852	758	698	730	655	696	679	713	627	627	657	607	634	622	560	509	583	567	572	573	677	567	15,928

Causal agents (small) of fatal and non-fatal accidents in electricity/telecommunication work in 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
engine			3				1									1	1							1	7
power transmission mechanism			2		1		1		2	1		1				2				1			2	2	15
circular sawing			4		10		2	4	2	3	1	3	2	2	7	3	7	2	3	1	4	1	4		65

machine																									
band sawing machine																									
wood planer machine				1														1						2	
hollow chisel mortiser, wood borer																									
chamfering machine, router, woodworking milling machine																									
chain saw			3			1	1	2	5	3	3	3	3		1	2	2	5	3	4	3	3		47	
other woodworking machines			5	1			1	2	1		1		1		3		1		4		1	1		22	
leveling, transporting or loading machine			2			1	1			1				2	1			2		1	1	1	3	16	
excavating machine			6		3		2	8	1	2	3	3	4	4	4	3	2		3	4	4	7	5	5	73
foundation work machine			5		1		1	1	5	3	2	1	4	4	2	3	1	3		4	2	1	3	1	47
hardening machine			1		2										1					1		1		6	
demolition machine			2		1		2	1	2	1		1	5	1			2	1	2					21	









other pressure vessels																		1						1	
chemical facilities										1														1	
gas welding equipment			1		1		1		2										9	1	1			16	
arc welding equipment			2				2	1	1	1	1		1		1	1				1					12
other welding equipment																									
kiln, caldron																									
industrial dryer										1														1	
other kiln, caldron																									
transmission			29		22		26	14	28	24	22	20	11	14	21	14	23	19	24	21	21	15	24	17	409
electric power facilities			22		7		17	11	17	10	13	10	7	11	15	18	7	8	7	10	8	12	13	9	232
other electrical equipment			12		10		10	9	1	4	5	6	4	4	4	3	6	4	3	3	3	3	4	2	100
human power cranes							3		2		1	2		1	2	1		1		1			2	17	
human power hauling equipment			2		2		1	2	4	2	2	3	3	4	1	2	2	1	5	4	5	4	3	3	55
human power			1						3		1				1	2	1					1		10	

machine																									
hand tool			22		32		12	21	21	20	16	13	21	18	17	16	13	11	12	8	10	16	18	9	326
ladder			172		133		139	141	125	152	128	143	144	117	148	118	109	93	113	89	115	90	98	99	2,466
slinging tool			5		4		5	2	3	6	2	2	4	3	6	1		3	3	2		3	1	3	58
other tools			11		13		11	22	9	19	10	15	7	16	10	9	12	12	8	14	20	6	17	15	256
other equipment, facilities			4		5		7	8	10	18	9	10	12	6	18	13	8	10	4	5	5	9	11	13	185
scaffolding			17		12		13	13	15	10	12	9	15	3	11	8	8	6	4	6	1	7	6	3	179
timbering							1													1					2
stairs, landing stage			27		20		21	24	25	22	21	30	27	26	27	26	30	18	25	23	19	36	23	27	497
opening			4		5		4	3	5		4	4	6	4	6	7	2	5	3	6	3	5	4	9	89
roof, beam, haze, crossbeam, principal rafter			17		28		15	21	27	23	19	24	25	20	21	27	8	6	13	12	11	13	6	11	347
working platform, boot board			14		18		8	14	13	13	3	19	13	9	11	11	8	9	17	7	13	7	5	9	221
passage			31		24		32	25	32	32	31	19	29	36	29	29	21	27	32	29	31	35	43	37	604
building, establishment			49		34		30	47	28	52	30	32	41	39	33	19	30	31	31	33	18	29	26	24	656
other temporary buildings, establishments			26		23		28	16	18	20	19	16	23	14	12	16	19	18	15	17	18	19	17	22	376

explosive substance															2									2	
inflammable substance			1			1		1							2					1	1			7	
inflammable gas							1										2				1			4	
harmful substance			1		1		1	1		1	1	2	1	2		4	1			1				17	
radiation																									
other hazards, harmful substances			2						2	1			3	1		1	2		1			1		15	
metal material			39		22		16	20	28	32	29	26	25	22	14	20	18	20	19	22	18	19	16	20	445
lumber, bamboo			14		3		4	6	6	1	2	2	3	4	4	5		5	2	5	5	1	2	3	77
stone, sand, substance			2		2		3	3	5	3		2	1	1	5	4	1	2		2	3	1	4	4	48
other materials			10		12		11	8	9	7	6	2	9	9	6	8	6	5	10	3	4	6	5	7	143
load			25		17		11	19	16	19	14	11	10	10	15	12	8	12	18	17	14	19	14	16	297
machine/equipment as load			16		11		10	4	9	5	12	7	7	10	3	5	4	3	6	6	2	4	3	5	132
natural ground, rock			10		7		5	5	7	8	8	8	8	3	4	9	8	7	12	5	9	12	14	12	161
standing tree			3		4		4	5	6	11	3	3	6	7	6	7	3	5	15	5	11	5	7	5	121
water							2			1			13							1	1				18
abnormal environment									1						1		1	1	1	1					6

high/cold temperature environment			3		1		2	2	6	5	1	13	8	2	5	6	6	5	4	16	7	9	8	7	116
other environments			9		9		9	6	7	8	1	3	5	9	16	12	14	15	13	14	15	9	11	18	203
other causal agent			8		6		4	3	2	5	5	5	5	2	5	8	2	2	4	7	2	13	115	2	205
no causal agent			16		19		14	15	23	13	16	11	13	14	14	22	23	12	23	12	22	13	17	16	328
unclassifiable							1	2	3			1			1		1	3	2				1	15	
total	940	825	852	758	698	730	655	696	679	713	627	627	657	607	634	622	560	509	583	567	572	573	677	567	15,928

Workers age of fatal and non-fatal accidents in electricity/telecommunication 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	25	17	22	20	18	14	13	12	13	11	17	13	13	11	13	12	13	7	11	7	16	10	19	16	343
20-29	258	271	223	209	171	174	155	143	137	129	123	112	133	107	116	104	115	106	114	105	94	99	118	79	3,395
30-39	212	144	179	166	191	180	165	191	190	173	161	167	145	148	140	151	120	117	114	101	116	98	125	87	3,581
40-49	178	147	174	141	121	125	115	131	103	146	115	121	130	124	136	135	119	106	138	143	138	130	154	163	3,233
50-59	191	184	186	149	142	162	154	160	159	159	118	140	127	115	128	118	98	90	113	107	98	127	143	118	3,286
60 years old or more	76	62	68	73	55	75	53	59	77	95	93	74	109	102	101	102	95	83	93	104	110	109	118	104	2,090
total	940	825	852	758	698	730	655	696	679	713	627	627	657	607	634	622	560	509	583	567	572	573	677	567	15,928

Workers' number of workplace of fatal and non-fatal accidents in electricity/telecommunication work in 1999-2022





Chiba	34	33	42		40		29	34	30	33	23	33	33	24	37	28	23	22	23	18	31	27	25	24	646
Tokyo	84	75	67		55		57	60	54	65	46	57	52	50	56	39	48	33	22	45	32	30	48	32	1,107
Kanagawa	52	37	32		33		37	41	38	33	36	29	25	16	17	18	23	24	32	16	26	26	32	26	649
Niigata	26	22	21		16		15	20	20	15	17	11	19	18	15	16	12	17	20	10	21	17	44	19	411
Toyama	13	6	18		12		14	8	5	10	9	5	15	4	10	4	9	5	3	11	6	4	9	4	184
Ishikawa	6	10	8		6		10	6	9	7	5	7	11	10	11	11	7	5	9	13	5	4	5	5	170
Fukui	7	5	6		4		5	2	5	12	3	6	9	6	3	12	9	5	9	5	8	6	8	6	141
Yamanashi	11	8	17		7		5	5	7	11	2	5	2	3	6	3	5	1	3	2	3	4	2	3	115
Nagano	18	9	15		16		9	15	8	18	14	14	16	13	13	19	16	16	12	15	11	10	21	13	311
Gifu	17	14	10		14		13	11	12	13	9	16	6	12	12	10	12	13	13	11	14	7	12	15	266
Shizuoka	30	22	30		40		24	21	22	24	23	26	14	18	18	23	10	16	8	13	18	18	15	14	447
Aichi	38	37	35		20		19	39	30	39	27	24	26	25	24	21	26	22	24	28	25	25	19	23	596
Mie	14	17	20		16		11	11	12	14	18	8	11	6	10	11	12	14	11	13	17	15	5	10	276
Shiga	7	9	6		5		4	6	10	4	4	8	8	4	9	5	5	4	8	8	9	8	6	10	147
Kyoto	20	23	31		17		14	15	12	22	12	14	9	12	14	12	10	11	13	8	12	13	8	9	311
Osaka	73	48	54		56		44	39	47	42	46	49	33	28	29	20	29	27	29	32	24	32	76	28	885
Hyogo	53	39	37		26		18	18	26	21	27	22	19	17	21	26	26	19	28	21	16	28	29	17	554
Nara	11	14	6		10		4	8	6	7	10	11	12	8	1	11	3	3	3	4	4	11	9	5	161
Wakayama	11	10	5		7		7	7	6	13	6	7	9	3	5	4	3	3	3	4	7	4	3	4	131
Tottori	4	3	4		4		5	2	3	1	3	1	5		1	2	3	1	3	3	3	3		2	56
Shimane	4	4	7		2		3	1	5	8	9	7	2	3	4	7	3	2	4	5	2	2	6	7	97



Okayama	12	9	5		12		9	9	7	12	10	8	12	18	9	13	11	13	10	10	13	12	10	14	238
Hiroshima	22	13	12		18		16	17	25	11	17	14	19	11	18	17	13	13	22	11	12	11	11	10	333
Yamaguchi	9	10	9		10		7	9	7	11	6	9	9	9	3	3	6	6	11	7	8	8	9	6	172
Tokushima	4	4	5		2		3	2	3	3	4	3	5	2	4	9	8	5	4	7	4	9	5	2	97
Kagawa	15	4	4		9		11	2	7	4	1	2	2	4	7	6	3	2	12	4	3	3	11	1	117
Ehime	8	9	11		7		3	14	10	7	3	5	10	7	10	8	10	3	10	9	11	12	6	14	187
Kochi	4	2	8		5		6	3	4	5	5	7	6	6	7	9	2	8	4	8	3	2	9	5	118
Fukuoka	35	46	45		47		31	41	37	35	26	34	22	28	28	27	20	23	17	27	28	19	17	21	654
Saga	3	9	9		3		3	5	3	2	3	5	6	6	8	6	13	4	11	4	2	6	3	6	120
Nagasaki	17	9	15		7		4	10	7	3	5	3	11	7	11	8	7	7	8	5	9	11	9	9	182
Kumamoto	15	11	10		5		10	8	6	9	13	5	5	9	8	8	8	5	8	10	10	8	7	8	186
Oita	21	19	15		15		14	12	11	19	16	5	6	12	11	13	9	7	12	11	9	10	17	8	272
Miyazaki	5	6	14		7		8	7	2	6	7	9	10	6	8	16	12	2	7	10	10	15	11	9	187
Kagoshima	12	7	15		4		8	10	10	10	9	7	13	7	19	14	13	9	21	9	9	16	9	7	238
Okinawa	2	9	4		5		11	4	8	9	8	10	7	5	6	7	6	3	6	8	3	2	8	5	136
total	940	825	852	758	698	730	655	696	679	713	627	627	657	607	634	622	560	509	583	567	572	573	677	567	15,928

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)





machine	4	3	4	2	3	2	3	3	4	3	2	3	2	3	2	3	2	2			2	2	2	2	58
crane, conveying machine	8	10	7	10	12	9	4	7	8	4	5	8	8	5	1	4	8		7	5	3	6	2	3	144
other equipment	24	9	12	8	3	13	13	8	10	17	11	7	4	7	6	8	9	6	8	6	3	4	5	8	209
temporary buildings, establishments	5	5	6	7	13	3	7	8	9	7	3	6	6	2	2	5	3	3	2	5	3	1	1	2	114
substance, material						1					1		1				1							1	5
load			1		1		1					1								1	1				6
environment	1	1	1	2	1	4	2		1	1		1	16	1	2	2	2			3		2	3	2	48
others			1		1		1	1								1	1	1	2		2				11
total	42	28	32	29	34	32	31	27	32	32	22	26	37	18	13	23	26	12	19	20	14	15	13	18	595

Causal agents (middle) of fatal accidents in electricity/telecommunication 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																								1	
power transmission mechanism																										
woodworking machine		1																								1
construction machine	3	2	4	1	3	2	3	3	4	3	2	3	2	3	2	3	2	2			2	2	2	2	55	

metal manufacturing machine				1																				1	
general machine																									
mobile silviculture machine																									
crane	3	5	1	1	1	1		1	3	1	1	1	1	1		1	3			3	1			2	31
conveying machine	3	2	4	6	6	3	1	5	3	1	2	5	5	3			2		4	1	2	3	2	1	64
vehicle	2	3	2	3	5	5	3	1	2	2	2	2	2	1	1	3	3		3	1		3			49
pressure vessel						1																			1
chemical facilities																									
welding equipment																				2					2
kiln, caldron																									
electric equipment	21	7	8	7	2	10	10	4	7	12	5	5	1	4	1	6	6	6	7	2	1	1	3	3	139
human power machine, tools	1										1				1										3
tools	2	2	4	1	1	1	3	4	3	3	5	2	3	3	4	2	3		1	2	2	2	2	5	60
other equipments, facilities						1				2												1			4
temporary buildings, establishments	5	5	6	7	13	3	7	8	9	7	3	6	6	2	2	5	3	3	2	5	3	1	1	2	114
hazards, harmful substances											1						1							1	3



















20-29	9	10	7	9	3	5	6	7	4	3	5	4	5	1	1	3	4	5	5	2	1	2	3	3	107
30-39	6	4	7	8	5	9	6	7	8	6	3	7	5	4	2	2		1	3	3	1	2	1	2	102
40-49	6	4	5	3	6	10	7	3	3	12	4	3	8	3	1	6	6	3	3	5	5	1		5	112
50-59	13	6	8	6	9	4	10	7	10	6	3	6	6	5	7	8	6	1	4	1	3	2	5	7	143
60 years old or more	7	4	4	3	10	3	1	3	7	5	7	6	13	5	1	4	10	2	4	9	4	8	4	1	125
total	42	28	32	29	34	32	31	27	32	32	22	26	37	18	13	23	26	12	19	20	14	15	13	18	595

Workers' number of workplace of fatal accidents in electricity/telecommunication 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	14	12	15	13	14	13	19	18	15	15	11	14	23	9	8	15	16	4	7	8	4	4	9	8	288
10-29	15	10	6	12	10	12	9	8	13	10	2	7	10	5	3	5	8	3	7	11	7	8	2	6	189
30-49	8	1	6	2	4	1	1	1	3	4	5	1	2	2		2	1		2		1	2	1	2	52
50-99	3	4	3	1	6	1	2		1	3	3	3	1	1	1	1	1	3	1	1	1	1		2	44
100-299	2	1	1	1		4					1	1	1	1	1			2	1		1		1		19
300 workers or more			1			1													1						3
total	42	28	32	29	34	32	31	27	32	32	22	26	37	18	13	23	26	12	19	20	14	15	13	18	595

Month of fatal accidents in electricity/telecommunication 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	1	3	2	1	4	1				2	2	5	1	1	1		4	2	1	1		1	1		34

February	2	2	2	1	1		2	5	2	1	4	2	1	1	2	2	3	2	2	4	3	1		2	47
March	4	3	6			2	6	2	3	3	1	2	17			1	4	1	3	2	1	1		3	65
April	4		4	2	5	3	1	4	2	1		2	1	4	1	5	1	1	1					1	43
May	3	2	2	1	1	4		2	4	2		2	1		1	2	2	2	1	1	2		1	3	39
June	5	3	1	3		5	3	2	3		1	1	1	2		1	1	2	1	2	1	2		2	42
July	3	4	5	7	5	5	1	1	5	9	1	4	3	1	3	4			4	3	1	2	2	1	74
August	4	6		3	4	6	2	1	1	1	2	1	1	1	1	2	5		1			1	1	1	45
September	6	1	3	2	5	1	6	3	6	5	4	2	2	4	2	2	1	1	2	2	1	1	2	2	66
October	1	1	3	1	5	2	2	1	2	2	2	2		1			2				1	2	2	1	33
November	8	2	2	2	4	2	5			4	2	1	5	3	1	3	2			3	3	2	2	1	57
December	1	1	2	6		1	3	6	4	2	3	2	4		1	1	1	1	3	2	1	2	2	1	50
total	42	28	32	29	34	32	31	27	32	32	22	26	37	18	13	23	26	12	19	20	14	15	13	18	595

Prefecture of fatal accidents in electricity/telecommunication 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	1	4	3		4	2	2	1	7	2	1	1		1		1	2	1		2	1	2	1		39
Aomori						2	1	1		1			1		1										7
Iwate	2			3	1	2							9			2						1		1	21
Miyagi	2	3	1		1		1	1			1	1	6							2				1	20
Akita	1		1						1			1	1	1				1	1	2	1			2	13

Yamagata			1				1				1	1	1			1							6		
Fukushima		1	1	1			1	2	1				3		1		1						12		
Ibaraki	1			2		1	3	1	3				1	1					1				14		
Tochigi	1			1						1		1				1							5		
Gunma	2	1	1	1			1			2	1	1	2			3		1		1			17		
Saitama	2		1	1	1	1			1	3	3		1	1		2	1		1	1	1		21		
Chiba	1		3	1	1	2		2	1		1	1	1		1	2	1	1			1	2	22		
Tokyo	1	6	8	1	3	3	1	2	1			3		1	1		3		1	2		1	2	1	41
Kanagawa	3				1		1	3	1	1	1				2		1						1	1	16
Niigata	3							1		1	2				1			1			1	1		1	12
Toyama																1									1
Ishikawa	1		1	1		1		1					1	1		1									8
Fukui				1						3				2			3	1	1			1			12
Yamanashi	2		1		1				1				1						1						7
Nagano	2				1	2	1				2	2				4			1					2	17
Gifu		1		1	1		1		1	2						1	1	1							10
Shizuoka	1			1	1	2	1			4		2	3				2					1	1	1	20
Aichi	1	1	1	2		1				1		1	1	1	1		2		1		1	1		1	17
Mie		1		1	1	1			1	1		2				1			1	2					12
Shiga	1	2		1	2	2	1	1							1				1	1					13
Kyoto			1			1					2	2	1		1		1								9



Osaka			3	2	2		3	1	3	3	4	2	2		2				1		2	1		31
Hyogo	1	3	3	1		1	2	2	2		2	2				1		2			1	2		25
Nara									2		1			1						1	1			6
Wakayama	1				2				1				1	1							1		1	8
Tottori																								
Shimane											1					1		1						3
Okayama	1			2	1			2		1			1	1								1		10
Hiroshima		1		1	1			1	1								1	2				1		9
Yamaguchi	1				3				1									1				1	1	8
Tokushima						1			1													1		3
Kagawa	1					1	1					1	1			1								6
Ehime			1		1							1		1	1		1				3		1	10
Kochi	1			1	1	1								1						1				6
Fukuoka	1	1		1	2	1	2	2	1	1				1		1		1					3	18
Saga																1								1
Nagasaki		1	1				1					1							1					5
Kumamoto	1	1	1				2	1		1					1		1			1			1	11
Oita	3					1	3			1						1	1	2		1	1			14
Miyazaki	1			1	1	1	1	1									1		1					8
Kagoshima	2					1							1			1		1					1	7
Okinawa		1			1	1	1		1	1		1				1	1		2	1	2			14

total	42	28	32	29	34	32	31	27	32	32	22	26	37	18	13	23	26	12	19	20	14	15	13	18	595
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Data sources: <https://anzeninfo.mhlw.go.jp/user/anzen/tok/anst00.html> (MHLW, Japan)

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