

substance		1	3	1	2	1	1	3	3	2	2	2		1			2	2	1	1	5	4	2	1	40
electric shock						1							1			1		1	1	1		1			7
explosion																1	1								2
burst			1										1												2
fire	1						1	2		2		1							1						8
traffic accident (public road)	219	240	258	273	233	207	264	278	284	255	249	243	231	241	264	219	235	228	252	244	246	238	282	226	5,909
traffic accident (others)	4	4	5	1		3	2	2	5	2	2	4	2	3	1	2	5	5	5	2		9	3	2	73
reaction to motion/improper motion	77	79	105	111	122	130	124	142	136	156	120	151	131	148	159	165	166	188	186	206	218	197	240	259	3,716
others	25	35	34	27	43	32	36	25	37	30	29	29	31	34	19	28	25	25	34	41	28	36	137	48	868
unclassifiable	27	14	24	25	27	22	10	13	16	11	11	12	6	12	8	10	8	8	9	8	9	6	7	8	311
total	956	1,047	1,196	1,171	1,144	1,215	1,213	1,264	1,310	1,378	1,297	1,324	1,324	1,349	1,420	1,386	1,401	1,472	1,603	1,760	1,698	1,792	2,059	1,930	33,709

Causal agents (large) of fatal and non-fatal accidents in security service 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	76	94	92	91	79	87	87	83	67	81	84	75	78	56	61	58	69	56	56	45	45	53	41	53	1,667
crane, conveying machine	300	352	356	404	313	329	354	385	381	363	376	349	336	345	403	316	367	341	364	370	367	374	421	346	8,612
other equipment	84	72	95	97	108	112	115	89	119	137	125	122	135	141	153	129	117	160	159	157	149	177	196	168	3,116

temporary buildings, establishments	299	311	377	334	370	405	392	436	459	515	458	467	478	508	473	560	507	581	653	723	723	791	878	818	12,516
substance, material	26	35	48	36	33	39	37	46	48	44	32	30	34	30	29	35	33	33	45	34	38	28	29	39	861
load	31	21	31	41	33	33	29	27	44	40	27	15	21	20	25	37	32	40	35	35	37	21	32	40	747
environment	28	42	71	45	65	50	82	65	59	73	61	101	108	103	149	118	119	125	123	207	153	153	155	220	2,475
others	112	120	126	123	143	160	117	133	133	125	134	165	134	146	127	133	157	136	168	189	186	195	307	246	3,715
total	956	1,047	1,196	1,171	1,144	1,215	1,213	1,264	1,310	1,378	1,297	1,324	1,324	1,349	1,420	1,386	1,401	1,472	1,603	1,760	1,698	1,792	2,059	1,930	33,709

Causal agents (middle) of fatal and non-fatal accidents in security service 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						1							1							4	
power transmission mechanism		1	2									1	1													5
woodworking machine	2	3	2	2		1	1	2		2	2	1				2	2	2	1	1	1	2	1	2	32	
construction machine	73	89	84	86	70	81	79	77	63	74	75	68	76	52	57	55	59	50	51	38	40	48	36	48	1,529	
metal manufacturing machine					1	1	1		1	1		2		1	1							1			10	

general machine	1	1	3	3	7	4	6	4	3	4	6	3	1	3	3	1	8	3	4	6	4	2	3	3	86
mobile silviculture machine																							1		1
crane	2	10	4	11	6	6	6	7	4	6	5	5	6	4	9	4	9	7	3	5	2	6	4	4	135
conveying machine	77	84	92	108	74	89	77	82	77	86	85	85	88	89	98	68	102	81	103	101	88	111	125	87	2,157
vehicle	221	258	260	285	233	234	271	296	300	271	286	259	242	252	296	244	256	253	258	264	277	257	292	255	6,320
pressure vessel		1	1								1		1												4
chemical facilities				1			1			1											1				4
welding equipment											1													1	2
kiln, caldron									1																1
electric equipment	1	1	1	5		5	2	1	2	4	5	2	7	1	4	2	4	8	2	4	3	3	2	1	70
human power machine, tools	22	20	30	31	32	29	36	25	36	49	41	36	39	45	47	40	40	55	53	59	61	83	67	56	1,032
tools	44	38	47	44	65	57	55	51	63	61	51	54	63	74	72	64	46	69	80	72	65	64	100	79	1,478
other equipments, facilities	17	12	16	16	11	21	21	12	17	22	26	30	25	21	30	23	27	28	24	22	19	27	27	31	525
temporary buildings, establishments	299	311	377	334	370	405	392	436	459	515	458	467	478	508	473	560	507	581	653	723	723	791	878	818	12,516
hazards, harmful substances	1	3	4	2	2	2	1	6	3	4	2	2		1		1	1	2	3	1	2	3	1		47
materials	25	32	44	34	31	37	36	40	45	40	30	28	34	29	29	34	32	31	42	33	36	25	28	39	814

equipment			1						2	2	4	1	2		2			5	2	1	2	2	2		28
human power cranes												1					1				1	4	4	7	18
human power hauling equipment			28		29		33	22	32	46	38	32	38	43	43	38	37	50	47	57	58	76	61	46	854
human power machine											2		1				1	1	1		1				7
hand tool			2		3		3	3	4	3	1	3		2	4	2	1	4	5	2	1	3	2	3	51
ladder			25		35		33	34	37	28	29	37	36	39	38	30	18	27	26	29	24	23	32	24	604
slinging tool					2		1			1	1	1	2	2					1						11
other tools			22		28		21	17	26	32	21	16	25	33	34	34	28	42	53	43	41	41	68	55	680
other equipment, facilities			16		11		21	12	17	22	26	30	25	21	30	23	27	28	24	22	19	27	27	31	459
scaffolding			3		1		2	1	2	1	3	2	1		1	3	1	2	3	3		3	1	3	36
timbering			1					2																	3
stairs, landing stage			70		58		78	78	68	80	85	85	74	85	69	81	83	89	116	107	113	117	127	146	1,809
opening			8		8		9	4	13	9	2	8	4	8	7	12	6	16	14	14	18	12	15	16	203
roof, beam, haze, crossbeam, principal rafter			2		2			1	4		1	2			3	1	1	1	1			1	1	1	22
working platform, boot board			27		34		25	26	44	37	36	37	36	32	27	38	36	38	37	68	54	54	54	57	797
passage			140		141		166	181	175	216	167	186	219	228	197	266	220	261	281	340	340	380	444	390	4,938

building, establishment			80		66		56	85	88	100	100	81	88	98	94	69	73	99	108	110	106	125	119	110	1,855
other temporary buildings, establishments			46		60		56	58	65	72	64	66	56	57	75	90	87	75	93	81	92	99	117	95	1,504
explosive substance																									
inflammable substance							3												3						6
inflammable gas			1							1						1									3
harmful substance			2		2		1	1	3	1	2	1		1				1		1	1	2	1		20
radiation																									
other hazards, harmful substances			1					2		2		1					1	1			1	1			10
metal material			23		19		16	20	20	20	15	14	19	14	17	14	19	18	30	20	19	12	11	15	355
lumber, bamboo			5		6		5	6	5	3	3	6	3	6	2	6	4	1	3	4	5	4	2	5	84
stone, sand, substance			7		3		8	6	9	4	2	2	4	1	5	4	7	3	6	2	4	7	5	8	97
other materials			9		3		7	8	11	13	10	6	8	8	5	10	2	9	3	7	8	2	10	11	150
load			26		30		27	25	40	37	22	14	20	18	22	33	30	35	28	33	36	18	29	36	559
machine/equipment as load			5		3		2	2	4	3	5	1	1	2	3	4	2	5	7	2	1	3	3	4	62
natural ground, rock			16		10		12	13	13	12	8	8	12	11	15	9	15	18	10	10	16	7	14	9	238
standing tree			3		2		2	2	2	1	1		6	2	3	5		8	4	6	4	5	1	4	61

water								3	5	1	1	5	11		5	4	7	3	2	11	1	4	5	1	69
abnormal environment							2					1	1	2						1	2	1	3	1	14
high/cold temperature environment			15		9		16	20	15	17	7	49	19	29	63	26	43	33	42	117	79	89	70	102	860
other environments			37		44		50	27	24	42	44	38	59	59	63	74	54	63	65	62	51	47	62	103	1,068
other causal agent			55		41		45	44	36	35	34	52	46	31	32	28	49	42	46	36	38	41	150	53	934
no causal agent			50		75		63	75	85	80	91	94	78	101	91	95	102	88	116	144	140	150	154	186	2,058
unclassifiable			21		27		9	14	12	10	9	19	10	14	4	10	6	6	6	9	8	4	3	7	208
total	956	1,047	1,196	1,171	1,144	1,215	1,213	1,264	1,310	1,378	1,297	1,324	1,324	1,349	1,420	1,386	1,401	1,472	1,603	1,760	1,698	1,792	2,059	1,930	33,709

Workers age of fatal and non-fatal accidents in security service 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	32	21	25	21	23	20	15	14	11	9	11	8	7	7	14	6	5	8	16	14	11	13	16	11	338
20-29	221	206	223	237	210	183	149	165	158	161	120	133	123	112	110	108	102	98	101	113	109	114	131	103	3,490
30-39	132	148	169	185	158	208	175	173	193	201	212	191	184	188	181	147	150	160	168	170	152	157	166	150	4,118
40-49	126	156	187	159	178	208	214	175	185	222	230	209	250	209	252	236	237	251	256	256	229	243	306	257	5,231
50-59	220	291	329	316	311	331	372	385	396	388	336	331	318	360	340	334	288	353	343	375	376	370	437	421	8,321
60 years old or more	225	225	263	253	264	265	288	352	367	397	388	452	442	473	523	555	619	602	719	832	821	895	1,003	988	12,211
total	956	1,047	1,196	1,171	1,144	1,215	1,213	1,264	1,310	1,378	1,297	1,324	1,324	1,349	1,420	1,386	1,401	1,472	1,603	1,760	1,698	1,792	2,059	1,930	33,709

August	86	106	102	87	100	75	103	105	122	106	101	118	117	105	138	115	133	135	143	145	179	191	233	179	3,024
September	78	76	99	107	85	109	100	96	107	91	97	98	120	100	97	98	96	115	139	137	148	164	160	141	2,658
October	90	76	109	116	102	109	88	112	102	117	120	123	99	109	109	103	122	118	163	135	124	153	172	143	2,814
November	87	89	128	109	88	107	103	104	122	116	111	101	121	101	113	126	108	121	128	127	147	125	143	128	2,753
December	75	77	102	113	116	108	126	107	116	117	118	123	120	117	126	127	99	117	128	121	136	160	171	176	2,896
total	956	1,047	1,196	1,171	1,144	1,215	1,213	1,264	1,310	1,378	1,297	1,324	1,324	1,349	1,420	1,386	1,401	1,472	1,603	1,760	1,698	1,792	2,059	1,930	33,709

Prefecture of fatal and non-fatal accidents in security service 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	35	35	73		45		47	46	75	63	54	60	52	60	62	58	68	78	61	59	60	92	85	73	1,341
Aomori	11	10	10		16		3	12	4	4	11	9	10	9	8	5	10	14	8	11	12	10	12	9	208
Iwate	10	15	9		8		14	16	5	9	9	2	9	4	10	11	6	9	6	10	18	12	14	15	221
Miyagi	12	18	22		18		24	25	27	25	25	22	44	33	37	33	29	43	23	48	23	34	45	40	650
Akita	8	6	6		10		3	6	9	6	5	11	7	9	6	11	5	5	5	6	5	5	13	10	157
Yamagata	4	10	2		5		12	8	10	7	14	7	12	10	18	6	14	4	12	12	14	21	16	8	226
Fukushima	10	9	16		19		14	17	12	21	26	20	17	24	21	15	19	21	25	24	21	26	41	32	450
Ibaraki	18	14	17		17		17	16	19	30	18	25	16	32	20	27	25	25	19	25	26	30	28	32	496
Tochigi	17	15	19		14		9	14	13	19	19	25	13	11	25	22	26	20	25	23	22	16	35	31	433
Gunma	18	15	12		23		19	19	26	18	16	17	13	14	15	24	14	19	24	19	19	20	32	28	424
Saitama	30	40	30		44		49	37	54	53	50	54	59	55	65	57	52	64	75	80	80	89	118	92	1,327
Chiba	55	47	58		41		41	55	51	57	54	46	54	66	72	66	55	64	72	109	108	74	90	104	1,439
Tokyo	98	121	146		138		153	180	192	215	202	185	203	203	222	222	225	262	278	297	327	322	348	354	4,893

Tokushima	5	7	2		5		4	5	8	6	6	6	2	7	8	4	9	7	10	12	3	14	12	16	158
Kagawa	10	11	7		9		11	10	5	9	19	6	4	9	10	11	13	9	15	23	14	12	8	11	236
Ehime	13	18	16		20		11	4	16	18	11	21	16	14	16	19	14	19	11	20	23	24	20	17	361
Kochi	14	13	12		14		17	5	7	11	6	9	14	10	9	12	13	10	15	11	10	6	18	5	241
Fukuoka	44	36	71		69		70	70	53	54	59	59	58	71	64	59	64	54	64	81	68	60	78	74	1,380
Saga	9	5	8		8		10	8	12	16	7	6	5	14	8	16	10	12	13	12	15	12	15	12	233
Nagasaki	6	9	11		7		12	12	9	10	15	15	22	12	25	25	15	15	15	10	13	19	30	29	336
Kumamoto	9	16	16		7		23	14	16	20	18	16	17	20	18	12	18	19	26	27	20	26	26	26	410
Oita	10	9	15		13		17	11	12	10	13	4	14	13	10	13	9	10	17	16	10	17	17	21	281
Miyazaki	9	10	6		9		6	7	9	9	19	13	8	10	9	7	9	16	11	18	4	12	14	21	236
Kagoshima	2	6	12		7		5	19	14	12	11	15	16	8	14	15	7	19	23	16	19	16	10	13	279
Okinawa	8	7	4		4		10	11	10	14	9	13	11	6	8	14	10	16	20	20	15	17	25	19	271
total	956	1,047	1,196	1,171	1,144	1,215	1,213	1,264	1,310	1,378	1,297	1,324	1,324	1,349	1,420	1,386	1,401	1,472	1,603	1,760	1,698	1,792	2,059	1,930	33,709

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)

Return to https://www.jisha.or.jp/english/statistics/2022e_industry.html

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Fatal accidents in security service in Japan in 1999-2022

Type of fatal accidents in security service 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	2	4	1	1	2	3	2	6	2		7	1	1	3	2	1	5	2	2	2	1	1	1	4	56
falling to same level		1		1	1	1				1		1		2	1	1			2	1		1		1	15
crash	1				1																				2
struck by flying or falling object	1	1		1	1									1	1										6
collapse												1													1
crashed by	7	4	2	7	1	4	5	4	2	4	4	3	1	1	3		1	4	4	2	2	3	3	1	72
caught in/between	6	3	5	5	2	5	8	6	4	3	1	7	4	1	2	2		1	3	1	1	3	4	2	79
cut																									
injury to the sole of the foot																									
drown	1					1		2	1				8			1	2	2	2	4	3	2	1		30
contact to high/low-temperature		1			1				2		1	2	3	2	2		7		2	4	4	1	1	6	39
contact to harmful substance			1		1																	2			4
electric shock																				1					1
explosion																									
burst			1																						1
fire																									
traffic accident (public road)	27	32	24	39	30	13	29	15	20	21	19	14	15	15	24	10	12	13	14	12	10	15	14	10	447
traffic accident (others)	1		1											2					2						6

60 years old or more	14	17	12	18	13	12	16	18	13	11	11	15	19	13	24	10	11	11	24	13	11	20	20	19	365
total	47	47	35	56	40	28	45	33	34	30	32	31	36	27	35	16	29	23	33	31	21	28	28	25	790

Workers' number of workplace of fatal accidents in security service 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	5	3	4	6	1	2	2	3	7	2	2	4	2	1	5	2	4	2	2	1	1	2	2	1	66
10-29	9	14	6	14	8	8	12	6	8	4	6	12	7	7	6	2	4	8	10	8	7	6	6	5	183
30-49	11	6	12	13	15	10	11	6	9	10	10	6	13	9	13	5	5	6	7	6	5	8	3	7	206
50-99	10	9	10	15	9	1	6	9	3	9	8	4	7	5	3	3	9	4	7	9	2	7	6	3	158
100-299	10	14	3	7	2	7	12	9	6	4	6	2	5	5	6	4	5	1	6	5	6	5	10	7	147
300 workers or more	2	1		1	5		2		1	1		3	2		2		2	2	1	2			1	2	30
total	47	47	35	56	40	28	45	33	34	30	32	31	36	27	35	16	29	23	33	31	21	28	28	25	790

Month of fatal accidents in security service 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	2	2	3	1	5	1	2	4	3	3	2	5	1	2	1	1	1	1	2	3		2	3	2	52
February	12	2	6	8	5	4	8	2	5	1	3	3	1	4	3	2	5	5	5	4	2	1	1	3	95
March	3	7	7	5	4	4	4	4	6	6	2	3	12	1	3	2	3	3	1	2	2	3	1		88
April	4	4	3	4			2	3	2		1	2	3	2	1	2		1	1	2	3	1			41
May	2	2	1		2	2	1	2	3		2	1	1		1		1	2	2			2	3	1	31
June	1	5	2	6	1	2	3	2	4	3	2	3	1	3	3		1	1	1	4		3	3	3	57

July	1	7		7	1	2		4	1	4	1	4	3	3	1	3	4	2	3	6	2	3	4	5	71
August	3	4	2	2	6		2	2	5	2	5		5	4	5		9	1	4	2	4	3	3	4	77
September	8	3	2	6	1	2	7	1	3	3	4		4	1	3		1		5	3	6	1	3	1	68
October	3	2	2	5	3	2	4	2	1	3	6	3	3	1	3	2		2	3	3		2	3	4	62
November	3	4	5	9	6	4	4	4		3	1	3	1	4	3	3	3	4	4		1	4	2	1	76
December	5	5	2	3	6	5	8	3	1	2	3	4	1	2	8	1	1	1	2	2	1	3	2	1	72
total	47	47	35	56	40	28	45	33	34	30	32	31	36	27	35	16	29	23	33	31	21	28	28	25	790

Prefecture of fatal accidents in security service 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	4	1	5	7	3	1	3		2	1	2	2	1	3	2	1		1	1	2	1	1	1	3	48
Aomori				1			1				1										1				4
Iwate		1	2	1								1	3						1						9
Miyagi		1	1	1					1			2	7		2	1	1	1			2				20
Akita																									
Yamagata				2																	1				3
Fukushima		1		1		3			1	1			1									1	3	1	13
Ibaraki	1	1	2		2						2		1		1	1									11
Tochigi	2	2	2	1	2	2				2				1			1			2	1				18
Gunma		1		1	1		1		2		1	1			1			1	2	1			1	1	15
Saitama	1	1		1	2	1	4	1	1		1		3	2	1	1			2				1	1	24
Chiba	4	1	2	1	2		1	2		3	2	1			1		1	1	1		2	1	1	1	28

