

substance	2		1	1			1	1							1	1								3		1	1	13
electric shock																1								1				2
explosion											2	1													2			5
burst															1	1												2
fire		1	9			1																						11
traffic accident (public road)	764	821	754	737	732	650	608	627	635	528	541	565	551	520	465	427	415	471	433	345	332	279	311	281			12,792	
traffic accident (others)	10	5	1	3	3	1	1	3	2	3	3	3	4	2	3	1	1	5	2	3	7		3	3			72	
reaction to motion/improper motion	81	78	68	61	80	74	81	79	83	98	72	77	82	87	95	75	61	80	89	85	98	103	98	89			1,974	
others	4	10	7	4	6	8	8	4	8	3	12	5	20	7	25	7	7	5	7	6	2	33	76	10			284	
unclassifiable	9	3	9	4	5	5	2	3	3	2	3	2	1	1	3	1	1	4	2	1	5	1					70	
total	1,503	1,564	1,538	1,431	1,456	1,359	1,270	1,362	1,353	1,282	1,268	1,269	1,308	1,270	1,150	1,091	1,077	1,148	1,199	1,093	1,045	984	1,115	946			30,081	

Causal agents (large) of fatal and non-fatal accidents in financial business 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	9	3	6	1	2	6	6	3	3		2	3		1	2	4	1	2	1	1	5	2	1	2		66
crane, conveying machine	831	878	803	777	764	688	642	651	671	553	575	596	556	529	482	453	419	466	443	350	354	286	320	300		13,387
other equipment	94	101	119	104	113	110	105	130	114	116	106	98	126	111	93	87	92	104	122	103	110	94	113	87		2,552

general machine	8	3	6	1	2	6	5	3	2		2	3		1	2	3	1	1	1	1	3	2	1	2	59	
mobile silviculture machine																										
crane	1		4	1	1		3	1	3	1	2	6	3	1	2			2	1	1		2	1	3	39	
conveying machine	42	49	38	44	31	31	43	36	19	22	24	24	20	14	21	19	22	10	26	9	15	15	13	16	603	
vehicle	788	829	761	732	732	657	596	614	649	530	549	566	533	514	459	434	397	454	416	340	339	269	306	281	12,745	
pressure vessel											1					1									2	
chemical facilities																										
welding equipment																						1			1	
kiln, caldron			1																						1	
electric equipment	7	5	7	1	4	3	3	6	1	5	4	1	4	3	3	4	2	3	5	4	2	2	6	1	86	
human power machine, tools	53	56	62	69	62	67	61	77	51	63	64	56	70	61	48	45	47	62	62	53	48	43	48	39	1,367	
tools	19	27	26	20	33	25	29	32	46	27	27	28	29	29	20	26	29	25	34	31	41	30	36	27	696	
other equipments, facilities	15	13	23	14	14	15	12	15	16	21	10	13	23	18	22	11	14	14	21	15	19	18	23	20	399	
temporary buildings, establishments	418	443	460	419	444	426	395	450	454	480	465	457	468	480	411	419	454	465	500	508	449	451	473	416	10,805	
hazards, harmful substances	1		11	1				3	1		1	2			2	2			1		1	2	1	2	31	
materials	8	6	5	5	2	4	5	7	3	1	3	4	7	5	5	2	3	2	4	4	3	2	3	4	97	

facilities																									
other electrical equipment			1	1		2			2	1				1			1								9
human power cranes									1					1								1	1	4	
human power hauling equipment			60	60		60	75	51	61	62	55	69	60	45	44	47	62	62	53	46	43	46	38	1,099	
human power machine										1			1	1					1					4	
hand tool			2	2		1	2		1	1	1	1		1	1					1		1		15	
ladder			13	12		13	8	14	8	11	9	14	14	7	9	11	7	12	13	13	10	11	9	218	
slinging tool												1											1	2	
other tools			13	21		16	24	32	19	16	19	14	15	13	17	18	18	22	18	28	20	25	17	385	
other equipment, facilities			23	14		12	15	16	21	10	13	23	18	22	11	14	14	21	15	19	18	23	20	342	
scaffolding				1		1						1	1	1									1	6	
timbering																									
stairs, landing stage			197	201		178	207	218	225	203	203	194	198	174	183	200	184	224	187	179	173	196	171	3,895	
opening			2	1		2					2	1		1				2		1	1		2	15	
roof, beam, haze, crossbeam, principal rafter			1	1			1	1	1			2		2			2							11	
working platform, boot board			16	15		5	14	12	21	17	23	17	18	13	13	17	22	11	17	14	14	10	11	300	

passage			164		154		140	155	162	151	175	163	181	179	154	163	167	178	181	228	181	200	201	174	3,451
building, establishment			44		34		38	36	36	52	42	38	48	51	44	32	34	28	43	48	42	33	35	27	785
other temporary buildings, establishments			36		37		31	37	25	30	28	28	24	33	22	28	36	51	39	28	32	30	31	30	636
explosive substance												1													1
inflammable substance			9					1	1																11
inflammable gas											1				1							2			4
harmful substance								1								1					1		1		4
radiation																									
other hazards, harmful substances			2					1				1			1	1			1					2	9
metal material			3		2		2	1		1		1	4		3				2				1	1	21
lumber, bamboo			1					1			1													1	4
stone, sand, substance							1	2	1		2		2	2	1	1			1	2	1	1			17
other materials			1				2	3	2			3	1	3	1	1	3	2	2	3	1	1	1	2	32
load			11		8		16	11	17	22	25	12	5	15	15	11	13	15	16	11	21	22	12	23	301
machine/equipment as load					1		1			1		3	3		1							1		1	12
natural ground,			3		2		1	3	2		1	1	1		1		4		1	1	4	1	1	1	28

rock																									
standing tree					1			1			1						2	1							6
water					1		1	5	3	4	5	1	29	1	3	2	2		1	1			3		62
abnormal environment					1				1				2		1	1									6
high/cold temperature environment			4		2		2	1		1		2	3	2	4	2	1		2	7		1	4	4	42
other environments			30		33		24	20	17	17	13	20	25	29	29	39	23	24	24	35	13	15	20	20	470
other causal agent			31		25		17	23	17	24	23	19	21	19	30	15	15	19	21	21	20	47	90	22	519
no causal agent			46		50		51	49	46	52	45	47	59	70	68	52	47	48	62	48	61	60	74	63	1,098
unclassifiable			9		7		4	5	4	11	3	4	3	8	3	2	1	2	1	3	4			1	75
total	1,503	1,564	1,538	1,431	1,456	1,359	1,270	1,362	1,353	1,282	1,268	1,269	1,308	1,270	1,150	1,091	1,077	1,148	1,199	1,093	1,045	984	1,115	946	30,081

Workers age of fatal and non-fatal accidents in financial business 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	3	2		2		5	5	1	2	5	1	1	1	2				1	2	1		6	1	42
20-29	254	250	255	190	194	187	159	171	151	128	159	161	165	131	171	118	135	141	142	147	114	119	139	104	3,885
30-39	312	351	320	297	335	297	274	281	271	251	257	246	221	199	180	163	153	167	197	129	138	113	161	133	5,446
40-49	313	345	332	351	322	313	299	311	327	303	340	311	341	347	298	265	233	264	241	204	195	181	178	160	6,774
50-59	468	493	491	437	464	436	386	445	459	450	337	346	381	369	325	342	347	364	395	335	344	344	371	297	9,426
60 years old or	155	122	138	156	139	126	147	149	144	148	170	204	199	223	174	203	209	212	223	276	253	227	260	251	4,508

June	148	143	148	129	141	116	129	127	117	105	127	111	94	94	105	96	86	92	111	87	88	104	99	76	2,673
July	121	140	118	144	119	116	95	133	116	132	106	123	131	112	94	78	84	105	77	80	112	99	90	77	2,602
August	142	124	109	118	92	107	92	99	103	76	92	77	107	79	80	72	88	99	96	86	81	57	82	74	2,232
September	130	119	124	108	109	126	101	109	105	85	100	89	107	81	99	87	87	84	104	85	89	90	73	74	2,365
October	113	118	135	123	131	111	99	120	109	119	128	111	93	102	108	89	89	95	115	93	95	86	89	86	2,557
November	121	116	116	125	117	97	102	105	146	95	90	90	120	111	91	93	97	112	98	81	74	68	85	71	2,421
December	132	126	133	104	132	93	96	104	102	87	118	109	96	108	88	79	98	96	94	84	100	135	111	98	2,523
total	1,503	1,564	1,538	1,431	1,456	1,359	1,270	1,362	1,353	1,282	1,268	1,269	1,308	1,270	1,150	1,091	1,077	1,148	1,199	1,093	1,045	984	1,115	946	30,081

Prefecture of fatal and non-fatal accidents in financial business 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	100	78	75		69		60	57	53	66	50	52	66	72	51	43	54	53	49	46	44	37	40	40	1,255
Aomori	19	23	30		16		20	15	17	18	9	14	16	14	15	23	5	9	16	13	11	17	10	7	337
Iwate	11	13	12		13		16	12	13	11	12	12	22	9	7	13	7	7	13	5	10	12	8	5	243
Miyagi	28	32	29		36		33	37	49	32	30	31	39	33	36	31	32	25	27	25	24	21	24	22	676
Akita	9	14	11		18		8	10	11	8	10	12	9	5	6	5	8	9	9	6	4	7	8	6	193
Yamagata	9	12	11		19		9	13	9	16	14	13	12	13	8	10	15	15	11	10	10	11	4	4	248
Fukushima	13	7	14		23		27	15	23	14	26	20	19	15	15	15	12	18	15	17	8	18	12	8	354
Ibaraki	28	27	23		29		22	23	16	20	18	27	26	18	22	14	22	23	15	24	18	19	28	18	480
Tochigi	18	22	16		14		15	20	20	21	16	22	18	16	13	10	6	17	11	17	7	15	13	16	343
Gunma	20	27	25		28		18	19	26	21	18	19	20	18	15	23	21	17	17	13	12	19	21	18	435
Saitama	52	39	71		65		53	72	62	45	50	51	57	61	53	40	55	51	50	48	43	44	53	48	1,163

Hiroshima	44	42	44		38		30	50	29	33	40	23	27	20	30	35	30	48	32	29	26	33	35	18	736
Yamaguchi	23	32	32		20		20	21	17	17	17	22	21	13	9	17	16	15	7	14	10	13	16	7	379
Tokushima	18	9	19		4		6	6	12	5	7	11	12	10	10	6	5	5	5	6	3	4	13	6	182
Kagawa	18	21	14		15		17	14	23	9	9	14	9	11	14	13	14	6	8	7	10	5	7	7	265
Ehime	22	23	9		9		12	14	15	15	25	26	15	20	13	19	13	18	24	23	11	12	18	9	365
Kochi	12	19	17		5		11	9	13	4	7	10	9	9	6	16	6	4	8	8	5	7	7	2	194
Fukuoka	73	64	76		87		65	97	78	70	77	73	64	66	66	64	60	43	66	59	53	57	51	49	1,458
Saga	11	20	15		24		11	10	13	14	12	13	5	15	13	14	11	12	13	12	13	11	8	7	277
Nagasaki	17	12	23		15		17	16	21	23	16	14	16	17	14	15	19	14	12	10	26	16	12	12	357
Kumamoto	35	29	21		24		25	16	15	21	21	23	17	25	15	14	17	28	18	20	28	15	21	16	464
Oita	19	16	27		12		12	10	9	9	15	9	3	6	5	8	7	9	14	17	12	4	4	5	232
Miyazaki	16	30	22		25		15	29	20	23	13	13	20	17	13	15	5	5	13	16	6	17	19	14	366
Kagoshima	18	13	12		26		20	24	16	15	8	25	14	22	20	11	15	21	21	17	15	16	21	10	380
Okinawa	5	3	1		9		5	7	6	7	7	7	8	15	7	11	5	2	11	8	1	3	9	1	138
total	1,503	1,564	1,538	1,431	1,456	1,359	1,270	1,362	1,353	1,282	1,268	1,269	1,308	1,270	1,150	1,091	1,077	1,148	1,199	1,093	1,045	984	1,115	946	30,081

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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traffic accident (public road)	13	7	7	10	8	6	6	5	2	5	1	5	8	2	3	1	2	4	1	1	1	3		4	105
traffic accident (others)	1						1			1									1	1					5
reaction to motion/improper motion																									
others	1	1		1			2	1					11	1	1	1	2	1		1		1	2		27
unclassifiable						1					1										1				3
total	15	9	14	12	8	8	9	6	3	7	3	6	37	3	5	2	4	6	3	3	2	4	3	4	176

Causal agents (large) of fatal accidents in financial business 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																									
crane, conveying machine	14	7	9	10	8	6	7	5	2	6	1	5	8	2	3	1	2	4	2	2	1	3		4	112
other equipment							1																		1
temporary buildings, establishments		1		1						1	1	1			1			1	1				1		9
substance, material			5																						5
load						1																			1
environment													29												29
others	1	1		1		1	1	1	1		1			1	1	1	2	1		1	1	1	2		19
total	15	9	14	12	8	8	9	6	3	7	3	6	37	3	5	2	4	6	3	3	2	4	3	4	176

Causal agents (middle) of fatal accidents in financial business in 1999-2022

Nara	1																							1	2	
Wakayama			1		1																					2
Tottori																										
Shimane	1															1										2
Okayama	1	1								1																3
Hiroshima		1	2				1								1				1					1		7
Yamaguchi															1			1								2
Tokushima																								1		1
Kagawa						1																				1
Ehime		1																								1
Kochi								1															1			2
Fukuoka											1				1											2
Saga																										
Nagasaki																										
Kumamoto							1							1												2
Oita	1	1																								2
Miyazaki																		1								1
Kagoshima		1					1													1						3
Okinawa						1																				1
total	15	9	14	12	8	8	9	6	3	7	3	6	37	3	5	2	4	6	3	3	2	4	3	4	176	

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

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