







general machine	167	167	143	166	148	153	134	134	124	111	118	110	124	114	106	98	101	84	91	90	107	105	88	84	2,867
mobile silviculture machine																				1	1		1	2	5
crane	59	59	53	56	67	59	74	51	39	49	46	40	45	35	50	29	41	44	37	37	39	40	33	34	1,116
conveying machine	393	391	401	416	401	413	380	365	340	351	314	345	328	330	358	309	313	297	336	333	347	423	391	336	8,611
vehicle	581	640	655	694	671	707	717	731	739	719	703	683	672	730	752	676	732	672	668	674	693	640	677	633	16,459
pressure vessel	3	3	10	5	9	4	7	4	3	3	3	2	6	4	6	1	3	3	3	6	3	4	1	1	97
chemical facilities		1		1	3		3			2			1	1	1				1	1	2			1	18
welding equipment	4	2	6	4	2	6	5	2	2	2	4	2	1	2	1	2	1	5	1	2	1		1	4	62
kiln, caldron	5	4	3	2	2	1	3	5	5	1	4		5	6		2	2		1	3	1	4	3	5	67
electric equipment	20	13	16	16	15	22	18	13	13	21	22	17	16	14	20	15	17	21	17	26	12	28	25	17	434
human power machine, tools	194	250	261	238	245	247	267	251	278	265	269	288	240	260	246	264	254	263	288	314	318	298	298	308	6,404
tools	366	371	387	383	398	440	431	443	434	398	394	437	472	440	428	438	403	470	507	486	513	496	551	509	10,595
other equipments, facilities	117	120	124	91	113	166	143	137	149	148	153	172	158	133	184	162	173	165	165	154	190	171	178	190	3,656
temporary buildings, establishments	1,306	1,354	1,554	1,462	1,620	1,690	1,658	1,775	1,694	1,793	1,671	1,770	1,875	1,907	1,771	1,974	1,960	2,110	2,237	2,442	2,323	2,358	2,563	2,538	45,405
hazards, harmful substances	27	31	39	28	28	29	28	36	24	21	19	21	25	21	18	15	28	21	22	30	22	28	17	22	600
materials	251	291	286	257	243	268	234	240	228	198	185	185	208	204	184	193	166	178	191	178	180	143	158	173	5,022











conveying machines			21		24		25	27	17	15	11	15	23	19	23	23	12	10	11	15	22	18	21	14	366
cars, bus, motorcycle			608		639		676	690	703	679	666	650	635	686	718	641	703	650	632	643	656	615	653	594	13,137
railway vehicle			3		1		10	1	2	5	2	3	3	3	2	7	2	5	6	3	9	3	1	3	74
other vehicles			44		31		31	40	34	35	35	30	34	41	32	28	27	17	30	28	28	22	23	36	626
boiler			2				4		1			1	3	1			1				2	1			16
pressure vessel			4		1			1						1	2		1	2	3	2					17
other pressure vessels			4		8		3	3	2	3	3	1	3	2	4	1	1	1		4	1	3	1	1	49
chemical facilities					3		3			2			1	1	1				1	1	2			1	16
gas welding equipment			1		1		1			2	2					2		2		1				1	13
arc welding equipment			5				2	1	1		2		1		1		1	2	1	1	1		1	1	21
other welding equipment					1		2	1	1			2		2				1						2	12
kiln, caldron			3		1		3	4	3	1	3		3	3		1	2			3	1	4	1	2	38
industrial dryer									1					3									2	3	9
other kiln, caldron					1			1	1		1		2			1			1						8
transmission			4		6		6	2	3	10	8	6	7	7	5	7	5	8	4	8	5	11	16	6	134
electric power facilities			3		7		6	5	4	5	5	4	4	7	8	4	6	6	6	13	4	6	2	6	111
other electrical			9		2		6	6	6	6	9	7	5		7	4	6	7	7	5	3	11	7	5	118





water			9		13		4	20	12	12	18	9	91	9	20	13	15	13	6	22	7	11	10	7	321
abnormal environment			2		2		4	6	1	1		3	4	9	5	1		1	1	3	3	1	4	2	53
high/cold temperature environment			31		22		33	39	29	28	17	66	40	48	86	52	66	52	58	165	118	140	105	154	1,349
other environments			196		158		169	129	119	148	167	155	217	202	206	267	177	227	229	255	193	178	254	325	3,971
other causal agent			225		190		212	198	203	173	182	158	208	133	154	146	188	145	182	164	179	328	1,092	172	4,632
no causal agent			214		260		282	292	288	310	323	363	326	365	344	334	373	344	387	482	478	503	559	564	7,391
unclassifiable			56		49		32	40	32	45	29	28	23	25	29	28	25	21	21	30	27	18	13	22	593
total	4,693	5,001	5,284	5,083	5,299	5,529	5,408	5,482	5,324	5,347	5,169	5,353	5,589	5,531	5,491	5,505	5,562	5,645	5,969	6,439	6,290	6,439	7,520	6,677	135,629

#### Workers age of fatal and non-fatal accidents in others 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	100	99	89	82	96	84	75	61	52	82	58	46	50	47	55	64	72	57	62	71	72	62	48	62	1,646
20-29	1,037	1,063	1,048	1,018	992	1,019	848	853	807	784	675	703	665	639	624	619	631	614	673	684	657	638	873	664	18,828
30-39	776	865	905	932	1,003	1,088	994	1,013	1,020	1,032	972	988	979	943	880	816	804	784	832	809	741	791	876	702	21,545
40-49	795	824	907	872	913	932	976	951	907	915	1,000	1,023	1,172	1,151	1,126	1,096	1,155	1,182	1,248	1,288	1,188	1,138	1,352	1,073	25,184
50-59	1,082	1,227	1,344	1,277	1,288	1,401	1,467	1,485	1,393	1,356	1,226	1,256	1,352	1,284	1,296	1,312	1,300	1,366	1,359	1,521	1,540	1,571	1,870	1,666	33,239
60 years old or more	903	923	991	902	1,007	1,005	1,048	1,119	1,145	1,178	1,238	1,337	1,371	1,467	1,510	1,598	1,600	1,642	1,795	2,066	2,092	2,239	2,501	2,510	35,187
total	4,693	5,001	5,284	5,083	5,299	5,529	5,408	5,482	5,324	5,347	5,169	5,353	5,589	5,531	5,491	5,505	5,562	5,645	5,969	6,439	6,290	6,439	7,520	6,677	135,629



September	430	477	458	423	446	483	465	465	430	420	398	443	502	428	424	453	442	479	498	530	553	568	573	553	11,341
October	412	427	469	468	473	487	449	475	457	428	486	472	452	477	511	462	482	462	540	566	508	564	574	527	11,628
November	406	404	454	412	408	462	407	442	460	415	407	429	444	434	420	435	474	469	483	511	531	555	515	531	10,908
December	370	401	412	415	443	403	473	402	421	392	408	431	443	427	446	453	415	434	495	466	465	576	570	553	10,714
total	4,693	5,001	5,284	5,083	5,299	5,529	5,408	5,482	5,324	5,347	5,169	5,353	5,589	5,531	5,491	5,505	5,562	5,645	5,969	6,439	6,290	6,439	7,520	6,677	135,629

Prefecture of fatal and non-fatal accidents in others 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	281	291	328		277		243	251	276	236	238	260	266	279	280	258	257	281	267	281	272	320	355	273	6,070
Aomori	71	61	62		75		58	60	50	54	58	53	62	57	56	60	42	50	49	56	50	60	74	48	1,266
Iwate	50	41	47		34		43	60	18	34	37	31	83	42	59	60	31	47	43	54	50	34	61	60	1,019
Miyagi	90	80	86		84		68	80	85	75	87	85	150	113	114	103	103	89	104	121	100	141	189	108	2,255
Akita	48	36	46		44		29	40	41	28	24	43	29	40	28	30	21	23	27	37	41	40	55	37	787
Yamagata	45	36	21		33		45	35	36	34	42	37	50	43	46	40	39	31	40	39	35	55	60	49	891
Fukushima	58	53	53		73		49	73	49	70	59	58	61	80	64	56	62	80	77	73	74	76	106	80	1,484
Ibaraki	74	58	90		82		64	76	91	101	73	112	86	95	82	107	106	100	92	117	108	124	125	119	2,082
Tochigi	64	48	64		54		65	57	46	54	57	60	54	45	79	56	59	48	60	74	65	72	78	90	1,349
Gunma	113	93	70		94		71	78	77	63	53	44	50	53	68	72	51	65	80	64	65	58	82	95	1,559
Saitama	145	150	149		197		206	217	225	226	209	223	222	249	235	193	208	215	246	257	262	308	347	310	4,999
Chiba	157	181	192		180		211	200	230	266	185	191	192	204	194	205	215	237	223	313	289	242	310	298	4,915
Tokyo	552	634	681		752		788	840	846	799	809	846	937	942	925	943	960	1,003	1,110	1,185	1,124	1,058	1,213	1,134	20,081
Kanagawa	255	359	302		314		362	391	346	316	299	343	348	338	337	346	333	346	360	393	401	410	499	467	7,865

Niigata	46	82	80		79		81	61	81	66	73	76	88	82	81	76	59	85	69	74	79	72	111	75	1,676
Toyama	38	51	48		33		36	40	32	30	39	32	48	36	39	34	34	33	41	41	28	39	43	46	841
Ishikawa	32	34	23		41		31	32	28	28	40	37	51	46	35	42	38	41	44	48	55	66	63	56	911
Fukui	32	26	32		31		21	20	20	25	22	23	25	23	27	32	24	35	29	34	32	33	49	30	625
Yamanashi	17	22	30		33		36	38	36	41	34	41	32	18	25	23	21	21	26	27	29	26	41	36	653
Nagano	65	85	83		79		82	76	68	61	80	75	79	81	71	95	85	88	65	96	97	61	70	60	1,702
Gifu	70	51	67		76		61	62	73	60	40	55	57	53	52	70	65	63	71	76	67	86	92	74	1,441
Shizuoka	104	84	127		126		120	102	117	130	92	101	116	105	108	95	114	111	134	160	136	156	148	167	2,653
Aichi	232	295	297		266		293	295	279	325	314	320	289	308	342	318	340	336	354	369	393	362	430	449	7,206
Mie	61	55	61		85		59	62	62	70	64	91	60	78	67	56	64	60	70	73	76	79	76	83	1,512
Shiga	38	32	32		28		46	60	67	46	51	52	51	47	39	45	50	33	50	46	60	51	77	64	1,065
Kyoto	78	95	115		107		83	110	88	105	116	119	122	93	109	100	114	105	111	105	102	101	133	122	2,333
Osaka	539	645	641		683		757	670	654	660	626	599	602	595	564	610	706	618	696	659	707	678	839	669	14,417
Hyogo	244	214	235		214		239	212	214	234	216	222	205	224	227	254	268	251	246	268	252	259	265	296	5,259
Nara	25	37	41		27		51	48	38	48	61	38	41	49	42	39	52	60	60	82	59	59	59	60	1,076
Wakayama	47	25	35		38		40	43	53	54	39	31	46	34	52	31	41	39	40	51	37	48	35	35	894
Tottori	17	16	14		18		8	18	15	15	11	11	12	7	18	11	8	10	14	9	15	16	19	24	306
Shimane	36	27	32		38		37	39	31	24	28	25	32	26	19	27	16	23	26	27	28	29	38	22	630
Okayama	53	62	55		51		82	73	45	60	72	58	75	60	64	48	67	58	67	80	77	70	105	67	1,449
Hiroshima	148	154	179		95		139	116	106	133	114	114	122	117	112	138	111	126	130	123	117	157	199	135	2,885
Yamaguchi	33	38	51		35		39	48	57	37	35	61	47	43	39	47	34	30	44	50	42	45	55	46	956
Tokushima	33	34	41		33		26	29	24	30	24	23	10	35	36	30	28	25	30	32	25	33	40	43	664
Kagawa	43	29	38		36		39	56	46	37	52	39	37	41	42	55	60	49	54	58	56	81	45	43	1,036

Ehime	66	70	65		78		67	45	52	58	44	65	46	54	48	39	31	41	37	52	63	43	56	50	1,170
Kochi	54	76	52		52		66	39	34	34	48	38	56	50	45	50	39	45	50	39	40	26	48	26	1,007
Fukuoka	152	164	219		193		204	219	174	150	158	213	216	240	229	217	218	209	224	288	278	252	296	256	4,769
Saga	40	24	32		29		39	39	35	53	40	40	37	43	34	35	31	45	38	33	32	45	39	38	821
Nagasaki	39	42	53		57		47	55	56	58	76	58	66	69	72	61	56	59	56	52	53	76	95	85	1,341
Kumamoto	69	58	65		82		63	71	81	59	73	64	86	79	93	75	77	101	100	88	92	118	114	84	1,792
Oita	47	44	53		43		44	30	36	30	38	30	31	31	25	34	38	21	34	38	32	36	33	45	793
Miyazaki	71	75	55		66		59	65	64	62	71	75	76	64	57	72	59	61	43	50	48	59	70	59	1,381
Kagoshima	49	69	73		77		57	82	77	70	62	74	59	47	46	35	48	58	60	55	58	81	72	61	1,370
Okinawa	72	65	69		77		54	69	65	98	86	67	79	73	65	82	79	90	78	92	89	98	111	103	1,761
total	4,693	5,001	5,284	5,083	5,299	5,529	5,408	5,482	5,324	5,347	5,169	5,353	5,589	5,531	5,491	5,505	5,562	5,645	5,969	6,439	6,290	6,439	7,520	6,677	135,629

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](https://www.jisha.or.jp/english/statistics/2022e_industry.html)

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Fatal accidents in others in Japan in 1999-2022

others industry Code No.17







construction machine	5	5	5	9	4	3	9	5	6	5	4	7	5	2	4	1	2	1	3	1	1	4	3	2	96
metal manufacturing machine																						1			1
general machine		1		1	1	4	2	1	2	1			1	2	1			1		1		1			20
mobile silviculture machine																					1				1
crane	2	2	3	4	3	1		3		4	1	1	3	1	2	1	2	5	2	1	2	1	2	4	50
conveying machine	29	22	19	24	17	21	28	14	16	9	15	18	11	7	16	12	9	14	15	10	7	14	12	6	365
vehicle	41	35	35	44	40	33	35	29	30	25	25	20	21	30	33	16	20	18	16	15	15	16	10	16	618
pressure vessel			1							1															2
chemical facilities																									
welding equipment																									
kiln, caldron						1																			1
electric equipment	1	3	1			1				1				2	1	1				4		1	1	2	19
human power machine, tools			1	2	1	1			1		1	2					1		2			1			13
tools		2	1	3	6	4	2	2	1			1		2	1		3		2	3	1	2	2	1	39
other equipments, facilities		1	3	2	1	1	2	1			1	2	1	1	1				2	1					20
temporary buildings, establishments	14	8	8	7	7	11	7	12	9	10	9	9	4	7	8	8	8	8	7	9	7	6	7	13	203
hazards, harmful substances		1	1		2				1				1				1	1			1	3	1		13
materials							2	2								1	1								6
load	1		2	1	1	1		1	1			2	1				1		1	1		1			15
natural environment	3	9	7	5	8	6	3	9	7	2	14	8	90	6	12	7	16	9	9	12	10	8	4	11	275
other causal agent		2	1	2	3	6	2	1				1	1			2				1		4	12		38
no causal agent	1					1	2	4	6	1	1	8	8	9	5	8	11	10	6	5	4	2	3		95

unclassifiable		1		1	1		1		1			1	1	1					1			1	1		11
total	97	92	88	105	95	95	95	84	81	60	71	80	148	70	84	57	75	68	66	64	49	66	58	55	1,903

Causal agents (small) of fatal accidents in others 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																									
power transmission mechanism										1								1							2
circular sawing machine																									
band sawing machine																									
wood planer machine																									
hollow chisel mortiser, wood borer																									
chamfering machine, router, woodworking milling machine																									
chain saw																									
other woodworking machines																									
leveling, transporting or loading machine		3		2	2		2		3	1									2	1					16
excavating machine	2		3	3	1	2	4	3	2	3		3	3	1	1				1			2	1	1	36
foundation work machine		1																							1
hardening machine	1			1	1		1	1		1		2		1	1	1								1	12
demolition machine																									
vehicle for high lift work		1	1	2				1	1		1	1	1		1		1				1		1		13





pressure vessel																										
other pressure vessels			1							1															2	
chemical facilities																										
gas welding equipment																										
arc welding equipment																										
other welding equipment																										
kiln, caldron																										
industrial dryer						1																			1	
other kiln, caldron																										
transmission		1				1								1											3	
electric power facilities	1	1	1							1				1	1	1				4		1	1	2	15	
other electrical equipment		1																							1	
human power cranes					1																				1	
human power hauling equipment			1	1							1	2					1		2			1			9	
human power machine																										
hand tool				1		1			1																3	
ladder		1	1	2	5	3	2	1	1			1		2	1		3		1	3	1	2	2	1	33	
slinging tool		1			1																				2	
other tools				1		1		1										1							4	
other equipment, facilities		1	3	2	1	1	2	1			1	2	1	1	1			2	1						20	
scaffolding																										
timbering																										
stairs, landing stage	2	1	2			1	1	2	2	2		1		1	1		1	3	1	1	1	1	1	1	4	29

opening	2	1	1			1	1			2	1	1		1	1	1	1		2			1		1	18
roof, beam, haze, crossbeam, principal rafter	2		1	2	3	1			1		1	1	1	1			1			1	1		1		18
working platform, boot board											1					1				1		2		2	7
passage		1		1		2		3				1	1	1		2		1	1			1	3	1	19
building, establishment	8	5	3	3	2	5	4	7	4	5	6	2	2	3	4	3	4	4	2	5	4		1	3	89
other temporary buildings, establishments			1	1	2	1	1		2	1		3			2	1	1		1	1	1	1	1	2	23
explosive substance																									
inflammable substance																									
inflammable gas													1												1
harmful substance		1	1		2				1								1					3	1		10
radiation																									
other hazards, harmful substances																	1			1					2
metal material							1									1	1								3
lumber, bamboo																									
stone, sand, substance							1	1																	2
other materials								1																	1
load	1		2	1		1		1	1			2	1				1		1			1			13
machine/equipment as load					1															1					2
natural ground, rock		1	5		2	1	1	4	1		3	1	1	1	2	1	5	1	2	2		2	1	1	38
standing tree	1		1		2	1		1				1		1		2					3	2			15
water	2	6	1	2	2	2	1	2	1		7	2	84	2	5	3	2	7	3	5		2	2		143





9 workers or less	23	23	24	23	18	20	18	16	18	13	11	17	58	17	24	14	22	15	10	10	8	9	9	15	435
10-29	21	26	23	23	22	27	29	20	21	8	20	30	44	14	15	12	17	20	19	17	17	22	12	11	490
30-49	14	12	18	18	24	15	14	13	17	17	18	12	18	13	19	11	9	19	10	14	11	11	7	8	342
50-99	19	11	13	21	14	9	8	14	7	12	13	6	11	10	7	6	12	4	12	11	5	10	12	5	252
100-299	14	19	8	13	11	18	18	17	12	8	9	7	11	13	10	9	9	6	9	8	6	12	13	12	272
300 workers or more	6	1	2	7	6	6	8	4	6	2		8	6	3	9	5	6	4	6	4	2	2	5	4	112
total	97	92	88	105	95	95	95	84	81	60	71	80	148	70	84	57	75	68	66	64	49	66	58	55	1,903

#### Month of fatal accidents in others 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	7	7	5	4	7	10	5	5	7	5	4	8	7	6	5	5	8	3	8	5	1	4	6	4	136
February	17	4	7	8	13	11	11	7	9	6	6	5	5	8	5	5	9	7	9	9	5	4	4	6	180
March	6	12	11	12	13	11	6	11	8	9	9	6	88	7	5	8	8	7	2	3	6	7	3	3	261
April	6	7	7	5		5	7	6	6	2	4	9	5	7	4	6	3	5	3	4	8	5	2	3	119
May	4	5	4	2	6	8	4	6	8	2	3	7	2	2	7	3	2	8	5	3	1	4	9	3	108
June	5	8	6	11	6	9	11	7	11	5	5	6	7	5	6	2	6	1	3	4	1	4	7	6	142
July	5	8	4	15	7	4	2	9	3	6	3	7	5	7	6	4	5	12	4	8	4	6	6	6	146
August	10	9	8	5	9	5	8	9	10	3	12	6	11	8	10	6	13	3	8	6	6	7	8	7	187
September	14	9	7	11	7	6	10	7	7	4	7	2	6	5	6	5	9	4	7	7	9	2	3	5	159
October	8	6	7	8	8	7	8	5	2	9	7	7	6	6	10	4	3	6	6	9		6	5	5	148
November	4	8	11	15	9	8	8	8	6	7	5	8	2	6	10	4	4	9	5	3	4	6	2	3	155
December	11	9	11	9	10	11	15	4	4	2	6	9	4	3	10	5	5	3	6	3	4	11	3	4	162





Nagasaki		1	1		2	1	1		2		2	2	1		1	1		1	1							17
Kumamoto	1	1	3		1	1	1				1			1					2	1						13
Oita	1					3	4		1	1	1	1	1		1		1			2	1		1			19
Miyazaki	1	2	1		1	3		2	1			2		1	1	3										18
Kagoshima		3	2	2	1	1	1		2			1			1			1	1		1	1		1	1	19
Okinawa	2			1	3			1			3	1			1	1	2	1	2					1	1	20
total	97	92	88	105	95	95	95	84	81	60	71	80	148	70	84	57	75	68	66	64	49	66	58	55	1,903	

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](https://www.jisha.or.jp/english/statistics/2022e_industry.html)