





temporary buildings, establishments	624	642	706	651	754	724	750	781	739	774	727	761	822	809	808	812	783	878	854	983	903	1,090	1,122	1,153	19,650
substance, material	35	41	36	37	44	51	28	48	34	30	27	24	32	21	28	20	26	19	25	25	25	34	21	26	737
load	48	39	65	46	54	54	38	51	66	44	53	38	48	45	29	44	43	51	46	52	49	62	68	60	1,193
environment	89	78	122	92	105	108	103	101	127	89	82	117	119	112	109	135	108	121	115	124	99	140	130	156	2,681
others	641	614	644	672	750	715	747	740	823	901	784	782	866	846	856	825	871	847	926	998	930	3,929	6,816	1,190	28,713
total	1,812	1,808	2,018	1,943	2,147	2,103	2,087	2,208	2,222	2,300	2,073	2,194	2,333	2,282	2,250	2,308	2,313	2,430	2,504	2,733	2,543	5,842	8,765	3,245	64,463

Causal agents (middle) of fatal and non-fatal accidents in hospital 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		3		2	1					1			1				1						1			10
woodworking machine	2	3	3			6	4	2	1	1	1		2		1		1	1		3	1		3	1	36	
construction machine			3					11					1	1					1							17
metal manufacturing machine	1	2	2		1		2			1	1		1	1					1							13

general machine	37	47	48	46	43	46	30	37	32	29	26	23	14	29	17	34	19	24	18	14	23	19	12	21	688
mobile silviculture machine																									
crane	5	3	5	6	1	4	4	9	3	8	8	4	6	1	5	3	7	6	4	4	2	3	2	5	108
conveying machine	11	7	4	12	8	10	11	8	11	5	5	9	4	8	5	5	5	7	10	3	7	4	2	6	167
vehicle	48	45	72	49	65	64	55	71	53	58	47	57	64	54	49	71	45	65	63	62	64	68	58	76	1,423
pressure vessel	1	4	2	2	3	3	3	2	3	2	1	1	2	6	2	4	2	3	3		1	1	1	3	55
chemical facilities																									
welding equipment																		1							1
kiln, caldron	1	2	2	7	3	1		4	1	3	4	3	2	3	4	3	2	1	2	6	6		2	2	64
electric equipment	6	5	3	3	2	3	5	7	7	4	6	5	7	9	2	3	7	15	10	16	16	16	20	22	199
human power machine, tools	93	107	116	135	134	135	113	121	124	130	116	142	107	131	101	126	132	136	160	168	142	167	158	177	3,171
tools	107	96	109	109	128	112	123	136	120	144	109	128	138	120	142	132	148	157	172	161	170	185	206	218	3,370
other equipments, facilities	63	70	76	74	50	66	71	79	78	76	76	99	97	86	92	91	113	97	95	114	105	122	144	129	2,163
temporary buildings, establishments	624	642	706	651	754	724	750	781	739	774	727	761	822	809	808	812	783	878	854	983	903	1,090	1,122	1,153	19,650
hazards, harmful substances	15	11	11	11	15	15	7	19	6	12	10	8	10	8	9	10	8	6	10	6	4	5	6	3	225
materials	20	30	25	26	29	36	21	29	28	18	17	16	22	13	19	10	18	13	15	19	21	29	15	23	512











conveying machines			2		4		4	3	3	3	3	6	2	3	2		2	4	3	3	3	4	1	4	59
cars, bus, motorcycle			68		62		52	67	51	55	45	56	53	49	45	66	39	64	62	60	64	62	55	72	1,147
railway vehicle																									
other vehicles			4		3		3	4	2	3	2	1	11	5	4	5	6	1	1	2		6	3	4	70
boiler					1				1					1				1							4
pressure vessel			1				1	1	1	1			1	1	1	2									10
other pressure vessels			1		2		2	1	1	1	1	1	1	4	1	2	2	2	3		1	1	1	3	31
chemical facilities																									
gas welding equipment																									
arc welding equipment																		1							1
other welding equipment																									
kiln, caldron					3			3	1	3	2	2	1	1	2	2	2	1	2	5	5		2	1	38
industrial dryer											1		1	1											3
other kiln, caldron			2					1			1	1		1	2	1			1	1				1	12
transmission			1		1		1	2	5	4	5	4	4	6	2	2	7	10	8	12	13	8	13	19	127
electric power facilities																			1						1
other electrical			2		1		4	5	2		1	1	3	3		1		5	1	4	3	8	7	3	54





water			7		3		8	4	7	5	2	5	12	5	3	3	2	5	3	3	4	7	4	2	94
abnormal environment			2		2		1			1									1	6		2			17
high/cold temperature environment			6		5			7	1	1	5	5	8	7	7	4		1	5	2	5	5	2	8	84
other environments			102		88		89	87	110	80	69	102	96	92	96	119	103	106	104	109	86	126	119	141	2,024
other causal agent			359		346		365	371	396	476	314	348	394	359	374	316	352	318	379	352	357	3,223	6,024	383	15,806
no causal agent			219		368		348	319	376	372	432	399	438	441	449	468	497	508	523	634	562	692	778	791	9,614
unclassifiable			66		36		34	50	51	53	38	35	34	46	33	41	22	21	24	12	11	14	14	16	651
total	1,812	1,808	2,018	1,943	2,147	2,103	2,087	2,208	2,222	2,300	2,073	2,194	2,333	2,282	2,250	2,308	2,313	2,430	2,504	2,733	2,543	5,842	8,765	3,245	64,463

#### Workers age of fatal and non-fatal accidents in hospital 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	18	22	19	19	13	21	14	12	11	10	2	10	8	16	14	13	10	12	14	6	12	13	26	11	326
20-29	360	358	375	351	385	383	299	353	336	306	260	256	241	247	233	219	214	217	256	249	216	1,199	2,030	320	9,663
30-39	283	259	305	321	377	319	368	349	390	417	357	360	408	375	364	363	356	328	332	328	342	1,038	1,621	375	10,335
40-49	376	389	424	418	460	453	435	461	469	471	426	454	477	458	448	486	483	477	520	564	451	1,232	1,850	604	13,286
50-59	536	564	630	623	652	678	697	729	748	758	666	709	720	700	691	707	719	796	764	849	794	1,314	1,803	948	18,795
60 years old or more	239	216	265	211	260	249	274	304	268	338	362	405	479	486	500	520	531	600	618	737	728	1,046	1,435	987	12,058
total	1,812	1,808	2,018	1,943	2,147	2,103	2,087	2,208	2,222	2,300	2,073	2,194	2,333	2,282	2,250	2,308	2,313	2,430	2,504	2,733	2,543	5,842	8,765	3,245	64,463

Workers' number of workplace of fatal and non-fatal accidents in hospital 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	68	69	87	65	69	64	57	66	75	86	60	69	85	78	64	65	62	60	64	56	52	83	89	53	1,646
10-29	84	88	87	77	93	73	75	81	68	66	70	68	79	59	56	59	59	46	66	56	52	79	124	66	1,731
30-49	69	59	80	69	74	66	66	78	80	73	65	64	74	39	58	73	58	65	57	72	48	82	137	56	1,662
50-99	241	221	250	235	233	259	246	267	223	246	197	226	221	216	196	190	219	237	210	227	219	349	448	233	5,809
100-299	884	888	982	980	1,030	1,020	971	1,008	1,115	1,090	1,046	1,060	1,049	1,017	1,100	1,063	1,004	1,060	1,101	1,143	1,138	1,897	3,011	1,328	27,985
300 workers or more	466	483	532	517	648	621	672	708	661	739	635	707	825	873	776	858	911	962	1,006	1,179	1,034	3,352	4,956	1,509	25,630
total	1,812	1,808	2,018	1,943	2,147	2,103	2,087	2,208	2,222	2,300	2,073	2,194	2,333	2,282	2,250	2,308	2,313	2,430	2,504	2,733	2,543	5,842	8,765	3,245	64,463

Month of fatal and non-fatal accidents in hospital 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	142	171	215	160	173	190	183	220	160	174	169	190	180	235	206	204	187	233	200	250	210	220	2,211	302	6,785
February	164	165	160	159	180	195	172	181	169	217	180	206	201	215	180	205	199	207	224	250	204	213	1,345	253	5,844
March	147	160	138	175	207	204	157	177	196	195	166	182	193	207	163	206	195	170	232	183	193	311	713	273	5,143
April	159	138	148	149	176	166	163	149	195	172	160	181	187	190	230	188	205	191	192	252	200	744	849	251	5,635
May	154	137	188	166	184	169	152	218	214	157	187	170	230	168	167	194	180	203	210	222	207	433	720	250	5,280
June	159	191	191	162	179	209	171	195	210	260	204	203	198	180	209	222	195	233	218	240	257	345	322	287	5,240
July	172	146	164	189	181	192	196	194	220	216	192	198	204	215	215	214	231	225	249	277	262	430	382	278	5,442
August	179	143	166	179	181	161	177	191	211	200	187	188	224	199	203	220	186	198	229	229	231	559	868	296	5,805

September	149	144	161	155	174	180	173	173	176	188	179	170	204	178	179	195	196	199	191	231	212	390	504	286	4,987
October	135	168	195	160	211	158	192	192	190	200	159	172	162	181	190	152	188	198	225	233	203	370	322	276	4,832
November	125	116	130	164	162	137	171	156	174	166	149	170	192	161	135	173	180	200	178	185	196	679	256	279	4,634
December	127	129	162	125	139	142	180	162	107	155	141	164	158	153	173	135	171	173	156	181	168	1,148	273	214	4,836
total	1,812	1,808	2,018	1,943	2,147	2,103	2,087	2,208	2,222	2,300	2,073	2,194	2,333	2,282	2,250	2,308	2,313	2,430	2,504	2,733	2,543	5,842	8,765	3,245	64,463

Prefecture of fatal and non-fatal accidents in hospital 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	138	111	127		128		135	138	141	132	121	135	136	129	115	118	143	129	136	133	131	641	504	174	3,795
Aomori	25	17	19		11		13	20	14	15	16	15	30	30	22	27	17	32	27	28	24	18	57	31	508
Iwate	13	12	16		17		16	14	9	22	7	14	21	13	26	16	26	11	12	10	17	26	18	31	367
Miyagi	26	19	29		24		17	35	28	28	16	27	43	44	30	39	24	29	45	39	24	45	78	40	729
Akita	19	25	19		40		27	34	23	20	18	18	13	21	18	23	20	28	29	28	17	26	52	20	538
Yamagata	10	10	9		12		12	7	13	13	15	10	19	18	18	25	25	14	19	15	12	42	35	31	384
Fukushima	27	18	31		38		38	34	40	23	30	26	23	25	32	18	30	33	27	35	28	75	158	48	837
Ibaraki	33	25	26		36		30	40	28	43	31	19	35	31	38	39	43	48	48	40	46	72	159	41	951
Tochigi	13	15	20		21		20	22	21	26	24	16	17	18	19	27	33	21	26	19	18	49	104	33	582
Gunma	24	28	33		23		31	39	39	35	39	25	39	45	33	39	31	33	45	45	42	73	99	42	882
Saitama	50	65	59		63		76	77	82	78	84	84	84	81	75	82	70	82	82	94	93	222	459	137	2,279
Chiba	48	54	69		81		70	98	76	104	92	99	93	94	86	78	70	87	108	92	95	191	363	135	2,283
Tokyo	121	122	139		157		145	157	144	163	151	135	140	162	171	139	160	181	168	178	175	718	1,354	221	5,201
Kanagawa	96	92	115		97		94	98	108	95	95	89	107	102	93	99	109	124	117	117	133	370	492	153	2,995

Niigata	19	25	39		47		47	36	57	43	39	38	50	50	35	46	27	46	39	57	51	64	90	52	997
Toyama	12	9	16		17		19	31	12	24	17	14	24	17	28	17	20	33	20	26	17	43	28	31	475
Ishikawa	14	19	17		27		22	14	23	16	19	15	12	14	25	10	17	16	24	16	16	38	80	31	485
Fukui	7	12	16		13		13	13	9	15	15	15	15	19	12	15	9	20	10	37	19	22	26	31	363
Yamanashi	12	12	10		19		16	17	19	23	15	15	24	17	12	20	25	18	20	17	28	34	27	22	422
Nagano	15	20	23		22		40	18	37	37	22	29	30	33	31	36	28	38	34	35	22	34	91	40	715
Gifu	13	23	26		13		25	22	18	19	24	14	18	17	25	25	24	16	13	22	27	51	148	24	607
Shizuoka	37	34	49		43		54	55	45	32	51	47	49	40	33	57	54	55	60	64	61	68	157	82	1,227
Aichi	70	62	57		70		75	80	58	54	66	73	84	69	76	88	91	80	85	114	70	185	304	102	2,013
Mie	30	36	31		31		33	30	39	33	41	30	43	41	35	32	40	30	32	43	33	83	130	51	927
Shiga	6	9	9		7		12	21	9	18	18	12	20	25	28	16	17	18	16	28	18	46	50	29	432
Kyoto	57	54	57		61		55	81	53	56	62	58	52	61	64	51	55	48	50	49	64	114	199	96	1,497
Osaka	158	153	193		197		186	167	183	201	167	228	207	199	164	169	183	191	199	205	166	436	910	259	5,121
Hyogo	59	71	78		90		71	88	69	90	83	84	94	91	105	94	94	93	89	97	94	385	346	122	2,487
Nara	16	16	15		21		26	19	25	30	16	29	28	32	15	27	22	26	25	29	19	59	78	23	596
Wakayama	10	19	12		22		14	20	25	17	16	17	29	17	28	27	19	15	21	21	23	26	52	23	473
Tottori	7	5	5		5		9	8	7	9	9	13	14	12	4	7	6	8	11	8	9	11	4	14	185
Shimane	17	18	18		17		13	8	17	10	9	14	17	12	14	17	12	18	14	18	9	17	22	12	323
Okayama	26	28	29		41		33	34	37	39	41	50	38	44	41	37	47	32	46	66	62	82	116	72	1,041
Hiroshima	49	55	53		48		49	58	63	70	50	72	76	70	66	60	76	82	73	77	85	156	170	85	1,643
Yamaguchi	33	34	47		29		34	32	38	49	36	37	34	30	38	41	43	41	50	52	37	90	170	48	1,043
Tokushima	19	8	11		14		17	16	16	22	19	22	23	28	24	28	24	28	28	32	29	36	86	41	571
Kagawa	13	16	19		29		17	25	17	20	16	17	15	14	13	21	26	14	26	25	30	65	37	19	494

Ehime	26	19	26		28		33	28	35	35	25	36	35	35	38	34	22	46	34	34	36	46	60	33	744
Kochi	41	40	43		44		35	53	44	35	41	34	47	38	45	39	37	51	31	53	56	72	68	58	1,005
Fukuoka	167	166	153		148		150	142	182	156	154	161	182	178	185	209	201	174	202	208	211	434	601	237	4,601
Saga	15	20	38		26		25	20	26	23	24	30	27	23	23	30	32	32	28	46	41	40	60	40	669
Nagasaki	40	28	25		43		64	66	53	100	54	53	33	58	51	50	63	69	69	70	74	103	144	92	1,402
Kumamoto	56	57	64		64		55	66	67	58	60	75	62	55	48	61	48	60	66	84	85	90	120	77	1,478
Oita	22	41	32		49		29	34	42	39	28	32	33	29	24	35	28	36	45	44	27	60	81	48	838
Miyazaki	32	34	28		36		20	25	43	34	30	25	27	32	62	36	31	30	31	42	39	59	65	52	813
Kagoshima	57	40	49		55		51	51	61	67	45	68	65	50	54	63	60	88	83	102	88	124	195	109	1,625
Okinawa	14	12	19		23		21	17	27	29	22	25	26	19	28	41	31	26	41	39	42	101	118	53	774
total	1,812	1,808	2,018	1,943	2,147	2,103	2,087	2,208	2,222	2,300	2,073	2,194	2,333	2,282	2,250	2,308	2,313	2,430	2,504	2,733	2,543	5,842	8,765	3,245	64,463

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 hospital in Japan in 1999-2022

hospital industry Code No.130101







woodworking machine																								
construction machine																								
metal manufacturing machine																								
general machine																								
mobile silviculture machine																								
crane									1															1
conveying machine						1																		1
vehicle	1	1	1		2	1	2					1	1						1	2		1	14	
pressure vessel																								
chemical facilities																								
welding equipment																								
kiln, caldron																								
electric equipment																								
human power machine, tools																								
tools					2			1										1						4
other equipments, facilities				1												1								2
temporary buildings, establishments	1			2	1						1	1		1						1		1		9
hazards, harmful substances			1													2								3
materials																								
load																								
natural environment													12	1						1				14
other causal agent	1				2										1					1	2		7	













standing tree																									
water													12								1			13	
abnormal environment																									
high/cold temperature environment																									
other environments																									
other causal agent	1				2											1						1	2	7	
no causal agent									2	1	1		1					2				1		8	
unclassifiable																									
total	3	1	2	3	7	1	3	1	2	2	2	1	14	3	1	3		2	1		3	4	3	1	63

Workers age of fatal accidents in hospital 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																										
20-29			1	1	1		1						3					1				1				9
30-39					2	1	1		1				2			1										8
40-49			1						1				4			1										7
50-59	1			2	3					1	1		2	1	1			1				1	2			16
60 years old or more	2	1			1		1	1		1	1	1	3	2		1			1		3	2	1	1		23
total	3	1	2	3	7	1	3	1	2	2	2	1	14	3	1	3		2	1		3	4	3	1		63

Workers' number of workplace of fatal accidents in hospital 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							1				1		3			1									6
10-29												1							1				1		3
30-49				1									3	1											5
50-99	2							1					2								1				6
100-299		1		1	3	1	1			1	1	1	4	1	1	2					2	1	2		23
300 workers or more	1		2	1	4		1		2	1			1	1				2				3		1	20
total	3	1	2	3	7	1	3	1	2	2	2	1	14	3	1	3		2	1		3	4	3	1	63

Month of fatal accidents in hospital 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		1	1							1	1											1		6
February					2		1				1					1								1	6
March						1				1			12	1											15
April														1				1				1	1		4
May					2																				2
June	1		1													2						1	1		6
July					1					1				1				1			2				6
August		1													1				1						3
September				1			1		1				2												5
October				1					1												1	1			4

November					2		1	1														1			5
December	1																								1
total	3	1	2	3	7	1	3	1	2	2	2	1	14	3	1	3		2	1		3	4	3	1	63

Prefecture of fatal accidents in hospital 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	1												1	2									5
Aomori													1												1
Iwate													4												4
Miyagi					1								8												9
Akita																									
Yamagata																									
Fukushima							1							1							1				3
Ibaraki	1																								1
Tochigi																									
Gunma												1													1
Saitama					1		1			1														1	4
Chiba																									
Tokyo									1												1		1		3
Kanagawa																									
Niigata																									
Toyama																				1					1



Fukuoka																1								1	
Saga																									
Nagasaki																			1						1
Kumamoto														1											1
Oita																									
Miyazaki																			1						1
Kagoshima										1															1
Okinawa																									
total	3	1	2	3	7	1	3	1	2	2	2	1	14	3	1	3		2	1		3	4	3	1	63

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

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