

material	78	97	96	114	112	137	114	134	154	107	119	105	111	131	132	115	117	118	135	142	125	141	139	157	2,930
load	84	98	140	124	132	136	146	183	211	161	161	153	167	165	152	138	144	168	185	211	191	274	269	269	4,062
environment	199	205	288	252	345	369	383	388	417	375	360	459	669	521	572	718	594	587	674	723	614	787	822	927	12,248
others	1,172	1,298	1,445	1,621	1,871	2,024	2,157	2,446	2,624	3,064	2,990	3,123	3,382	3,583	3,702	3,741	3,968	4,161	4,492	4,878	5,057	10,571	18,782	6,619	98,771
total	3,531	3,897	4,585	4,911	5,628	6,111	6,404	7,061	7,342	7,930	7,921	8,531	9,231	9,635	9,964	10,342	10,708	11,513	12,106	13,208	13,559	20,286	29,153	17,237	240,794

Causal agents (middle) of fatal and non-fatal accidents in health and hygiene 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						2	2	1							1	1		1	10
power transmission mechanism		4		2	1	1	1	3		1	1	1	1			1	3	1	2	1	2	3			29
woodworking machine	13	13	9	10	13	15	15	13	9	13	14	12	12	12	17	10	13	12	9	12	24	10	23	7	310
construction machine		2	5	2		1	2	11	2				8	2	3	3		2	1	4	3	2	1	1	55
metal manufacturing machine	6	4	4	2	3	5	2	1	2	5	6	1	1	2	1	2	3	4	4	1	4	3	3	6	75
general machine	75	83	90	94	83	103	84	89	84	91	79	98	70	99	94	80	84	88	98	80	86	94	100	99	2,125
mobile silviculture machine																							1		1
crane	8	4	9	15	8	17	9	14	12	14	16	9	17	11	12	10	15	9	13	10	14	16	14	10	286
conveying	22	26	21	34	37	34	41	37	34	39	39	34	30	45	39	42	42	52	56	54	54	60	48	45	965

total	3,531	3,897	4,585	4,911	5,628	6,111	6,404	7,061	7,342	7,930	7,921	8,531	9,231	9,635	9,964	10,342	10,708	11,513	12,106	13,208	13,559	20,286	29,153	17,237	240,794
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Causal agents (small) of fatal and non-fatal accidents in health and hygiene service 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					1							2	2	1							1	1		1	9
power transmission mechanism					1		1	3		1	1	1	1			1	3	1	2	1	2	3			22
circular sawing machine			4		10		11	8	4	4	9	9	7	6	9	7	8	4	5	5	13	5	15	4	147
band sawing machine							1									1					2		1		5
wood planer machine			3					1	1	4	1			2	2		1	1		1	1				18
hollow chisel mortiser, wood borer			1																						1
chamfering machine, router, woodworking milling machine																		1							1
chain saw			1		1		1	2	4	3	2	2	2	1	3		1	3	2	5	5	1	3	1	43
other woodworking machines					2		2	2		2	2	1	3	3	3	2	3	3	2	1	3	4	4	2	44
leveling, transporting or			1					11	1				1	1		1		1	1	2	1			1	22

equipment, logging cableway			1																					1
simple skyline yarding equipment																								
other powered crane				4		1	2	1	2	1		3	2		1	1	2	1	1	2	1	1	1	27
truck			9	28		23	20	22	29	29	21	21	31	24	34	33	39	41	42	36	42	36	32	592
forklift			1	1		2			1			2	2	1	3	2	2	2	4	3	3	3	4	36
railway equipment							1																	1
conveyor			3	1		5	3	4	1	3	2	1	3	2	2	2		3	2	5	1	2	3	48
loader											1	1					1							3
straddle carrier																								
rough terrain hauler																								
other powered conveying machines			8	7		11	13	8	8	7	10	5	9	12	3	5	10	10	6	10	14	7	6	169
cars, bus, motorcycle			329	369		500	519	531	544	551	626	590	619	668	731	685	728	761	763	769	716	812	811	12,622
railway vehicle			1					1		1		2		1		2						4		12
other vehicles			25	23		36	29	35	31	31	39	44	36	25	33	44	27	24	22	22	24	26	30	606
boiler				1			1	1		1			1	1	1		1		1		1		2	12
pressure vessel			2	1		1	1	1	2		1	1	1	1	3	1	2		1	2				21
other pressure vessels			1	2		4	2	2	3	5	2	3	5	1	3	5	3	3		3	3	2	4	56
chemical facilities				1							1													2
gas welding																				1				1

20-29	824	891	1,000	1,052	1,141	1,182	1,144	1,235	1,202	1,241	1,127	1,110	1,152	1,170	1,155	1,072	1,108	1,053	1,134	1,171	1,159	2,580	4,279	1,508	31,690
30-39	561	642	751	814	977	984	1,114	1,228	1,272	1,388	1,347	1,504	1,477	1,594	1,584	1,622	1,548	1,541	1,565	1,636	1,665	2,849	4,418	1,815	35,896
40-49	767	858	1,007	1,081	1,222	1,387	1,457	1,530	1,611	1,671	1,648	1,789	1,989	2,060	2,046	2,239	2,222	2,393	2,464	2,592	2,576	4,043	5,986	3,083	49,721
50-59	964	1,082	1,303	1,451	1,590	1,795	1,870	2,155	2,267	2,401	2,361	2,509	2,697	2,745	2,940	3,015	3,105	3,421	3,519	3,816	3,849	5,332	7,176	4,930	68,293
60 years old or more	384	384	487	475	656	705	754	869	935	1,179	1,391	1,561	1,854	1,987	2,171	2,325	2,666	3,041	3,360	3,930	4,256	5,418	7,167	5,823	53,778
total	3,531	3,897	4,585	4,911	5,628	6,111	6,404	7,061	7,342	7,930	7,921	8,531	9,231	9,635	9,964	10,342	10,708	11,513	12,106	13,208	13,559	20,286	29,153	17,237	240,794

Workers' number of workplace of fatal and non-fatal accidents in health and hygiene 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	289	332	375	373	434	402	468	527	545	634	610	653	700	736	717	826	865	907	1,025	1,051	1,115	1,381	1,926	1,415	18,306
10-29	504	558	660	694	853	976	1,064	1,211	1,259	1,353	1,476	1,621	1,768	1,847	2,096	2,156	2,356	2,595	2,807	3,028	3,216	4,340	6,254	4,360	49,052
30-49	406	473	508	585	697	749	761	892	990	1,025	1,102	1,211	1,396	1,446	1,503	1,655	1,616	1,819	1,957	2,216	2,178	2,958	4,298	2,912	35,353
50-99	662	744	936	1,043	1,165	1,336	1,345	1,508	1,548	1,740	1,646	1,803	1,859	2,039	2,019	2,016	2,200	2,273	2,320	2,551	2,717	3,644	4,900	3,229	47,243
100-299	1,126	1,215	1,426	1,541	1,659	1,795	1,836	1,980	2,087	2,159	2,190	2,304	2,377	2,416	2,560	2,593	2,507	2,690	2,725	2,856	2,973	4,176	6,354	3,496	59,041
300 workers or more	544	575	680	675	820	853	930	943	913	1,019	897	939	1,131	1,151	1,069	1,096	1,164	1,229	1,272	1,506	1,360	3,787	5,421	1,825	31,799
total	3,531	3,897	4,585	4,911	5,628	6,111	6,404	7,061	7,342	7,930	7,921	8,531	9,231	9,635	9,964	10,342	10,708	11,513	12,106	13,208	13,559	20,286	29,153	17,237	240,794

Month of fatal and non-fatal accidents in health and hygiene 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	285	331	426	407	472	529	577	654	589	660	707	768	824	896	947	877	905	1,094	1,110	1,309	1,134	1,203	5,148	1,686	23,538
February	304	330	338	363	428	486	510	580	600	753	624	767	762	881	816	957	868	971	1,065	1,084	1,076	1,135	3,102	1,325	20,125

March	285	336	321	402	458	529	512	568	598	596	626	725	884	788	803	818	843	893	998	1,003	1,058	1,345	2,245	1,418	19,052
April	290	293	346	376	424	482	517	503	583	581	631	699	692	762	843	825	908	913	949	1,041	1,097	1,883	3,111	1,409	20,158
May	295	301	428	439	511	511	535	633	652	678	696	694	750	819	778	880	890	963	980	1,133	1,119	1,547	2,870	1,434	20,536
June	320	353	425	445	501	577	558	616	666	790	784	745	801	776	880	918	928	1,016	1,013	1,140	1,205	1,577	1,738	1,535	20,307
July	338	338	393	442	515	552	555	661	682	735	782	760	752	871	877	970	1,047	1,034	1,078	1,223	1,304	1,711	1,848	1,512	20,980
August	336	347	392	432	490	509	545	605	683	659	683	733	853	877	875	896	904	1,014	1,032	1,136	1,257	1,824	2,891	1,418	21,391
September	290	319	406	414	454	520	497	572	619	683	650	664	787	792	782	833	886	908	961	1,116	1,098	1,624	1,868	1,388	19,131
October	280	334	431	418	515	504	538	618	616	680	622	690	737	795	868	811	877	943	1,060	1,135	1,197	1,566	1,566	1,476	19,277
November	261	294	319	408	417	442	567	509	532	558	589	661	713	703	702	787	849	923	933	1,007	1,061	1,938	1,369	1,373	17,915
December	247	321	360	365	443	470	493	542	522	557	527	625	676	675	793	770	803	841	927	881	953	2,933	1,397	1,263	18,384
total	3,531	3,897	4,585	4,911	5,628	6,111	6,404	7,061	7,342	7,930	7,921	8,531	9,231	9,635	9,964	10,342	10,708	11,513	12,106	13,208	13,559	20,286	29,153	17,237	240,794

Prefecture of fatal and non-fatal accidents in health and hygiene 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	240	232	238		277		319	361	392	376	389	403	457	438	467	520	548	566	597	616	640	1,470	1,558	836	11,940
Aomori	56	56	69		55		80	83	73	89	85	98	132	133	112	120	105	148	150	166	155	167	334	237	2,703
Iwate	35	36	54		61		77	76	51	97	76	97	125	89	119	115	96	110	114	115	145	172	188	186	2,234
Miyagi	49	55	83		107		122	151	159	155	135	177	322	186	214	223	189	213	229	261	242	306	470	300	4,348
Akita	32	56	42		73		64	74	61	68	87	93	100	95	96	110	101	117	120	127	126	144	214	167	2,167
Yamagata	39	38	34		51		61	67	92	74	86	78	97	120	103	132	121	118	129	152	125	178	216	188	2,299
Fukushima	47	46	70		82		75	94	103	100	100	113	113	119	132	150	144	151	147	185	161	240	385	230	2,987
Ibaraki	59	51	57		75		98	110	104	127	115	119	154	163	163	169	185	197	185	254	232	361	491	298	3,767
Tochigi	25	44	47		65		56	84	79	97	100	87	71	95	92	108	133	134	127	140	146	211	339	224	2,504
Gunma	46	51	70		77		79	106	106	130	117	133	141	149	140	145	165	180	210	232	240	323	421	275	3,536

Saitama	100	114	134		165		223	261	277	304	304	351	328	362	397	412	426	488	500	567	561	944	1,520	841	9,579
Chiba	92	100	141		211		230	281	242	358	341	389	365	447	427	427	438	441	507	535	608	905	1,411	762	9,658
Tokyo	256	283	353		479		579	585	632	673	706	726	747	826	820	842	894	1,007	1,001	1,110	1,194	2,032	3,436	1,442	20,623
Kanagawa	207	220	277		321		395	446	464	481	545	589	636	633	702	691	713	791	792	801	909	1,441	1,929	1,230	15,213
Niigata	47	70	89		119		135	138	165	143	151	160	197	196	197	221	221	214	235	276	246	319	400	290	4,229
Toyama	21	23	34		50		44	63	48	59	71	67	84	73	84	94	77	91	95	108	90	146	129	125	1,676
Ishikawa	33	40	53		54		55	53	72	68	67	70	79	88	100	78	88	97	102	118	108	147	213	148	1,931
Fukui	19	31	39		35		48	58	51	50	53	54	82	74	46	75	68	95	81	127	101	91	141	121	1,540
Yamanashi	19	31	26		44		41	46	52	56	56	50	64	65	73	68	78	72	75	87	93	119	113	110	1,438
Nagano	46	73	90		97		133	123	131	147	152	154	177	184	202	221	170	187	192	231	202	243	374	258	3,787
Gifu	32	35	51		43		63	84	64	88	84	94	99	116	122	111	110	136	132	167	174	240	415	209	2,669
Shizuoka	75	74	112		134		184	212	180	204	219	229	236	239	270	294	283	316	337	367	376	436	600	467	5,844
Aichi	139	153	147		203		222	252	255	254	272	286	311	335	387	413	425	463	472	561	542	847	1,190	727	8,856
Mie	67	80	72		93		93	94	134	124	164	140	157	177	142	161	176	170	200	199	212	301	405	287	3,648
Shiga	21	27	39		50		68	93	80	125	94	82	116	129	124	117	106	117	99	128	126	224	213	156	2,334
Kyoto	122	123	158		180		227	252	211	219	258	219	251	277	320	243	294	276	272	288	317	459	650	389	6,005
Osaka	277	313	400		483		530	566	574	671	604	732	689	761	762	731	791	880	944	986	1,016	1,470	2,870	1,301	18,351
Hyogo	131	149	192		240		273	281	298	353	313	346	394	402	412	423	475	471	502	510	608	1,036	1,385	697	9,891
Nara	39	36	38		61		77	75	90	99	84	98	115	119	99	126	119	136	123	158	178	226	340	199	2,635
Wakayama	22	44	41		58		73	73	96	94	94	116	128	117	117	114	120	105	143	139	140	159	239	179	2,411
Tottori	19	15	15		20		27	36	39	40	25	30	45	43	30	46	46	45	58	59	47	88	87	71	931
Shimane	41	47	52		60		47	75	68	62	76	71	81	89	85	91	89	113	111	105	94	114	143	104	1,818
Okayama	42	58	61		100		87	100	110	113	128	145	143	167	137	162	174	187	216	234	230	336	422	289	3,641
Hiroshima	101	109	130		145		187	185	208	222	201	242	262	250	274	293	322	302	343	354	349	462	558	401	5,900

Yamaguchi	62	64	76		86		85	83	98	106	101	79	103	123	127	108	143	155	155	157	164	204	336	203	2,818
Tokushima	34	28	29		38		43	43	48	58	59	74	56	71	71	71	83	85	87	109	96	140	191	124	1,638
Kagawa	39	44	43		57		51	64	61	65	54	59	62	62	80	80	95	80	85	99	104	176	184	108	1,752
Ehime	46	46	44		56		76	85	105	95	110	106	116	128	138	138	124	152	146	149	154	218	264	179	2,675
Kochi	73	77	80		95		86	97	95	71	99	110	105	113	94	107	91	106	84	123	115	156	153	151	2,281
Fukuoka	262	284	301		297		364	358	400	404	404	409	436	461	484	532	624	609	706	709	731	1,102	1,583	917	12,377
Saga	33	47	59		54		63	61	62	62	80	90	78	88	108	112	113	109	130	162	139	167	265	174	2,256
Nagasaki	74	53	52		101		126	135	117	189	146	119	159	168	173	173	179	218	213	241	259	296	438	306	3,935
Kumamoto	96	119	128		126		109	136	161	132	142	196	180	169	178	190	203	180	212	252	282	372	440	311	4,314
Oita	48	68	65		85		71	84	96	87	66	88	93	100	98	125	112	122	147	144	139	184	284	196	2,502
Miyazaki	56	51	66		86		74	73	98	94	103	100	93	109	152	128	111	139	149	148	189	239	304	235	2,797
Kagoshima	89	80	92		129		122	140	166	160	131	171	159	199	172	200	218	290	281	282	288	368	490	348	4,575
Okinawa	23	23	42		50		62	64	74	87	74	92	93	88	122	132	122	134	171	170	166	307	422	241	2,759
total	3,531	3,897	4,585	4,911	5,628	6,111	6,404	7,061	7,342	7,930	7,921	8,531	9,231	9,635	9,964	10,342	10,708	11,513	12,106	13,208	13,559	20,286	29,153	17,237	240,794

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 health and hygiene service in Japan in 1999-2022

health and hygiene service industry Code No.13

Type of fatal accidents in health and hygiene 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	2	1	2	7	1		3	4	2	1	1	1	2	3	2		1	2	4	2	2	1	1	47
falling to same level						1						1	1	1		1	1			1					7
crash											2														2
struck by flying or falling object					1																				1
collapse	1												1	1											3
crashed by						1					1		2			1	1	1				1	2		10
caught in/between								1		1		1	1							1		1		2	8
cut																									
injury to the sole of the foot																									
drown	1				1		1	1		1			123				2	1	1	1	1	1			135
contact to high/low-temperature												1	1			1									3
contact to harmful substance			1										1			3				1					6
electric shock				1													1								2
explosion									3																3
burst																									
fire										1														5	6
traffic accident (public road)	3	3	6	3	2	6	8	5	4	3	6	2	3	6	8	4	1	7	2	3	3	1	5	4	98
traffic accident (others)						1							1												2
reaction to motion/improper motion																									
others				3	4			2	4	2	3	2	53		2	1	2	3	1	2	4	4	28	1	121

Workers' number of workplace of fatal accidents in health and hygiene 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		1		1	2	1	5	1	4	3	2	1	28	1		3	1	3		3	2		3	2	67
10-29	3	1	3	3	2	4	2	5	1	2	2	2	54	2	4	4	1	4	5	5		4	18	2	133
30-49		1		2	1	1		2	2		1	2	42	3	3	2		2		4	4	1	8	2	83
50-99	3		2					2	4	2	5	1	46	2	3	1	3	1	1		1	2	2		81
100-299		1	1	2	5	3	1	1	1	2	3	2	12	2	2	3	3	1		1	4	1	7	1	59
300 workers or more	1	1	2	1	5	1	1	1	3	1			6	1	1			2				3	1	1	32
total	7	5	8	9	15	10	9	12	15	10	13	8	188	11	13	13	8	13	6	13	11	11	39	8	455

Month of fatal accidents in health and hygiene 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	1	1	1	2	2			2	1		3	2		2	2		2			2	1	1	8	1	34
February					3	1	2	2	1	2	3	1		1	1	3		1		2	3		2	1	29
March		1	1	1		2	1		1	1		1	176	1		1		1	1			3	4	1	198
April					2			2		1			1	2	1		1	2		1		1	8		22
May			1	1	2				1	3	1		1	1	1	2		1	2				3	3	23
June	4		2			2		1	4				1		1	3		1	1	1		1	2		24
July	1	1	1	1	3				3	1	1	1		1	1			2		4	3	1	3	1	29
August		1						2		1	1	1	3		2	1		2	2		1	2	2		21
September		1		1		1	2	2	1		1		3		1	2	2	1		1					19

October			1	2					1		1	2		1	1	1	1	2			2	1	1		17
November					2	2	4	1	1	1	1		2		1		1				1	1	1	1	20
December	1		1	1	1	2			1		1		1	2	1		1			1			5	19	
total	7	5	8	9	15	10	9	12	15	10	13	8	188	11	13	13	8	13	6	13	11	11	39	8	455

Prefecture of fatal accidents in health and hygiene 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		1	1	1		1	1		1	1	1	1	2	1	2	3		2	3	1			1		24
Aomori					1								1					1							3
Iwate							1						52	1	1					1					56
Miyagi					1	1	1						120				1						1		125
Akita																									
Yamagata									1																1
Fukushima		1					1			1			4	1							1				9
Ibaraki	1					1							1									1			4
Tochigi			1												1		1				1				4
Gunma											1		1				1				1	1			5
Saitama		1			1		1	1		1					1		1						1	1	9
Chiba									1				2			1	1					1	1		7
Tokyo	1					2		3	6	3			1		1	3	1	1	1	1	2		6		32
Kanagawa			1		2	1		1	1					1	1				1				4	1	14
Niigata												1			1			1					1		4
Toyama																			1						1
Ishikawa			1		1													1				1			4

Fukui																			1			1	2			
Yamanashi					1					1													2			
Nagano	1				1				1						1		1	1	1				7			
Gifu							1		1			1									1	1	5			
Shizuoka				1	1			1	2			1	1							1			8			
Aichi			1	1	1		2	3	1		1								1		1	1	1	14		
Mie			1	2											1				1			1		6		
Shiga				1								1									1			3		
Kyoto								2		1			1								1			5		
Osaka	1				3	1			1			1				2			1	1		9		21		
Hyogo				1	1						1	1	1	1	2			1		1	1	1	1	6	1	19
Nara				1				1					1			1									4	
Wakayama													1		1			1					1		4	
Tottori				1																					1	
Shimane																										
Okayama					1										1		1		1						4	
Hiroshima	1														1	1									3	
Yamaguchi	1							1			2				1										5	
Tokushima																		1		2					3	
Kagawa		1																							1	
Ehime						1																			1	
Kochi							1							1							1				3	
Fukuoka	1		1								2					2							1		7	
Saga							1				1												1		3	

Nagasaki					1					1										1	1			4	
Kumamoto					1						1	1		1									2	2	8
Oita									1				2							1					4
Miyazaki																	1		1						2
Kagoshima		1	1							1															3
Okinawa																							1		1
total	7	5	8	9	15	10	9	12	15	10	13	8	188	11	13	13	8	13	6	13	11	11	39	8	455

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

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