medical treatment service industry Code No.1301

## Type of accidents in medical treatment service in 1999-2021

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	total	Type of accidents
fall from height	197	183	216	192	236	216	200	231	236	223	212	207	241	241	242	229	251	267	241	242	262	320	330	5,415	fall from height
falling to same level	643	672	749	691	788	815	836	887	808	931	877	961	1,034	1,038	1,046	1,092	1,038	1,117	1,158	1,332	1,272	1,420	1,619	22,824	falling to same
crash	68	89	97	83	99	98	86	100	114	119	87	104	86	129	104	115	127	134	141	139	144	178	160	2,601	crash
struck by flying or falling object	36	36	43	32	39	48	33	38	29	42	39	28	38	25	36	30	29	41	34	34	32	37	33	812	struck by flying or falling object
collapse	9	15	14	17	10	7	9	11	14	5	7	13	7	11	17	13	10	17	5	14	15	20	13	273	collapse
crashed by	74	68	74	77	67	81	77	99	85	83	70	94	71	75	88	80	103	88	106	105	93	96	109	1,963	crashed by
caught in/between	88	101	106	122	113	121	109	132	118	103	114	110	93	107	93	99	102	97	111	135	113	137	123	2,547	caught in/between
cut	124	121	135	133	138	151	108	104	102	100	70	97	71	74	72	69	67	60	74	60	59	65	66	2,120	cut
injury to the sole of the foot		2	2		1	3	1	2	1	1	4	2			6		1	3	3				2	34	injury to the sole
drown	1												23					1			1	1		27	drown
contact to high/low- temperature	50	50	48	44	43	53	40	44	37	32	36	35	42	41	38	26	27	31	25	39	40	34	26	881	contact to high/low- temperature
contact to harmful	15	15	23	21	18	14	16	25	9	19	15	12	23	11	8	15	16	6	8	15	9	3	12	328	contact to

substance																									substance
electric shock	2	2	1	2			2		2	1	1				2	2		1		1			1	20	electric shock
explosion		1		1	2		2	6		1					1	2						1	2	19	explosion
burst	1		1		1	2				1					1			1			2			10	burst
fire				6		1			1	1	2	1									1			13	fire
traffic accident (public road)	55	60	82	70	88	78	67	95	91	87	83	103	88	104	91	107	66	98	93	94	101	103	102	2,006	traffic accident (public road)
traffic accident (others)	2	3	2	2	1			2	2			1	1	1	2	2		3			2	5	3	34	traffic accident (others)
reaction to motion/improper motion	509	504	569	631	718	671	720	680	849	824	823	806	874	833	827	840	889	898	971	986	937	1,160	1,267	18,786	reaction to motion/improper motion
others	132	128	138	151	142	133	159	190	207	208	133	134	190	163	160	125	141	132	129	177	161	3,182	6,608	13,023	others
unclassifiable	42	40	41	23	26	34	31	36	25	37	29	18	29	27	23	47	29	26	22	21	24	18	16	664	unclassifiable
total	2,048	2,090	2,341	2,298	2,530	2,526	2,496	2,682	2,730	2,818	2,602	2,726	2,911	2,880	2,857	2,893	2,896	3,021	3,121	3,394	3,268	6,780	10,492	74,400	total

Causal agents (large) of fatal and non-fatal accidents in medical treatment service in 1999-2021

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	total	Causal (L) agents
machine	46	57	60	53	48	56	39	54	36	39	34	29	22	37	20	35	25	27	24	22	26	32	19	840	machine
crane, conveying machine	96	94	122	123	124	122	116	139	142	132	125	148	140	142	127	148	112	138	140	136	148	151	140	3,005	crane, conveying machine
other equipment	306	317	348	381	374	390	392	417	401	442	406	464	430	440	446	436	493	510	547	575	566	632	672	10,385	other

																									equipment
temporary buildings,	692	736	819	746	889	870	878	952	915	966	900	945	1,021	1,017	1,045	1,043	1,023	1,122	1,103	1,261	1,215	1,399	1,523	23,080	temporary buildings, establishments
substance, material	38	49	50	46	48	62	37	58	47	39	34	34	41	32	39	30	33	32	34	32	32	37	30		substance,
load	55	52	75	56	64	65	53	64	81	58	63	47	58	56	39	52	49	67	63	63	62	86	91	1,419	load
environment	107	93	152	109	124	132	125	131	144	111	101	140	183	145	128	178	128	138	141	155	132	173	164	3,134	environment
others	708	692	715	784	859	829	856	867	964	1,031	939	919	1,016	1,011	1,013	971	1,033	987	1,069	1,150	1,087	4,270	7,853	31,623	others
total	2,048	2,090	2,341	2,298	2,530	2,526	2,496	2,682	2,730	2,818	2,602	2,726	2,911	2,880	2,857	2,893	2,896	3,021	3,121	3,394	3,268	6,780	10,492	74,400	total

Causal agents (middle) of fatal and non-fatal accidents in medical treatment service in 1999-2021

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	total	Causal (M) agents
engine					1	1						1										1		4	engine
power transmission mechanism		3		2	1					1			1				1					1		10	power transmission mechanism
woodworking machine	2	3	3	1		6	4	2	2	1	2	1	2		1		1	1		4	1		3	40	woodworking machine
construction machine			3					11					2	1					1	1				19	construction machine
metal manufacturing machine	2	2	3		1		2			2	2		1	1				1	1			1		19	metal manufacturing machine

general machine	42	49	51	50	45	49	33	41	34	35	30	27	16	35	19	35	23	25	22	17	25	29	16	748	general machine
mobile silviculture machine																									mobile silviculture machine
crane	5	3	5	8	1	4	4	9	5	8	8	4	6	2	5	3	8	6	4	4	3	4	3	112	crane
conveying machine	15	9	8	16	18	13	14	12	13	8	9	10	6	14	7	7	10	15	11	5	11	10	7	248	conveying machine
vehicle	76	82	109	99	105	105	98	118	124	116	108	134	128	126	115	138	94	117	125	127	134	137	130	2,645	vehicle
pressure vessel	1	4	2	2	3	3	5	2	3	2	1	3	4	7	2	5	2	4	3	1	4	3	1	67	pressure vess
chemical facilities																									chemical facilities
welding equipment																		1						1	welding equipment
kiln, caldron	1	2	4	7	4	1	1	4	2	3	4	3	4	3	4	3	2	1	2	6	6		2	69	kiln, caldron
electric equipment	7	5	4	3	2	3	5	8	7	4	8	6	7	11	4	3	10	15	16	21	21	19	22	211	electric equipment
human power machine, tools	104	114	132	153	157	158	134	145	140	150	142	163	131	159	133	153	151	171	190	192	180	209	194	3,555	human powe
tools	122	114	123	135	143	140	158	166	157	181	156	167	168	153	185	159	192	200	217	207	222	247	264	3,976	tools
other equipments, facilities	71	78	83	81	65	85	89	92	92	102	95	122	116	107	118	113	136	118	119	148	133	154	189	2,506	other equipments, facilities
temporary buildings, establishments	692	736	819	746	889	870	878	952	915	966	900	945	1,021	1,017	1,045	1,043	1,023	1,122	1,103	1,261	1,215	1,399	1,523	23,080	temporary buildings, establishmer

hazards, harmful substances	15	13	19	16	16	18	11	20	7	16	15	11	12	10	14	14	12	12	13	8	8	6	10	296	hazards, harmful substances
materials	23	36	31	30	32	44	26	38	40	23	19	23	29	22	25	16	21	20	21	24	24	31	20	618	materials
load	55	52	75	56	64	65	53	64	81	58	63	47	58	56	39	52	49	67	63	63	62	86	91	1,419	load
natural environment	107	93	152	109	124	132	125	131	144	111	101	140	183	145	128	178	128	138	141	155	132	173	164	3,134	natural environment
other causal agent	374	367	392	412	391	395	415	432	465	546	376	405	460	419	436	373	420	365	431	402	422	3,425	6,908	19,031	other causal agent
no causal agent	262	265	251	322	427	379	394	374	430	427	522	474	516	542	539	551	582	598	610	728	651	829	927	11,600	no causal agent
unclassifiable	72	60	72	50	41	55	47	61	69	58	41	40	40	50	38	47	31	24	28	20	14	16	18	992	unclassifiable
total	2,048	2,090	2,341	2,298	2,530	2,526	2,496	2,682	2,730	2,818	2,602	2,726	2,911	2,880	2,857	2,893	2,896	3,021	3,121	3,394	3,268	6,780	10,492	74,400	total

Causal agents (small) of fatal and non-fatal accidents in medical treatment service in 1999-2021

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	total	Causal (S) agents
engine					1							1										1		3	engine
power transmission					1					1			1				1					1		5	power transmission
mechanism																	•								mechanism
circular sawing			2				2		1		2	1			1		1			1			2	14	circular sawing
machine							5		'		2	<u>'</u>			1		'			•				17	machine
band sawing																					1		1	2	band sawing
machine																					•		Ī		machine
wood planer			1					1																2	wood planer
machine								<u>'</u>																	machine

hollow chisel																	hollow chisel
mortiser, wood																	mortiser, wood
borer																	borer
chamfering																	chamfering
machine, router,																	machine, router,
woodworking																	woodworking
milling machine																	milling machine
chain saw				1	1	1			2					2		7	chain saw
other woodworking							1					1		1		2	other woodworking
machines												l		ı		3	machines
leveling,																	leveling,
transporting or		1			11								1			13	transporting or
loading machine																	loading machine
excavating machine														1		1	excavating machine
foundation work																	foundation work
machine																	machine
hardening machine																	hardening machine
demolition machine																	demolition machine
vehicle for high lift		1														1	vehicle for high lift
work																	work
other construction																	other construction
machines		1							2	]						4	machines
lathe													1			1	lathe
drill press, milling																	drill press, milling
machine																	machine
grinding machine,			1	2				1				1				5	grinding machine,

buffing machine																						buffing machine
power press																						power press
forging pressure hammer																						forging pressure
shearing machine																						shearing machine
other metal																						other metal
manufacturing machines		3					2	1		1	1								1		9	manufacturing machines
centrifugal machine																1					1	centrifugal machine
mixer, grinder			2	2	1	2	1				1		1					2		1	13	mixer, grinder
roll machine (except printingroll machine)		1																			1	roll machine (except printingroll machine)
injection molding																						injection molding machine
food manufacturing		26	26	16	24	17	24	19	12	8	24	13	21	15	15	13	10	9	12	8	312	food manufacturing machine
printing machine																						printing machine
industrial robot												1					1				2	industrial robot
other general power machines		24	17	15	16	15	10	11	15	8	10	5	13	8	10	8	6	14	17	7	229	other general power machines
felling machine																						felling machine
mobile logging machine																						mobile logging machine
skyline yarding machine																						skyline yarding machine

ī	 	 		1	1	1												1	1			1
other mobile																						other mobile
silviculture machine																						silviculture machine
crane																						crane
mobile crane										1											1	mobile crane
derrick crane																						derrick crane
elevator, lift	4		1	4	9	4	7	7	4	5	2	5	3	8	5	4	4	3	3	3	85	elevator, lift
cargo lifting																						cargo lifting
appliance																						appliance
gondola																						gondola
lumberyard																						lumberyard
equipment, logging	1																				1	equipment, logging
cableway																						cableway
simple skyline																						simple skyline
yarding equipment																						yarding equipment
other powered						1	1	1							1				1		5	other powered
crane						<u> </u>	<u> </u>	<u> </u>											<u> </u>			crane
truck	4		13	5	7	6	5	4	4	2	8	4	5	7	10	7	1	6	5	5	108	truck
forklift																						forklift
railway equipment																						railway equipment
conveyor	1		1	5	2	3		1		1	3	1	2	1		1		2			24	conveyor
loader										1					1						2	loader
straddle carrier																						straddle carrier
rough terrain hauler																						rough terrain haulei
other powered	3		4	4	3	4	3	4	6	2	3	2		2	4	2	4	3	5	2	61	other powered
conveying machines	ျီ		4	4	٥	4	3		U	2	٥	2		2	*	3	4	3	3	2	01	conveying machines

cars, bus, motorcycle		102	96	93	111	120	109	102	129	114	119	110	132	87	115	119	124	132	128	127	2,169	cars, bus, motorcycle
railway vehicle																						railway vehicle
other vehicles		7	9	5	7	 	7	 	5	14	7	5		7	12		]	<u> </u>	9	]	114	other vehicles
		<u>'</u>	9	)	<u>'</u>	4	<u>'</u>	6	)	14	/	) 	6	/	2	6	3	2	9	3	]	
boiler			1			1					1				1						4	boiler
pressure vessel		1		1	1	1	1		1	1	1	1	3		1		1	2			16	pressure vessel
other pressure vessels		1	2	4	1	1	1	1	2	3	5	1	2	2	2	3		2	3	1	37	other pressure vessels
chemical facilities																						chemical facilities
gas welding equipment																						gas welding equipment
arc welding equipment															1						1	arc welding equipment
other welding equipment																						other welding equipment
kiln, caldron		2	4	1	3	1	3	2	2	3	1	2	2	2	1	2	5	5		2	43	kiln, caldron
industrial dryer								1		1	1										3	industrial dryer
other kiln, caldron		2			1	1		1	1		1	2	1				1	1			12	other kiln, caldron
transmission		1	1	1	3	5	4	7	4	4	8	2	2	10	10	11	16	18	11	14	132	transmission
electric power																1					1	electric power facilities
other electrical equipment		3	1	4	5	2		1	2	3	3	2	1		5	4	5	3	8	8	60	other electrical equipment
human power cranes																		10	13	18	41	human power cranes
human power																						human power

hauling equipment		67	85	77	97	96	99	98	116	93	118	95	112	121	141	146	156	142	163	140	2,162	hauling equipment
human power machine				1	3			1	1	4		1		1		1		1	1	3	18	human power machine
hand tool		65	72	56	45	44	51	43	46	34	41	37	41	29	30	43	36	27	32	33	805	hand tool
ladder		42	45	46	45	43	63	50	49	59	43	72	48	57	49	57	57	57	62	61	1,005	ladder
slinging tool											1							1			2	slinging tool
other tools		81	98	112	121	114	118	106	118	109	109	113	111	135	151	160	150	164	185	203	2,458	other tools
other equipment,		83	65	89	92	92	102	95	122	116	107	118	113	136	118	119	148	133	154	189	2,191	other equipment,
scaffolding		1		2	2	3			2	1	2	1		2		1	1	1	1	2	22	scaffolding
timbering			1	1															1	1	4	timbering
stairs, landing stage		187	207	189	200	200	207	196	213	219	222	219	223	220	238	221	230	241	303	318	4,253	stairs, landing stage
opening		4	4	2	2	2	2	3	2	3	3	1	5	3	5	2	3	4	4	6	60	opening
roof, beam, haze, crossbeam, principal rafter		1	4	3	1	2		4	2				2	3	6	1	3	1	2		35	roof, beam, haze, crossbeam, principal rafter
working platform,		91	100	83	105	105	143	107	100	110	111	130	135	101	114	116	123	122	123	115	2,134	working platform, boot board
passage		363	394	454	468	416	464	443	473	530	501	504	527	517	601	579	708	670	773	860	10,245	passage
building, establishment		84	95	75	103	105	85	80	85	100	108	114	76	95	78	95	103	79	92	91	1,743	building, establishment
other temporary buildings, establishments		88	84	69	71	82	65	67	68	58	70	76	75	82	80	88	90	97	100	130	1,540	other temporary buildings, establishments
explosive substance							1				2	4									7	explosive substance

inflammable substance						1		1	1				1		1	1				4	10	inflammable substance
inflammable gas			1		2	1	1					1	1		1				1		9	inflammable gas
harmful substance		12	4	3	10	3	2	5	4	3	1	2	4	4	3	2	1	1		3	67	harmful substance
radiation								1			1		1								3	radiation
other hazards, harmful substances		7	11	8	8	2	12	8	6	9	6	7	7	8	7	10	7	7	5	3	138	other hazards, harmful substances
metal material		6	6	7	13	10	6	5	5	11	5	4	4	5	9	8	4	8	9	7	132	metal material
lumber, bamboo		1	4	2	2	2		1	1	4	2	4	2	1	2	2	1	4	1	2	38	lumber, bamboo
stone, sand, substance		4	2	2		3	2	1	1	2	3	2		1	1	2	4	1	3	2	36	stone, sand, substance
other materials		20	20	15	23	25	15	12	16	12	12	15	10	14	8	9	15	11	18	9	279	other materials
load		71	60	52	63	72	56	60	46	54	53	38	48	44	60	60	59	58	85	86	1,125	load
machine/equipment		4	4	1	1	9	2	3	1	4	3	1	4	5	7	3	4	4	1	5	66	machine/equipment as load
natural ground,		6	5	4	2	10	3	3	3	3	4	2	8	2	7	2	5	3		4	76	natural ground,
standing tree		1	3	4	1			4	2	2	4	2	2	2	3	2		2	1	3	38	standing tree
water		9	3	8	5	7	7	2	5	40	7	3	4	2	6	4	5	6	10	4	137	water
abnormal environment		3	2	1			1				2					1	6		2		18	abnormal environment
high/cold temperature environment		11	6		9	2	3	5	6	8	9	9	4		2	5	4	6	5	3	97	high/cold temperature environment
other environments		122	105	108	114	125	97	87	124	130	119	112	160	122	120	127	135	115	155	150	2,327	other environments
other causal agent		392	391	415	432	465	546	376	405	460	419	436	373	420	365	431	402	422	3,425	6,908	17,483	other causal agent

no causal agent		251	427	394	374	430	427	522	474	516	542	539	551	582	598	610	728	651	829	927	10,372	no causal agent
unclassifiable		72	41	47	61	69	58	41	40	40	50	38	47	31	24	28	20	14	16	18	755	unclassifiable
total		2,341	2,530	2,496	2,682	2,730	2,818	2,602	2,726	2,911	2,880	2,857	2,893	2,896	3,021	3,121	3,394	3,268	6,780	10,492	65,438	total

Workers age of fatal and non-fatal accidents in medical treatment service in 1999-2021

Age	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Age
19 years old or less	20	23	22	21	19	26	20	16	16	11	7	13	11	18	14	14	13	13	15	9	16	17	36	390	19 years old or less
20-29	433	437	470	434	454	476	380	432	421	383	354	326	319	330	294	275	268	276	311	304	285	1,314	2,306	11,282	20-29
30-39	326	318	370	386	457	391	447	433	498	518	459	471	508	479	482	456	418	404	405	405	435	1,162	1,921	12,149	30-39
40-49	421	443	488	497	524	535	531	575	577	592	526	564	614	588	575	614	614	584	656	715	591	1,429	2,214	15,467	40-49
50-59	583	616	699	715	762	797	793	869	877	907	813	858	884	870	872	888	897	1,006	962	1,054	1,031	1,585	2,233	21,571	50-59
60 years old or more	265	253	292	245	314	301	325	357	341	407	443	494	575	595	620	646	686	738	772	907	910	1,273	1,782	13,541	60 years old or more
total	2,048	2,090	2,341	2,298	2,530	2,526	2,496	2,682	2,730	2,818	2,602	2,726	2,911	2,880	2,857	2,893	2,896	3,021	3,121	3,394	3,268	6,780	10,492	74,400	total

Workers' number of workplace of fatal and non-fatal accidents in medical treatment service in 1999-2021

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	total	Workers scale
9 workers or less	149	163	179	154	153	160	136	157	192	200	178	214	226	210	184	199	185	180	225	206	215	281	452	4,598	9 workers or less
10-29	152	167	181	159	215	199	202	210	209	226	234	206	241	210	239	203	228	219	235	253	264	370	635	5,457	10-29
30-49	91	93	115	114	127	124	113	150	161	146	138	138	140	115	158	171	137	165	139	176	151	220	381	3,463	30-49
50-99	270	248	287	294	291	314	300	349	301	320	274	313	315	338	295	296	313	323	303	323	317	507	707	7,598	50-99
100-299	914	918	1,026	1,033	1,070	1,076	1,040	1,076	1,181	1,156	1,109	1,119	1,121	1,099	1,177	1,150	1,094	1,138	1,184	1,230	1,246	1,999	3,270	28,426	100-299

3	300 workers or	472	501	553	544	674	653	705	740	686	770	669	736	868	908	804	874	939	996	1 035	1 206	1 075	3 403	5,047	24,858	300 workers or
r	more	7,2				074		/ 03	, 40				750		500		07 4			1,033	1,200	1,075	3,403	3,047	,	more
t	otal	2,048	2,090	2,341	2,298	2,530	2,526	2,496	2,682	2,730	2,818	2,602	2,726	2,911	2,880	2,857	2,893	2,896	3,021	3,121	3,394	3,268	6,780	10,492	74,400	total

Month of fatal and non-fatal accidents in medical treatment service in 1999-2021

Month	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Month
January	156	198	245	186	206	226	228	256	217	213	240	246	227	302	269	263	236	289	255	321	275	276	2,480	7,810	January
February	189	184	191	177	213	229	206	215	221	271	230	252	241	272	241	272	246	255	285	312	250	278	1,476	6,706	February
March	168	184	161	210	234	253	190	220	232	230	209	237	269	264	215	255	235	233	291	230	249	377	827	5,973	March
April	176	161	183	181	211	203	207	178	230	202	217	223	229	235	269	227	254	243	234	302	247	822	1,132	6,566	April
May	169	156	212	205	218	198	178	255	257	205	224	214	268	211	215	239	226	248	252	285	256	509	916	6,116	May
June	183	209	225	186	204	256	206	241	265	310	249	250	249	232	252	271	255	297	269	289	329	429	404	6,060	June
July	199	174	190	223	225	224	228	233	250	256	255	247	236	256	256	271	286	268	308	339	334	521	478	6,257	July
August	206	172	191	204	210	187	209	226	250	237	216	233	281	253	248	268	244	252	281	283	303	639	1,070	6,663	August
September	169	167	185	183	203	215	205	213	222	240	210	219	268	226	227	232	243	237	248	286	270	482	624	5,774	September
October	149	187	225	192	251	191	221	238	235	260	203	214	209	229	257	208	229	237	279	293	266	434	401	5,608	October
November	141	137	153	202	190	163	205	182	205	208	181	199	233	205	186	203	228	250	216	232	260	770	330	5,279	November
December	143	161	180	149	165	181	213	225	146	186	168	192	201	195	222	184	214	212	203	222	229	1,243	354	5,588	December
total	2,048	2,090	2,341	2,298	2,530	2,526	2,496	2,682	2,730	2,818	2,602	2,726	2,911	2,880	2,857	2,893	2,896	3,021	3,121	3,394	3,268	6,780	10,492	74,400	total

Prefecture of fatal and non-fatal accidents in medical treatment service in 1999-2021

Prefecture	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Prefecture
Hokkaido	149	128	147		142		157	151	164	148	135	143	157	143	135	146	164	150	158	149	159	677	551	4,053	Hokkaido

Aomori	27	19	25	12	15	24	20	27	18	18	35	36	26	33	21	38	33	35	32	28	69	591	Aomori
lwate	13	15	19	20	19	16	12	27	15	19	41	15	34	23	29	17	18	13	27	31	26	449	lwate
Miyagi	33	27	37	36	24	45	44	41	30	57	92	63	40	51	29	42	54	55	34	73	109	1,016	Miyagi
Akita	21	29	20	42	31	40	24	21	24	21	17	26	18	26	26	30	33	36	19	32	59	595	Akita
Yamagata	15	13	12	16	15	11	16	15	21	15	22	25	23	32	28	16	24	22	18	49	43	451	Yamagata
Fukushima	32	22	35	43	39	46	44	32	36	29	33	35	39	29	38	37	37	45	43	84	169	947	Fukushima
Ibaraki	34	29	26	40	33	50	31	53	38	30	47	43	51	55	51	55	57	55	61	89	181	1,109	Ibaraki
Tochigi	16	19	24	22	22	25	28	30	32	21	21	20	25	30	41	24	28	25	24	57	116	650	Tochigi
Gunma	28	34	39	26	36	43	44	41	46	34	46	55	42	54	39	45	60	51	50	80	135	1,028	Gunma
Saitama	57	74	77	85	95	115	117	113	112	115	122	131	124	112	94	108	107	121	129	270	574	2,852	Saitama
Chiba	51	58	79	96	85	108	84	113	105	113	120	115	97	94	89	109	128	112	128	216	400	2,500	Chiba
Tokyo	136	140	161	186	169	185	194	201	188	182	177	203	217	177	206	225	218	221	236	824	1,517	5,963	Tokyo
Kanagawa	109	103	142	115	115	139	123	125	123	131	142	138	128	137	141	161	150	153	177	429	651	3,632	Kanagawa
Niigata	23	30	46	58	50	42	61	53	47	45	57	56	41	48	38	54	42	66	60	72	103	1,092	Niigata
Toyama	15	9	19	20	22	33	14	25	21	19	26	21	34	25	24	38	22	31	18	48	37	521	Toyama
Ishikawa	14	21	19	29	26	15	25	19	20	17	18	17	30	13	20	21	27	22	19	44	92	528	Ishikawa
Fukui	7	15	19	14	19	19	12	19	17	16	21	25	14	20	11	21	15	40	23	24	40	411	Fukui
Yamanashi	13	16	12	25	19	19	25	24	23	18	27	18	17	22	27	22	22	21	31	38	33	472	Yamanashi
Nagano	17	23	29	30	47	27	43	42	34	36	33	40	38	46	37	44	42	42	27	43	99	819	Nagano
Gifu	14	24	32	15	29	29	25	26	31	21	25	25	31	30	32	29	22	37	33	61	167	738	Gifu
Shizuoka	44	40	62	53	65	59	54	45	64	61	61	55	53	74	61	67	83	80	79	102	182	1,444	Shizuoka
Aichi	80	81	68	87	95	106	83	79	87	98	105	91	103	112	117	120	117	149	101	235	404	2,518	Aichi
Mie	32	41	31	38	38	30	45	37	48	38	47	55	42	39	47	33	40	49	35	88	151	1,004	Mie
Shiga	9	16	12	13	18	28	16	25	22	13	27	31	31	18	24	27	22	34	22	54	62	524	Shiga

Kyoto	64	63	71	74	76	93	70	77	86	69	70	76	81	59	62	57	56	68	77	134	233	1,716	Kyoto
Osaka	168	176	212	230	214	223	228	257	229	278	249	256	234	220	247	260	254	284	246	506	1,077	6,048	Osaka
Hyogo	68	78	84	103	96	101	88	106	94	110	114	121	129	123	118	118	119	119	126	441	481	2,937	Hyogo
Nara	16	16	17	24	30	29	29	35	17	30	32	36	21	36	35	33	30	38	41	71	97	713	Nara
Wakayama	11	20	13	26	19	25	34	19	20	21	37	22	34	29	22	23	27	25	27	32	59	545	Wakayama
Tottori	8	8	5	5	13	13	11	11	9	15	16	13	4	9	9	10	13	10	10	12	6	210	Tottori
Shimane	22	20	22	18	15	13	21	13	12	17	22	16	15	22	13	24	20	25	14	23	26	393	Shimane
Okayama	28	35	33	48	40	43	44	46	53	57	54	53	46	41	57	36	50	73	66	97	153	1,153	Okayama
Hiroshima	61	65	65	55	62	70	81	96	66	84	92	88	88	75	91	92	93	101	106	169	194	1,894	Hiroshima
Yamaguchi	40	40	54	36	42	42	51	53	46	41	40	40	49	56	58	51	63	59	50	97	185	1,193	Yamaguchi
Tokushima	21	9	12	21	19	16	21	26	28	29	26	36	36	34	29	38	34	43	33	47	103	661	Tokushima
Kagawa	17	20	22	31	20	25	19	23	17	25	19	17	17	29	30	20	28	28	31	77	47	562	Kagawa
Ehime	26	20	27	31	35	33	42	37	33	43	39	42	50	39	27	50	45	39	49	66	78	851	Ehime
Kochi	43	41	48	47	39	56	47	36	42	34	48	42	47	45	40	56	32	54	57	74	70	998	Kochi
Fukuoka	189	186	176	165	184	167	212	193	191	202	207	199	217	243	243	212	260	251	262	502	738	5,199	Fukuoka
Saga	22	23	39	32	28	29	33	25	26	36	39	34	32	33	41	35	32	58	50	61	80	788	Saga
Nagasaki	50	32	30	54	72	73	59	113	59	59	37	64	59	56	70	78	75	80	81	107	168	1,476	Nagasaki
Kumamoto	62	69	71	72	58	71	83	75	73	92	74	69	61	74	66	78	80	105	108	116	155	1,712	Kumamoto
Oita	23	46	35	50	39	36	46	42	36	35	37	34	28	42	32	38	48	48	31	69	100	895	Oita
Miyazaki	39	38	32	51	27	35	58	42	39	35	35	43	72	47	48	34	42	48	54	66	88	973	Miyazaki
Kagoshima	65	44	58	68	54	57	69	74	61	74	69	68	64	81	84	111	109	128	114	158	242	1,852	Kagoshima
Okinawa	16	15	23	26	31	27	36	38	28	30	36	29	40	54	40	34	52	46	50	107	142	900	Okinawa
total	2,048	2,090	2,341	2,530	2,496	2,682	2,730	2,818	2,602	2,726	2,911	2,880	2,857	2,893	2,896	3,021	3,121	3,394	3,268	6,780	10,492	69,576	total

by Great East Japan Earthquake in 2011.
Data sources: <a href="https://anzeninfo.mhlw.go.jp/user/anzen/tok/anst00.htm">https://anzeninfo.mhlw.go.jp/user/anzen/tok/anst00.htm</a> (MHLW, Japan)

Return to <a href="https://www.jisha.or.jp/english/statistics/2021e\_industry.html">https://www.jisha.or.jp/english/statistics/2021e\_industry.html</a>

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Fatal accidents in medical treatment service in Japan in 1999-2021

medical treatment service industry Code No.1301

Type of fatal accidents in medical treatment service in 1999-2021

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	total	Type of accidents
fall from height	2			2	4			1		1	1	1		1					1		2		1	17	fall from height
falling to same level														1										1	falling to same level
crash																									crash
struck by flying or falling object																									struck by flying or falling object
collapse														1										1	collapse
crashed by													1				1					1		3	crashed by
caught in/between								1																1	caught in/between
cut																									cut
injury to the sole of the foot																									injury to the sole of the foot
drown													21								1			22	drown
																									contact to

contact to high/low-temperature																1								1	high/low-
																									temperature
contact to harmful substance			1													2								3	contact to harmful
contact to nammul substance			ľ													2								3	substance
electric shock				1																				1	electric shock
explosion																									explosion
burst																									burst
fire																							5	5	fire
traffic accident (public road)	2	2	1		2	2	3			1		1			1	1			1	2		1	1	21	traffic accident
tranic accident (public road)		2	ľ			2	3					ı			ľ				1	2				21	(public road)
traffic accident (others)																									traffic accident
tranic accident (others)																									(others)
reaction to motion/improper																									reaction to
motion																									motion/improper
motion																									motion
others					3				2	2	1		17		1			2				2	3	33	others
unclassifiable																									unclassifiable
total	4	2	2	3	9	2	3	2	2	4	2	2	39	3	2	4	1	2	2	2	3	4	10	109	total

Causal agents (large) of fatal accidents in medical treatment service in 1999-2021

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	total	Causal (L) agents
machine																									machine
crane, conveying machine	2	2	1		3	2	3			2		1	1	1	1	1	1		1	2	1	2	1	28	crane, conveying
other equipment				1	2			1								1			1					6	other equipment

temporary buildings, establishments	1			2	1						1	1		1							1		1	9	temporary buildings, establishments
substance, material			1													2							5	8	substance, material
load								1																1	load
environment													37	1							1			39	environment
others	1				3				2	2	1		1		1			2				2	3	18	others
total	4	2	2	3	9	2	3	2	2	4	2	2	39	3	2	4	1	2	2	2	3	4	10	109	total

Causal agents (middle) of fatal accidents in medical treatment service in 1999-2021

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	total	Causal (M) agents
engine																									engine
power transmission mechanism																									power transmission mechanism
woodworking machine																									woodworking machine
construction machine																									construction machine
metal manufacturing machine																									metal manufacturing machine
general machine																									general machine
mobile silviculture machine																									mobile silviculture machine
crane										1														1	crane

							ı					<u></u>			ا				ا						
conveying machine		1				1	1			1										1				5	conveying machine
vehicle	2	1	1		3	1	2					1	1	1	1	1	1		1	1	1	2	1	22	vehicle
pressure vessel																									pressure vessel
chemical facilities																									chemical facilities
welding equipment																									welding equipment
kiln, caldron																									kiln, caldron
electric equipment																									electric equipment
human power machine, tools																									human power machine, tools
tools					2			1											1					4	tools
other equipments, facilities				1												1								2	other equipments,
temporary buildings, establishments	1			2	1						1	1		1							1		1	9	temporary buildings, establishments
hazards, harmful substances			1													2							5	8	hazards, harmful substances
materials																									materials
load								1																1	load
natural environment													37	1							1			39	natural environment
other causal agent	1				3										1							1	3	9	other causal agent
no causal agent									2	2	1		1					2				1		9	no causal agent
unclassifiable																									unclassifiable
total	4	2	2	3	9	2	3	2	2	4	2	2	39	3	2	4	1	2	2	2	3	4	10	109	total

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	total	Causal (S) agents
engine																									engine
power transmission mechanism																									power transmission mechanism
circular sawing machine																									circular sawing machine
band sawing machine																									band sawing machine
wood planer machine																									wood planer machine
hollow chisel mortiser, wood borer																									hollow chisel mortiser, wood borer
chamfering machine, router, woodworking milling machine																									chamfering machine, router, woodworking milling machine
chain saw																									chain saw
other woodworking machines																									other woodworking machines
leveling, transporting or loading machine																									leveling, transporting or loading machine

excavating machine													excavating machine
foundation work machine													foundation work
hardening machine													hardening machine
demolition machine													demolition machine
vehicle for high lift work													vehicle for high lift work
other construction machines													other construction machines
lathe													lathe
drill press, milling machine													drill press, milling machine
grinding machine, buffing													grinding machine,
machine													buffing machine
power press													power press
forging pressure hammer													forging pressure hammer
shearing machine													shearing machine
other metal manufacturing machines													other metal manufacturing machines
centrifugal machine													centrifugal machine
mixer, grinder													mixer, grinder
roll machine (except printingroll machine)													roll machine (except printingroll machine)

injection molding machine													injection molding
food manufacturing machine													food manufacturing machine
printing machine													printing machine
industrial robot													industrial robot
other general power machines													other general power machines
felling machine													felling machine
mobile logging machine													mobile logging
skyline yarding machine													skyline yarding machine
other mobile silviculture machine													other mobile silviculture machine
crane													crane
mobile crane													mobile crane
derrick crane													derrick crane
elevator, lift					1							1	elevator, lift
cargo lifting appliance													cargo lifting appliance
gondola													gondola
lumberyard equipment, logging cableway													lumberyard equipment, logging cableway

simple skyline yarding																						simple skyline
equipment				<u> </u>																		yarding equipment
other powered crane																						other powered crane
truck		1				1	1		1								1				5	truck
forklift																						forklift
railway equipment																						railway equipment
conveyor																						conveyor
loader																						loader
straddle carrier																						straddle carrier
rough terrain hauler																						rough terrain haule
other powered conveying machines																						other powered conveying machine
cars, bus, motorcycle	1	1	1		3	1	2			1	1		1	1		1	1	1	2	1	19	cars, bus,
railway vehicle																						railway vehicle
other vehicles	1											1			1						3	other vehicles
boiler																						boiler
pressure vessel																						pressure vessel
other pressure vessels																						other pressure vessels
chemical facilities																						chemical facilities
gas welding equipment																						gas welding equipment
arc welding equipment																						arc welding

															equipment
other welding equipment															other welding equipment
kiln, caldron															kiln, caldron
industrial dryer															industrial dryer
other kiln, caldron															other kiln, caldro
transmission															transmission
electric power facilities															electric power facilities
other electrical equipment															other electrical equipment
human power cranes															human power
human power hauling equipment															human power
human power machine															human power
hand tool															hand tool
adder			2		1						1			4	ladder
slinging tool															slinging tool
other tools															other tools
other equipment, facilities		1							1					2	other equipmer
scaffolding															scaffolding
timbering															timbering

stairs, landing stage	1		1	1				1	1						5	stairs, landing stage
opening							1								1	opening
roof, beam, haze, crossbeam, principal rafter																roof, beam, haze, crossbeam, principal rafter
working platform, boot board																working platform,
passage																passage
building, establishment			1										1	1	3	building, establishment
other temporary buildings, establishments																other temporary buildings, establishments
explosive substance																explosive substance
inflammable substance														5	5	inflammable substance
inflammable gas																inflammable gas
harmful substance		1								2					3	harmful substance
radiation																radiation
other hazards, harmful substances																other hazards, harmful substances
metal material																metal material
lumber, bamboo																lumber, bamboo
stone, sand, substance																stone, sand, substance
other materials																other materials

load								1																1	load
manahina/amuinmantaa laad																									machine/equipment
machine/equipment as load																									as load
natural ground rock														1										1	natural ground,
natural ground, rock																									rock
standing tree																									standing tree
water													37								1			38	water
aha awaal aa isaa aa aa t																									abnormal
abnormal environment																									environment
high/cold temperature																									high/cold
environment																									temperature
environment																									environment
other environments																									other environments
other causal agent	1				3										1							1	3	9	other causal agent
no causal agent									2	2	1		1					2				1		9	no causal agent
unclassifiable																									unclassifiable
total	4	2	2	3	9	2	3	2	2	4	2	2	39	3	2	4	1	2	2	2	3	4	10	109	total

Workers age of fatal accidents in medical treatment service in 1999-2021

Age	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Age
19 years old or less																									19 years old or less
20-29			1	1	1		1						9					1				1	5	20	20-29
30-39					3	1	1		1				4			1								11	30-39
40-49	1	1	1		1			1	1	1			12			2	1		1					23	40-49
							$\vdash$		=				$\vdash$	=			=		=	=				í	

50-59	1			2	3					1	1	1	8	1	1			1		2		1	3	26	50-59
60 years old or more	2	1			1	1	1	1		2	1	1	6	2	1	1			1		3	2	2	29	60 years old or more
total	4	2	2	3	9	2	3	2	2	4	2	2	39	3	2	4	1	2	2	2	3	4	10	109	total

Workers' number of workplace of fatal accidents in medical treatment service in 1999-2021

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	total	Workers scale
9 workers or less					1		1			2	1		17			1	1			1				25	9 workers or less
10-29	1				1	1							6						2				6	17	10-29
30-49				1									3	1									1	6	30-49
50-99	2							1					7			1					1			12	50-99
100-299		1		1	3	1	1			1	1	2	5	1	1	2				1	2	1	2	26	100-299
300 workers or more	1	1	2	1	4		1	1	2	1			1	1	1			2				3	1	23	300 workers or more
total	4	2	2	3	9	2	3	2	2	4	2	2	39	3	2	4	1	2	2	2	3	4	10	109	total

Month of fatal accidents in medical treatment service in 1999-2021

1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Month
1		1	1							1	1								1			1	7	January
				2	1	1			1	1	1				1				1				9	February
	1				1				1			37	1										41	March
				1									1				1				1	2	6	April
				2					1									1					4	May
2		1													3						1	2	9	June
				2					1				1				1			2			7	July
	1999	1999 2000 1	1999 2000 2001  1	1999 2000 2001 2002  1	1999     2000     2001     2002     2003       1     1     1     2       1     1     1     1       1     1     1     1       2     1     1     2       2     1     1     1       2     2     2	1999     2000     2001     2002     2003     2004       1     1     1     2     1       1     1     2     1       1     1     1     1       2     1     1     1       2     2     1       2     2     1       2     2     1	1999     2000     2001     2002     2003     2004     2005       1     1     1     1     1       1     1     2     1     1       1     1     1     1     1       2     1     1     2     1       2     1     1     1     1       2     1     1     1     1       2     2     1     1     1       2     2     1     1     1       2     1     2     1     1	1999       2000       2001       2002       2003       2004       2005       2006         1	1999       2000       2001       2002       2003       2004       2005       2006       2007         1       <	1999       2000       2001       2002       2003       2004       2005       2006       2007       2008         1	1999       2000       2001       2002       2003       2004       2005       2006       2007       2008       2009         1       1       1       1       1       1       1       1         1       1       2       1       1       1       1       1         1 <td>1999       2000       2001       2002       2003       2004       2005       2006       2007       2008       2009       2010         1<td>1     1     1     1     1     1       2     1     1     1     1     1</td><td>1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1</td><td>1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1</td><td>1 1 1 1 1 1 1 1 1</td><td>1     1     1     1     1       2     1     1     1     1</td><td>1 1 1 1 1 1 1 1 1 1</td><td>1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1</td><td>1     1     1     1     1       2     1     1     1     1     1</td><td>1     1     1     1     1       2     1     1     1     1     1</td><td></td><td>1     1     1     1     1     1       2     1     1     1     1     1</td><td>2     1     1     1     1     1     9       1     1     1     37     1     41       1     1     1     1     1     1     2       2     1     1     1     1     4       2     1     3     1     2     9</td></td>	1999       2000       2001       2002       2003       2004       2005       2006       2007       2008       2009       2010         1 <td>1     1     1     1     1     1       2     1     1     1     1     1</td> <td>1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1</td> <td>1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1</td> <td>1 1 1 1 1 1 1 1 1</td> <td>1     1     1     1     1       2     1     1     1     1</td> <td>1 1 1 1 1 1 1 1 1 1</td> <td>1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1</td> <td>1     1     1     1     1       2     1     1     1     1     1</td> <td>1     1     1     1     1       2     1     1     1     1     1</td> <td></td> <td>1     1     1     1     1     1       2     1     1     1     1     1</td> <td>2     1     1     1     1     1     9       1     1     1     37     1     41       1     1     1     1     1     1     2       2     1     1     1     1     4       2     1     3     1     2     9</td>	1     1     1     1     1     1       2     1     1     1     1     1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1     1     1     1     1       2     1     1     1     1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1     1     1     1     1       2     1     1     1     1     1	1     1     1     1     1       2     1     1     1     1     1		1     1     1     1     1     1       2     1     1     1     1     1	2     1     1     1     1     1     9       1     1     1     37     1     41       1     1     1     1     1     1     2       2     1     1     1     1     4       2     1     3     1     2     9

August		1						1							1				1					4	August
September				1			1		1				2		1									6	September
October				1					1												1	1		4	October
November					2		1	1									1					1		6	November
December	1																						5	6	December
total	4	2	2	3	9	2	3	2	2	4	2	2	39	3	2	4	1	2	2	2	3	4	10	109	total

Prefecture of fatal accidents in medical treatment service in 1999-2021

Prefecture	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Prefecture
Hokkaido		1	1			1						1			1	2							1	8	Hokkaido
Aomori													1											1	Aomori
lwate													16		1									17	lwate
Miyagi					1								21											22	Miyagi
Akita																									Akita
Yamagata																									Yamagata
Fukushima		1					1							1							1			4	Fukushima
Ibaraki	1																							1	Ibaraki
Tochigi																									Tochigi
Gunma											1													1	Gunma
Saitama					1		1			1													1	4	Saitama
Chiba																	1							1	Chiba
Tokyo	1								1	1						1					1		1	6	Tokyo
Kanagawa																			1					1	Kanagawa
Niigata																									Niigata

Toyama																1				1	Toyama
Ishikawa		1	I		1													1		3	Ishikawa
Fukui																					Fukui
Yamanashi											1									1	Yamanashi
Nagano						1									1		1			3	Nagano
Gifu																					Gifu
Shizuoka								1					1							2	Shizuoka
Aichi					1		1													2	Aichi
Mie				2																2	Mie
Shiga																		1		1	Shiga
Kyoto									1											1	Kyoto
Osaka	1				3														5	9	Osaka
Hyogo				1						1								1	1	4	Hyogo
Nara								1				1								2	Nara
Wakayama																			1	1	Wakayama
Tottori																					Tottori
Shimane																					Shimane
Okayama																					Okayama
Hiroshima																					Hiroshima
Yamaguchi	1																			1	Yamaguch
Tokushima																	1			1	Tokushima
Kagawa																					Kagawa
Ehime																					Ehime
Kochi																		1		1	Kochi

Fukuoka																1								1	Fukuoka
Saga																									Saga
Nagasaki					1					1											1			3	Nagasaki
Kumamoto					1									1										2	Kumamoto
Oita																									Oita
Miyazaki																		1						1	Miyazaki
Kagoshima										1														1	Kagoshima
Okinawa																									Okinawa
total	4	2	2	3	9	2	3	2	2	4	2	2	39	3	2	4	1	2	2	2	3	4	10	109	total

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

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