Fatal and non-fatal accidents in other health and hygiene service in Japan in 1999-2022

other health and hygiene service industry Code No.1303

Type of accidents in other 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	22	26	20	25	26	35	25	35	33	41	32	41	34	41	35	25	30	22	33	43	29	35	40	29	757
falling to same level	38	43	50	56	76	102	83	100	89	86	96	87	95	96	89	71	70	82	92	103	87	88	82	99	1,960
crash	4	7	19	2	12	7	15	13	12	10	15	12	11	17	13	17	14	13	14	15	24	18	12	9	305
struck by flying or falling object	4	6	5	5	3	4	13	8	5	8	3	8	7	8	3	6	7	6	2	4	5	9	7	8	144
collapse			1	1	3	1	1	2		2	2	1	1		2	1	2	4	2	1	2			1	30
crashed by	3	6	7	6	3	8	6	6	6	1	2	8	3	4	6	7	5	8	6	9	9	9	3	8	139
caught in/between	3	7	5	17	11	20	15	9	14	12	8	12	7	14	10	6	7	9	12	11	5	5	11	8	238
cut	12	10	8	16	12	22	17	16	18	16	20	13	10	13	18	14	14	13	10	13	12	7	11	13	328
injury to the sole of the foot	1		1		1									2	1					1	1	2			10
drown							1						4												5
contact to high/low-	11	3	5	8	8	8	13	9	10	6	9	7	3	7	10	6	5	4	7	6	8	1	2	2	158

temperature																									
contact to harmful substance		1	4				1	3		2		2		3	3	1	1	2	4	3	1			4	35
electric shock		1								1															2
explosion							1		5		1									1					8
burst									2				1				1								4
fire										1												1		1	3
traffic accident (public road)	12	9	15	25	24	28	31	27	26	22	19	25	21	17	15	19	17	10	21	13	15	6	8	7	432
traffic accident (others)	1				1				1									2							5
reaction to motion/improper motion	13	29	32	29	28	45	57	46	44	67	38	45	63	42	56	43	37	31	37	39	42	34	40	45	982
others	2	10	2	8	13	13	7	13	8	7	9	8	5	10	14	8	5	5	6	7	4	22	23	1	210
unclassifiable	1		1	4	8	1	1	1	1	1		3	1	1	1	1			1		2	2	1		32
total	127	158	175	202	229	294	287	288	274	283	254	272	266	275	276	225	215	211	247	269	246	239	240	235	5,787

Causal agents (large) of fatal and non-fatal accidents in other health and hygiene service in 1999-2022

Causal (L) agents	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
machine	8	4	1	5	1	9	2	7	9	5	13	6	4	5	7	6	7	5	7	1	4	3	6	4	129

crane, conveying machine	15	14	20	25	28	38	37	26	29	31	22	34	24	25	22	23	20	12	22	18	22	7	12	13	539
other equipment	21	28	37	43	37	59	57	59	56	55	54	56	43	59	67	41	50	52	49	58	52	58	50	48	1,189
temporary buildings, establishments	47	56	65	79	83	99	88	107	98	101	104	94	97	109	87	88	79	79	103	104	93	102	97	107	2,166
substance, material	9	7	11	7	7	5	16	9	18	9	7	5	4	10	9	7	3	7	9	10	6	6	3	4	188
load	1	5	5	3	6	8	14	8	7	6	6	9	9	1	6	7	2	7	6	17	11	4	6	9	163
environment	9	9	8	2	15	20	14	17	8	10	8	15	19	13	14	18	16	18	18	23	19	5	11	15	324
others	17	35	28	38	52	56	59	55	49	66	40	53	66	53	64	35	38	31	33	38	39	54	55	35	1,089
total	127	158	175	202	229	294	287	288	274	283	254	272	266	275	276	225	215	211	247	269	246	239	240	235	5,787

Causal agents (middle) of fatal and non-fatal accidents in other 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																									
power transmission mechanism								1				1					2								4
woodworking machine	1					2		1	2		2	1			1	1	1	1	1		1	1	1		17

construction machine		1	1	1		1	1		1				2		1						2				11
metal manufacturing machine		1				2					2						1							1	7
general machine	7	2		4	1	4	1	5	6	5	9	4	2	5	5	5	3	4	6	1	1	1	5	3	89
mobile silviculture machine																						1			1
crane						2	2			2				1											7
conveying machine	2	3	1	1	1	3	2	2		3	2	4	1	1	3	1			1	3	2	2	1	3	42
vehicle	13	11	19	24	27	33	33	24	29	26	20	30	23	23	19	22	20	12	21	15	20	5	11	10	490
pressure vessel										1	4					1	2	1		1		1	1	1	13
chemical facilities				1																					1
welding equipment																									
kiln, caldron	1	1	2	1				1	1								1								8
electric equipment		1		1		2				1		1						1	2			2		1	12
human power machine, tools	5	8	15	22	16	22	20	24	15	18	16	17	9	17	25	9	13	16	11	11	14	18	13	12	366
tools	12	13	15	12	18	27	24	18	26	28	25	29	18	25	30	25	24	21	25	33	24	24	25	24	545
other equipments,																									

facilities	3	5	5	6	3	8	13	16	14	7	9	9	16	17	12	6	10	13	11	13	14	13	11	10	244
temporary buildings, establishments	47	56	65	79	83	99	88	107	98	101	104	94	97	109	87	88	79	79	103	104	93	102	97	107	2,166
hazards, harmful substances	2	3	5	1	1		3	4	7	5	1	2		3	3	1	1	2	4	3	1	1		4	57
materials	7	4	6	6	6	5	13	5	11	4	6	3	4	7	6	6	2	5	5	7	5	5	3		131
load	1	5	5	3	6	8	14	8	7	6	6	9	9	1	6	7	2	7	6	17	11	4	6	9	163
natural environment	9	9	8	2	15	20	14	17	8	10	8	15	19	13	14	18	16	18	18	23	19	5	11	15	324
other causal agent	10	22	7	15	22	26	27	24	23	23	18	17	25	20	36	13	13	19	9	12	14	27	29	7	458
no causal agent	6	12	19	19	22	27	29	28	25	35	18	34	38	33	26	20	25	12	22	25	24	27	24	28	578
unclassifiable	1	1	2	4	8	3	3	3	1	8	4	2	3		2	2			2	1	1		2		53
total	127	158	175	202	229	294	287	288	274	283	254	272	266	275	276	225	215	211	247	269	246	239	240	235	5,787

Causal agents (small) of fatal and non-fatal accidents in other 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																									
power transmission mechanism								1				1					2								4

circular sawing machine											2	1			1	1			1		1	1	1		9
band sawing machine																									
wood planer machine																									
hollow chisel mortiser, wood borer																									
chamfering machine, router, woodworking milling machine																									
chain saw									2								1	1							4
other woodworking machines								1																	1
leveling, transporting or loading machine																									
excavating machine							1		1												1				3
foundation work machine															1										1
hardening machine																									

demolition machine																									
vehicle for high lift work													1												1
other construction machines			1										1								1				3
lathe																									
drill press, milling machine																									
grinding machine, buffing machine																	1							1	2
power press																									
forging pressure hammer																									
shearing machine																									
other metal manufacturing machines											2														2
centrifugal machine																									
mixer, grinder														1											1
roll machine (except printingroll machine)								1																	1

injection molding machine																									
food manufacturing machine								1	4	2	4	3	2	2	2	2	1	2	4			1	3	3	36
printing machine																									
industrial robot																									
other general power machines					1		1	3	2	3	5	1		2	3	3	2	2	2	1	1		2		34
felling machine																									
mobile logging machine																									
skyline yarding machine																									
other mobile silviculture machine																						1			1
crane																									
mobile crane							1																		1
derrick crane																									
elevator, lift							1			2				1											4
cargo lifting appliance																									
gondola																									

lumberyard equipment, logging cableway																									
simple skyline yarding equipment																									
other powered crane																									
truck					1		1	1		3	2	3	1	1	2	1				1	1	1		2	21
forklift			1																	1	1			1	4
railway equipment																									
conveyor												1			1					1					3
loader																									
straddle carrier																									
rough terrain hauler																									
other powered conveying machines							1	1											1			1	1		5
cars, bus, motorcycle			18		26		32	24	27	26	19	27	23	22	18	20	20	12	20	15	20	5	10	10	394
railway vehicle															1								1		2
other vehicles			1		1		1		2		1	3		1		2			1						13
boiler																1				1		1		1	4

pressure vessel																	1								1
other pressure vessels										1	4						1	1					1		8
chemical facilities																									
gas welding equipment																									
arc welding equipment																									
other welding equipment																									
kiln, caldron			1					1	1																3
industrial dryer			1														1								2
other kiln, caldron																									
transmission										1		1						1	1			2			6
electric power facilities																									
other electrical equipment																			1					1	2
human power cranes					1																			3	4
human power hauling equipment			9		6		12	13	7	10	9	9	3	9	18	7	5	11	5	5	8	12	10	4	172

human power machine			1						1	1				1				1							5
hand tool			5		9		8	11	7	7	7	8	6	7	7	2	8	4	6	6	6	6	3	5	128
ladder			9		12		6	10	15	15	13	17	10	10	11	10	9	7	14	20	10	11	10	4	223
slinging tool																									
other tools			6		6		18	8	11	13	12	12	8	15	19	15	15	14	11	13	14	13	15	20	258
other equipment, facilities			5		3		13	16	14	7	9	9	16	17	12	6	10	13	11	13	14	13	11	10	222
scaffolding					1							1		1		1		2	1						7
timbering																	1								1
stairs, landing stage			13		21		14	21	19	26	17	18	17	24	15	17	15	12	15	16	21	12	19	25	357
opening														1						1	1	2	3	2	10
roof, beam, haze, crossbeam, principal rafter			1				1			2	1	2	2	4		1			1	1	1	1	1	2	21
working platform, boot board			9		9		11	15	17	18	13	13	20	7	9	16	14	12	10	19	12	16	10	10	260
passage			22		31		37	44	36	37	46	38	45	40	42	37	28	41	53	38	37	41	44	57	794
building, establishment			11		12		11	17	14	11	18	12	9	17	11	9	10	4	11	10	10	10	8	4	219
other temporary buildings,			9		9		14	10	12	7	9	10	4	15	10	7	11	8	12	19	11	20	12	7	216

establishments																									
explosive substance																									
inflammable substance												1		1											2
inflammable gas			1				1		5													1			8
harmful substance			4				1	2		1		1		2	1		1	2	3	2	1			2	23
radiation										1															1
other hazards, harmful substances					1		1	2	2	3	1				2	1			1	1				2	17
metal material			1		1		2		2	1	1	1			2		1	1	1	2			1		17
lumber, bamboo			2		1		2			1	1		2		1	1		1	1	2		1			16
stone, sand, substance			1		1		2			1									1		1	1			8
other materials			2		3		7	5	9	1	4	2	2	7	3	5	1	3	2	3	4	3	2		68
load			5		5		13	7	6	6	6	9	9	1	6	7	2	7	6	17	11	4	6	9	142
machine/equipment as load					1		1	1	1																4
natural ground, rock					1		2	3						1	2		2		2	1	1	1	1		17
standing tree								1	1		1			1		1					1				6
water			1				1			1			4				1	1		1	2				12
abnormal																									

environment												1	1							1					3
high/cold temperature environment					2		1				1	1	1		5	1				1	1			1	15
other environments			7		12		10	13	7	9	6	13	13	11	7	16	13	17	16	19	14	4	10	14	231
other causal agent			7		22		27	24	23	23	18	17	25	20	36	13	13	19	9	12	14	27	29	7	385
no causal agent			19		22		29	28	25	35	18	34	38	33	26	20	25	12	22	25	24	27	24	28	514
unclassifiable			2		8		3	3	1	8	4	2	3		2	2			2	1	1		2		44
total	127	158	175	202	229	294	287	288	274	283	254	272	266	275	276	225	215	211	247	269	246	239	240	235	5,787

Workers age of fatal and non-fatal accidents in other health and hygiene service 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	3	3	5	3	5	8	6	2	8	4	4	3	3	2	4	5	2			4	2	1	3	1	81
20-29	26	34	42	33	46	39	42	31	39	30	30	30	32	30	36	17	21	18	25	18	24	23	18	31	715
30-39	19	24	33	42	38	43	50	61	49	48	40	43	30	41	36	29	30	17	23	38	27	26	26	15	828
40-49	20	27	29	39	39	47	59	47	50	56	34	44	43	53	51	41	46	47	38	48	56	39	44	39	1,036
50-59	36	45	35	61	60	75	81	94	86	87	76	80	69	74	69	65	47	67	71	60	53	65	55	65	1,576
60 years old or more	23	25	31	24	41	82	49	53	42	58	70	72	89	75	80	68	69	62	90	101	84	85	94	84	1,551
total	127	158	175	202	229	294	287	288	274	283	254	272	266	275	276	225	215	211	247	269	246	239	240	235	5,787

Workers' number of workplace of fatal and non-fatal accidents in other 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	28	33	32	36	39	44	35	36	30	37	51	37	38	35	45	43	36	36	38	42	41	37	30	26	885
10-29	50	45	56	58	100	103	105	98	83	88	76	97	88	94	93	64	64	63	72	75	78	82	80	86	1,898
30-49	13	23	34	47	38	46	62	63	61	56	50	59	61	56	54	59	45	45	39	62	50	52	63	53	1,191
50-99	13	30	23	32	21	55	43	42	49	51	43	41	44	47	47	24	38	26	48	44	33	39	36	46	915
100-299	15	24	22	20	18	30	31	43	37	29	24	32	30	29	28	33	29	37	43	41	37	22	25	15	694
300 workers or more	8	3	8	9	13	16	11	6	14	22	10	6	5	14	9	2	3	4	7	5	7	7	6	9	204
total	127	158	175	202	229	294	287	288	274	283	254	272	266	275	276	225	215	211	247	269	246	239	240	235	5,787

Month of fatal and non-fatal accidents in other 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	7	11	22	15	20	26	20	20	30	23	26	18	31	31	30	17	17	31	23	21	29	20	18	24	530
February	11	19	8	12	20	19	19	21	19	19	17	23	22	22	21	23	18	22	21	29	23	18	20	22	468
March	8	10	13	13	20	24	26	34	23	26	28	24	20	17	18	14	13	21	17	29	21	15	20	18	472
April	14	9	10	17	18	29	17	22	12	26	17	28	15	34	25	18	13	13	14	21	14	14	35	18	453
May	9	10	19	23	19	19	25	29	28	38	26	24	30	20	20	20	17	13	19	23	19	17	19	22	508
June	10	12	18	17	23	27	33	31	28	25	20	23	21	23	20	21	27	18	24	19	20	21	21	23	525

July	14	15	13	17	14	35	24	34	32	26	24	26	23	30	23	17	20	16	12	25	24	23	15	18	520
August	12	16	10	17	21	23	22	23	17	16	20	23	29	18	23	23	19	12	17	24	25	19	22	17	468
September	5	16	19	21	21	16	20	16	24	30	24	20	16	20	17	20	16	10	29	20	23	11	24	17	455
October	17	12	15	23	20	29	25	20	22	14	22	20	17	18	30	17	18	18	28	21	19	23	14	23	485
November	9	13	17	11	17	24	31	24	22	21	15	23	25	22	27	22	21	15	20	17	18	31	17	13	475
December	11	15	11	16	16	23	25	14	17	19	15	20	17	20	22	13	16	22	23	20	11	27	15	20	428
total	127	158	175	202	229	294	287	288	274	283	254	272	266	275	276	225	215	211	247	269	246	239	240	235	5,787

Prefecture of fatal and non-fatal accidents in other 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	2	15	8		12		24	14	25	21	11	15	11	10	16	21	16	20	14	19	20	22	13	18	347
Aomori	3	2	4		8		8	1	5	2	2	8	7	13	1	2	4	5	3	4	5	1	9	4	101
Iwate		1	1		2		3	3	2	3	2	1	2	2			2	1	3	1		1	1		31
Miyagi	3		1		4		7	4	3	5	5	8	14	10	7	4	2	1	4	3		1	2	6	94
Akita		2	1		1		2	1	4	3	4	3	3	1	2	2			1		4	3	1	2	40
Yamagata	2	5			3		2	6		1		1	3	3	3	2	1	4	2	2	3	1	4	3	51
Fukushima	1	3	4		4		1	4	3	5	3	2	3	5	6	1	1	2	3	5	1	3		3	63
Ibaraki	1		1		6		5	2	7	5	2	6	4	2	3	6	3	4	3	5	4	9	6	9	93
Tochigi	2	2	2		5		4	2	4	4	4	3	1	10	8	3	2		7	9	1	4	2	10	89
Gunma	2	2	1		4		3	5	4	4	8	6	1	4	6	1	6	4	3	6	7	3	2	6	88

Saitama	4	1	3		7		17	11	16	19	13	9	12	20	9	9	9	7	17	11	14	11	16	19	254
Chiba	4	2	3		11		10	8	7	9	4	8	4	8	3	5	9	5	12	8	20	8	10	10	168
Tokyo	12	14	20		18		29	35	37	25	20	23	10	28	57	21	18	18	17	17	17	21	19	11	487
Kanagawa	6	10	9		15		17	16	13	12	11	21	9	10	16	9	13	18	21	14	9	7	12	10	278
Niigata	1	7	3		2		4	5	6	4	6	9	6	8	3	2	5	4	9	6	6	4		2	102
Toyama	2	2	1		1			2	2		4	3	4	1	2	4	1	3	2	5		2	1	3	45
Ishikawa	1	3	1				2	1	2	6	1	2	12	5	2	3	2	5	2	3	4	3	3	4	67
Fukui	1	2					3	1	2	2	1		2	2	1	1	2		5	3	1	1	1	3	34
Yamanashi			1		2		4	2	1		2				4		2	4	2	1	1		3	4	33
Nagano	5	2	8		2		2	6	2	9	3	4	12	4	4	6	5	3	4	4	4	2	5	2	98
Gifu	1		1		4		2	4	1	2	13	4	5	4	6	2	5	8	3	9	3	5	4	6	92
Shizuoka	1	5	4		3		5	8	6	5	6	6	2	4	3	6	6	9	3	7	5	3	6		103
Aichi	13	18	14		24		15	16	15	14	10	8	13	13	9	9	6	9	5	11	9	11	4	10	256
Mie	3	3	5		3		4	5	5	5	13	7	10	3	1	1	2	4	5	4	3	3	3	2	94
Shiga					1		4	2	8	2	6	2	3	4	3	3	7		2	7	4	7	5	2	72
Kyoto	4	1			10		4	8	3	2	2	7	1	6	1	5	7	3	5	6	8	8	3	2	96
Osaka	9	7	14		15		22	27	20	16	12	19	16	34	24	27	16	20	19	20	21	16	25	13	412
Hyogo	4	4	8		6		5	14	14	23	20	10	13	6	13	3	8	4	8	14	12	10	18	14	231
Nara	1	4	4		3		4	2	2	4	6	3	6	2	2	6	4	3	4	5	4	1	1	1	72
Wakayama			1		2		2	4	4	5	1	1	5		3		3	1	2	1	3	4	4	2	48
Tottori		2					1		2	1	1			2	1				2	1	1	1			15

Shimane			1		1			2	2	5	1	3	2	1	2	1		1	3	1		2		1	29
Okayama		1	1		1		1	1	2	2	2	6	6	6	2	3	3	1	3	3	1	7	2	3	57
Hiroshima	3	2	8		5		7	8	6	4	5	8	10	3	1	6	2	3	5	4	4	3	3	7	107
Yamaguchi	2	2	1		5		4	2	2	2	4	5	2	7	2	1	4	2		3	2	1	1		54
Tokushima	1				1		3		4		2	3	3			1	2		1	2		2	1	2	28
Kagawa		2	3				1	4		1	1	2	3			1			3	4	2	1	2	2	32
Ehime	3	1	2		1		3	4	4	8	7	8	5	4	4	5	3	5	6	5	6	11	6	4	105
Kochi		2	1		2		9	5		3	4	3	2	2		3	5	2	1				1	3	48
Fukuoka	9	14	16		14		21	15	14	13	10	11	9	10	12	8	8	11	11	8	12	7	12	9	254
Saga	1	4	5		2		5	8	2	4	5	3	5	5	1	7	3	5	4	8	4	2	8	4	95
Nagasaki	3	3	2		1		3				2	1			4		1	1	1	2	1	1		1	27
Kumamoto	2	3	7		7		7	9	5	13	6	13	14	4	10	7	5	4	5	4	9	10	10	8	162
Oita	4	3			4		1	1	4		2	2	3	1	3	6	2	2	3	4	2	1	1	1	50
Miyazaki	4		4		4		2	4	3	3	1	5	6	2	11	1	2	2	3	1	5	7	1	2	73
Kagoshima	5	2	1		2		4	4	1	5	4		2	3	3	8	7	3	6	8	3	8	7	7	93
Okinawa	2				1		1	2		2	2			3	2	3	1			1	1		2		23
total	127	158	175	202	229	294	287	288	274	283	254	272	266	275	276	225	215	211	247	269	246	239	240	235	5,787

Fatal and non-fatal accidents mean fatal and non-fatal injuries and occupational diseases with work absence of 4 days and more.

Data of 2022 year do not include Covid-19 cases. Data of 2020 & 2021 year include Covid-19 cases. Fatal and non-fatal data are same situation.

Data of 2011 year include fatal and non-fatal accidents caused by Great East Japan Earthquake in 2011.

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

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Fatal accidents in other health and hygiene service in Japan in 1999-2022

other health and hygiene service industry Code No.1303

Type of fatal accidents in other 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		1			1	1		1					1			1								1	7
falling to same level																									
crash																									
struck by flying or falling object																									
collapse																									
crashed by											1		1												2
caught in/between													1												1
cut																									
injury to the sole of the foot																									

drown							1						3												4
contact to high/low-temperature																									
contact to harmful substance																				1					1
electric shock																									
explosion									3																3
burst																									
fire										1															1
traffic accident (public road)		1	1	1		1	2		2				1												9
traffic accident (others)																									
reaction to motion/improper motion																									
others				1							1	1			1					1					5
unclassifiable																									
total		2	1	2	1	2	3	1	5	1	2	1	7		1	1				2				1	33

Causal agents (large) of fatal accidents in other health and hygiene service in 1999-2022

Causal (L) agents	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
machine									1		1		2												4
crane, conveying machine		1	1	1		1	2		1				1											1	9
other equipment					1					1			2			1									5
temporary buildings, establishments		1				1	1	1																	4
substance, material									3																3
load																									
environment													2							1					3
others				1							1	1			1					1					5
total		2	1	2	1	2	3	1	5	1	2	1	7		1	1				2				1	33

Causal agents (middle) of fatal accidents in other 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																									
power transmission mechanism																									

woodworking machine																									
construction machine									1				2												3
metal manufacturing machine																									
general machine											1														1
mobile silviculture machine																									
crane																									
conveying machine		1																							1
vehicle			1	1		1	2		1				1											1	8
pressure vessel																									
chemical facilities																									
welding equipment																									
kiln, caldron																									
electric equipment										1															1
human power machine, tools																									
tools					1								1			1									3
other equipments,																									

facilities													1												1
temporary buildings, establishments		1				1	1	1																	4
hazards, harmful substances									3																3
materials																									
load																									
natural environment													2							1					3
other causal agent																									
no causal agent				1							1	1			1					1					5
unclassifiable																									
total		2	1	2	1	2	3	1	5	1	2	1	7		1	1				2				1	33

Causal agents (small) of fatal accidents in other 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																									
power transmission mechanism																									

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																									
excavating machine									1																1
foundation work machine																									
hardening machine																									

demolition machine																									
vehicle for high lift work													1												1
other construction machines													1												1
lathe																									
drill press, milling machine																									
grinding machine, buffing machine																									
power press																									
forging pressure hammer																									
shearing machine																									
other metal manufacturing machines																									
centrifugal machine																									
mixer, grinder																									
roll machine (except printingroll machine)																									

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

lumberyard equipment, logging cableway																									
simple skyline yarding equipment																									
other powered crane																									
truck		1																							1
forklift																									
railway equipment																									
conveyor																									
loader																									
straddle carrier																									
rough terrain hauler																									
other powered conveying machines																									
cars, bus, motorcycle			1	1		1	2		1				1											1	8
railway vehicle																									
other vehicles																									
boiler																									

pressure vessel																									
other pressure vessels																									
chemical facilities																									
gas welding equipment																									
arc welding equipment																									
other welding equipment																									
kiln, caldron																									
industrial dryer																									
other kiln, caldron																									
transmission																									
electric power facilities																									
other electrical equipment										1															1
human power cranes																									
human power hauling equipment																									

human power machine																									
hand tool																									
ladder					1								1			1									3
slinging tool																									
other tools																									
other equipment, facilities													1												1
scaffolding																									
timbering																									
stairs, landing stage																									
opening																									
roof, beam, haze, crossbeam, principal rafter		1				1																			2
working platform, boot board																									
passage								1																	1
building, establishment																									
other temporary buildings,							1																		1

establishments																									
explosive substance																									
inflammable substance																									
inflammable gas									3																3
harmful substance																									
radiation																									
other hazards, harmful substances																									
metal material																									
lumber, bamboo																									
stone, sand, substance																									
other materials																									
load																									
machine/equipment as load																									
natural ground, rock																									
standing tree																									
water													2												2
abnormal																									

environment																				1					1
high/cold temperature environment																									
other environments																									
other causal agent																									
no causal agent				1							1	1			1					1					5
unclassifiable																									
total		2	1	2	1	2	3	1	5	1	2	1	7		1	1				2				1	33

Workers age of fatal accidents in other health and hygiene service 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			2				1												5
30-39		1		1					1		1				1										5
40-49												1								1					2
50-59		1				1	2		2		1		2							1				1	11
60 years old or more				1	1		1	1		1			4			1									10
total		2	1	2	1	2	3	1	5	1	2	1	7		1	1				2				1	33

Workers' number of workplace of fatal accidents in other 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	1	1	2		1	1	1	1	2												12
10-29		1	1	1		1	1	1					4							2					12
30-49									1							1									2
50-99									3		1		1		1										6
100-299																								1	1
300 workers or more																									
total		2	1	2	1	2	3	1	5	1	2	1	7		1	1				2				1	33

Month of fatal accidents in other 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						1				1										5
February							1													1					2
March												1	2			1									4
April								1												1					2
May										1														1	2
June			1			1			3				1												6

July									1																1
August													1												1
September		1					1				1														3
October																									
November						1	1		1				2												5
December				1									1												2
total		2	1	2	1	2	3	1	5	1	2	1	7		1	1				2				1	33

Prefecture of fatal accidents in other 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												4
Aomori					1																				1
Iwate							1																		1
Miyagi						1	1						2												4
Akita																									
Yamagata																									
Fukushima																									
Ibaraki													1												1
Tochigi																									
Gunma																									

Saitama		1																							1
Chiba																									
Tokyo									4	1			1												6
Kanagawa															1										1
Niigata																									
Toyama																									
Ishikawa																									
Fukui																									
Yamanashi																									
Nagano																									
Gifu																								1	1
Shizuoka																									
Aichi			1				1																		2
Mie																									
Shiga																									
Kyoto																									
Osaka												1													1
Hyogo													1							1					2
Nara																1									1
Wakayama																									
Tottori				1																					1

Shimane																									
Okayama																				1					1
Hiroshima																									
Yamaguchi								1																	1
Tokushima																									
Kagawa																									
Ehime						1																			1
Kochi																									
Fukuoka																									
Saga											1														1
Nagasaki																									
Kumamoto																									
Oita													1												1
Miyazaki																									
Kagoshima		1																							1
Okinawa																									
total		2	1	2	1	2	3	1	5	1	2	1	7		1	1				2				1	33

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

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