Fatal and non-fatal accidents in wood furniture in Japan in 1999-2022

wood furniture industry Code No.010501

Type of accidents in wood furniture 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	35	27	28	24	50	24	28	28	21	10	14	16	7	9	11	17	11	17	11	16	5	9	13	15	446
falling to same level	49	48	42	37	39	25	41	20	27	22	20	21	14	22	26	20	11	19	16	20	21	20	21	25	626
crash	7	8	8	6	8	15	4	12	4	7	3	10	3	3	6	6	3	2	3	4	5	5	4	2	138
struck by flying or falling object	60	58	50	36	31	30	34	26	35	22	20	16	18	16	12	12	17	20	8	17	15	7	7	14	581
collapse	9	11	15	3	15	8	12	11	7	4	8	11	8	6	8	6	7	3	6	6	5	3	3	3	178
crashed by	35	19	24	16	19	10	8	13	7	4	10	5	10	7	11	8	8	9	6	5	14	7	7	6	268
caught in/between	144	134	97	104	85	72	63	72	78	56	52	34	56	44	49	44	37	38	28	43	40	38	36	23	1,467
cut	311	338	288	294	270	244	213	232	197	185	161	160	167	120	125	160	120	107	89	101	94	87	97	63	4,223
injury to the sole of the foot		1				2		1								1				1					6
drown													2												2
contact to high/low-	4	8	5	6	5	4	2	1	1	3	3		1	2	4		2	4	2	6	1		1	1	66

temperature																									
contact to harmful substance		1	1		1		1		1	1												1			7
electric shock														1	1							1	1		4
explosion	1		2					2	1						1										7
burst	1																			1					2
fire		2		1			1																		4
traffic accident (public road)	9	3	2	3	2		1	3	2	3			2		4			2	3	2		2		2	45
traffic accident (others)	2																								2
reaction to motion/improper motion	33	20	20	25	18	20	21	22	23	13	10	13	14	20	15	14	16	13	12	14	11	13	16	13	409
others	2	1	3		5		1	1	1	1			1					1			2	1			20
unclassifiable	1		1		1	1	2												1						7
total	703	679	586	555	549	455	432	444	405	331	301	286	303	250	273	288	232	235	185	236	213	194	206	167	8,508

Causal agents (large) of fatal and non-fatal accidents in wood furniture 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	468	478	381	389	350	312	278	300	280	236	210	197	227	168	167	199	156	136	114	147	142	123	132	87	5,677

crane, conveying machine	40	28	18	22	23	13	14	20	17	15	17	10	11	7	15	8	11	15	9	9	9	7	7	8	353
other equipment	48	46	51	44	53	38	46	48	31	25	31	25	17	18	22	21	14	26	16	28	10	15	24	26	723
temporary buildings, establishments	41	36	30	38	46	33	38	20	24	15	14	20	13	19	22	21	12	19	17	19	20	15	17	20	569
substance, material	65	53	67	40	52	39	31	32	30	23	22	20	16	20	29	22	21	20	18	19	21	19	14	15	708
load	23	24	22	10	15	12	15	13	12	9	4	7	7	12	5	7	10	7	2	5	1	5	4	5	236
environment	4	7	3	2	4	2	1	3	2	3		2	4	1	5	3	1	4	2	4	4	3		1	65
others	14	7	14	10	6	6	9	8	9	5	3	5	8	5	8	7	7	8	7	5	6	7	8	5	177
total	703	679	586	555	549	455	432	444	405	331	301	286	303	250	273	288	232	235	185	236	213	194	206	167	8,508

Causal agents (middle) of fatal and non-fatal accidents in wood furniture 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
power transmission mechanism	4	2	2	4	1	2	2			1	1	3	1			1	2	1		2					29
woodworking machine	420	446	348	359	326	287	253	273	255	219	191	186	201	153	152	177	139	129	106	132	124	112	123	75	5,186

construction machine						1																1			2
metal manufacturing machine	9	5	3	4	7	5	5	8	7	3	3	1	2	3	5	5	2	1		3	1	1	2	2	87
general machine	35	25	28	22	16	17	17	19	18	13	15	7	23	12	10	16	13	5	8	10	17	9	7	10	372
mobile silviculture machine																									
crane	1	4	4	2	5	1	1	3	1	5		2	1	1			1	1	1		1				35
conveying machine	31	21	12	19	17	11	11	12	13	8	17	8	8	6	11	7	10	11	7	7	8	4	7	7	273
vehicle	8	3	2	1	1	1	2	5	3	2			2		4	1		3	1	2		3		1	45
pressure vessel				1	1				1															1	4
chemical facilities																									
welding equipment									1																1
kiln, caldron	2	4	1	1	1	3	1	2			2						1	2		4			2		26
electric equipment		3						1						1									2		7
human power machine, tools	25	21	26	20	21	20	26	21	10	11	16	8	14	5	11	11	4	10	8	13	4	9	9	13	336
tools	16	11	22	19	26	11	15	19	14	7	11	13	2	5	6	6	7	13	6	8	5	5	10	8	265
other equipments,																									

facilities	5	7	2	3	4	4	4	5	5	7	2	4	1	7	5	4	2	1	2	3	1	1	1	4	84
temporary buildings, establishments	41	36	30	38	46	33	38	20	24	15	14	20	13	19	22	21	12	19	17	19	20	15	17	20	569
hazards, harmful substances	2	2	3	2	3	1	4		1	1					1							1			21
materials	63	51	64	38	49	38	27	32	29	22	22	20	16	20	28	22	21	20	18	19	21	18	14	15	687
load	23	24	22	10	15	12	15	13	12	9	4	7	7	12	5	7	10	7	2	5	1	5	4	5	236
natural environment	4	7	3	2	4	2	1	3	2	3		2	4	1	5	3	1	4	2	4	4	3		1	65
other causal agent	4	3	3	1		1	1	3			1	1	2	2	4	1	1	2	1	1	1	2	1	1	37
no causal agent	9	3	7	8	5	4	6	4	8	5	2	4	6	3	4	6	5	6	6	4	5	5	7	4	126
unclassifiable	1	1	4	1	1	1	2	1	1								1								14
total	703	679	586	555	549	455	432	444	405	331	301	286	303	250	273	288	232	235	185	236	213	194	206	167	8,508

Causal agents (small) of fatal and non-fatal accidents in wood furniture 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																		1
power transmission mechanism			2		1		2			1	1	3	1			1	2	1		2					17

circular sawing machine			168		187		159	165	147	128	118	116	107	93	96	109	91	85	60	71	77	63	74	43	2,157
band sawing machine			11		6		7	6	3	5	5	1	2	1	6	3	2		3	1	2	4	4	1	73
wood planer machine			41		38		21	21	17	25	24	25	23	13	16	16	10	4	11	19	12	9	12	5	362
hollow chisel mortiser, wood borer			13		7		5	4	9	4	5	2	8	4	5	4	5	4	2	3	2	3		2	91
chamfering machine, router, woodworking milling machine			37		26		10	13	19	18	8	10	10	10	8	11	8	7	5	12	3	4	12	3	234
chain saw			1		1																				2
other woodworking machines			77		61		51	64	60	39	31	32	51	32	21	34	23	29	25	26	28	29	21	21	755
leveling, transporting or loading machine																						1			1
excavating machine																									
foundation work machine																									
hardening machine																									

demolition machine																									
vehicle for high lift work																									
other construction machines																									
lathe			1													1		1						1	4
drill press, milling machine			1		1			3	3	1	1	1	2		3	3				1		1		1	22
grinding machine, buffing machine							2	1	1	1	1					1	1			1	1				10
power press					2		1	4	2					1	1								2		13
forging pressure hammer																									
shearing machine																									
other metal manufacturing machines			1		4		2		1	1	1			2	1		1			1					15
centrifugal machine																									
mixer, grinder								2																	2
roll machine (except printingroll machine)			8		2		5	3	7	3	1	1	6	1	5	4	2	2	2	3	2	3	2	2	64

injection molding machine																					1				1
food manufacturing machine																									
printing machine																									
industrial robot											1										1				2
other general power machines			20		14		12	14	11	10	13	6	17	11	5	12	11	3	6	7	13	6	5	8	204
felling machine																									
mobile logging machine																									
skyline yarding machine																									
other mobile silviculture machine																									
crane									1																1
mobile crane										1															1
derrick crane																									
elevator, lift			3		3		1	3		3		2		1			1	1							18
cargo lifting appliance																									
gondola										1															1

lumberyard equipment, logging cableway																									
simple skyline yarding equipment																									
other powered crane			1		2								1						1		1				6
truck			5		12		4	10	5	3	5	4	3	2	5	3	4	2	4	1	2	1	4	4	83
forklift			1		3		5	2	4	4	5	3	3	4	2	3	1	4	2	5	3	2	1	2	59
railway equipment																									
conveyor			6		2		2		4	1	7	1	1		4	1	4	5	1	1	3	1	2	1	47
loader													1												1
straddle carrier																									
rough terrain hauler																									
other powered conveying machines																	1								1
cars, bus, motorcycle			1		1		1	4	3	2			2		4	1		3	1	2		3		1	29
railway vehicle																									
other vehicles			1				1	1																	3
boiler					1																				1

pressure vessel																									
other pressure vessels									1															1	2
chemical facilities																									
gas welding equipment																									
arc welding equipment																									
other welding equipment									1																1
kiln, caldron			1		1		1	2			2									3			2		12
industrial dryer																									
other kiln, caldron																	1	2		1					4
transmission								1															1		2
electric power facilities																							1		1
other electrical equipment														1											1
human power cranes																						1			1
human power hauling equipment			6		7		7	4		2	8	3	4		4	3		5	2	8		3	5	6	77

human power machine					3				1						1	1							1		7
hand tool			20		11		19	17	9	9	8	5	10	5	6	7	4	5	6	5	4	5	3	7	165
ladder			15		19		11	11	7	5	5	6	1	3	3	4	5	11	3	7	1	2	6	6	131
slinging tool																									
other tools			7		7		4	8	7	2	6	7	1	2	3	2	2	2	3	1	4	3	4	2	77
other equipment, facilities			2		4		4	5	5	7	2	4	1	7	5	4	2	1	2	3	1	1	1	4	65
scaffolding			1		1		1		2							1									6
timbering																									
stairs, landing stage			9		10		6	5	3	2	3	5	1	1	3	3		3	6	3	2	4	2	2	73
opening					2																				2
roof, beam, haze, crossbeam, principal rafter			2		3		1	1	2					2		1		1		1		1		1	16
working platform, boot board			3		6		7	5	2	3	2	5	1	5	1	6	3	6	1	4	5	2	4	3	74
passage			13		13		17	7	10	8	4	8	6	8	12	8	7	8	5	8	11	7	8	12	180
building, establishment			1		4		5		4	2	5	2	4	1	4	1	1		3	3	1	1	2	1	45
other temporary buildings,			1		7		1	2	1				1	2	2	1	1	1	2		1		1	1	25

establishments																									
explosive substance																									
inflammable substance									1																1
inflammable gas																									
harmful substance			1		1					1												1			4
radiation																									
other hazards, harmful substances			2		2		4								1										9
metal material			3		1		2	3		2	2		2		1	4		3				2	1	1	27
lumber, bamboo			55		44		23	27	28	18	18	18	14	15	23	14	21	16	17	15	21	14	11	12	424
stone, sand, substance			1		1																			1	3
other materials			5		3		2	2	1	2	2	2		5	4	4		1	1	4		2	2	1	43
load			18		15		15	13	11	7	4	6	7	12	5	6	10	7	2	5		4	4	5	156
machine/equipment as load			4						1	2		1				1					1	1			11
natural ground, rock									1									1							2
standing tree								1				1										1			3
water													3									1			4
abnormal																									

environment																									
high/cold temperature environment					1					2					1			2	1	3	2			1	13
other environments			3		3		1	2	1	1		1	1	1	4	3	1	1	1	1	2	1			28
other causal agent			3				1	3			1	1	2	2	4	1	1	2	1	1	1	2	1	1	28
no causal agent			7		5		6	4	8	5	2	4	6	3	4	6	5	6	6	4	5	5	7	4	102
unclassifiable			4		1		2	1	1								1								10
total	703	679	586	555	549	455	432	444	405	331	301	286	303	250	273	288	232	235	185	236	213	194	206	167	8,508

Workers age of fatal and non-fatal accidents in wood furniture 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	21	20	4	11	9	14	8	8	2	4	4	6	6	13	9	5	5	2	2	5	8	5	2	193
20-29	129	99	82	94	98	82	76	84	74	63	60	45	51	31	42	43	48	35	24	29	36	34	28	24	1,411
30-39	89	94	82	85	80	55	68	85	59	61	53	58	55	47	53	53	42	37	33	40	38	23	25	21	1,336
40-49	137	119	86	85	88	84	58	78	58	49	46	47	46	41	51	48	31	47	30	40	38	35	42	30	1,414
50-59	218	216	191	168	157	129	114	91	106	75	75	63	65	52	46	62	44	45	33	56	40	38	46	40	2,170
60 years old or more	110	130	125	119	115	96	102	98	100	81	63	69	80	73	68	73	62	66	63	69	56	56	60	50	1,984
total	703	679	586	555	549	455	432	444	405	331	301	286	303	250	273	288	232	235	185	236	213	194	206	167	8,508

Workers' number of workplace of fatal and non-fatal accidents in wood furniture 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	274	260	244	216	240	182	190	187	167	134	127	139	126	96	103	113	98	95	71	75	58	64	64	55	3,378
10-29	234	226	186	175	180	158	152	144	130	118	105	89	103	74	97	97	79	75	67	89	81	74	82	58	2,873
30-49	91	103	58	68	53	49	43	43	56	34	35	25	33	33	33	25	27	26	22	25	32	26	26	27	993
50-99	58	53	67	68	50	40	23	38	31	28	22	13	21	28	22	32	15	22	16	21	23	20	16	16	743
100-299	45	36	28	22	21	25	23	30	18	17	12	17	19	17	17	18	13	15	9	23	18	9	18	9	479
300 workers or more	1	1	3	6	5	1	1	2	3			3	1	2	1	3		2		3	1	1		2	42
total	703	679	586	555	549	455	432	444	405	331	301	286	303	250	273	288	232	235	185	236	213	194	206	167	8,508

Month of fatal and non-fatal accidents in wood furniture 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	66	58	50	43	48	40	28	39	25	26	36	20	24	17	27	38	23	12	19	24	16	19	20	11	729
February	56	71	45	57	39	39	44	33	42	32	30	30	22	27	22	26	16	28	19	23	25	13	10	3	752
March	60	63	55	49	52	43	44	40	36	27	26	31	27	20	24	30	21	18	19	28	22	22	23	19	799
April	56	55	44	47	46	33	34	32	38	30	18	24	22	21	16	21	14	23	13	18	16	14	22	28	685
May	53	49	48	56	59	34	38	31	37	27	26	20	15	19	21	34	18	14	14	16	20	11	15	16	691
June	72	50	55	51	44	33	35	42	39	35	25	9	26	14	18	18	20	30	14	14	10	23	25	12	714

July	68	55	52	49	46	50	28	33	24	32	27	33	26	26	27	26	23	19	10	20	22	16	20	5	737
August	44	49	42	31	45	45	39	43	40	21	19	18	34	18	22	23	17	22	12	9	21	16	12	13	655
September	63	72	49	53	39	38	39	36	36	26	21	24	32	23	26	23	20	14	14	19	18	15	20	15	735
October	66	65	40	39	54	27	33	42	38	24	29	22	27	24	22	17	21	16	16	19	12	17	14	18	702
November	53	49	53	47	46	36	39	40	27	26	21	27	24	19	27	15	20	19	19	27	15	13	14	14	690
December	46	43	53	33	31	37	31	33	23	25	23	28	24	22	21	17	19	20	16	19	16	15	11	13	619
total	703	679	586	555	549	455	432	444	405	331	301	286	303	250	273	288	232	235	185	236	213	194	206	167	8,508

Prefecture of fatal and non-fatal accidents in wood furniture 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	46	45	44		27		24	18	26	15	13	18	21	12	12	11	13	19	14	15	17	6	15	14	445
Aomori	2	6	5		3		2	3	2	1		3	2	1	4	5	2		2	4		1	3	2	53
Iwate	3	6	4		10		2	2	3	4	4	2	6	4	2	2	2	4		3	4	2	3	1	73
Miyagi	4	5	4		8		6	4	2	2	1	1	2		2			1			2			1	45
Akita	9	16	3		5		1	9	5	7	4	6	4	2	2	7	6	4	3	1	5	5	8	4	116
Yamagata	13	9	21		14		6	14	11	6	3	4	7	7	8	7	11	7	2	5	8	8	4	3	178
Fukushima	1	12	7		7		7	9	11	8	2	6	9	7	7	4	6	5	5	2	8	2	2	2	129
Ibaraki	7	9	4		6			6	7	4	3		1	1	1	6	1	2	1	1	2	3	2	3	70
Tochigi	14	8	9		9		7	3	3	3	4	5	7	4	2	4	4	5	3	9	3	4	1	4	115
Gunma	32	21	25		20		23	23	16	12	12	15	8	13	16	10	9	9	7	11	6	13	4	7	312

Saitama	20	19	15		15		20	16	29	22	19	8	11	9	9	13	10	4	11	10	3	6	4	5	278
Chiba	5	3	5		3		1	3	2		1	3	1	2	4	4		3	1	2	1	1	1	3	49
Tokyo	19	14	18		23		13	5	11	11	10	9	6	8	5	4	10	6	9	7	3	1	4	2	198
Kanagawa	7	4	6		7		5	9	4	3	4	4	4	3	2	9		1	3	5	1	2	4	1	88
Niigata	11	23	15		15		10	7	6	3	10	10	6	6	7	5	5	11	10	7	5	9	5	3	189
Toyama	3	5	3		7		3	1	4		4	3	2	4	1	3		2	1	1	3	2	2	1	55
Ishikawa	9	2	8				5	3	5	4	2	3	7		2	3		1	2		1	6		3	66
Fukui	11	11	16		8		8	9	2	7	7	2	2	4	7	2	2	5	4	11	5	7	7	7	144
Yamanashi	5	5	4		5			1	2	1	1	1	3	3	3	2	1	1		4	4	1	1	1	49
Nagano	12	6	7		10		4	5	5	1	3	5	2	3	4	6	4	2	1	3	2	1	1	3	90
Gifu	35	32	16		17		14	25	28	22	25	17	19	9	14	20	19	9	11	19	14	8	14	6	393
Shizuoka	55	49	42		30		37	31	25	21	22	19	21	16	13	25	18	12	8	12	10	11	12	10	499
Aichi	26	35	28		22		24	20	21	17	9	24	13	9	9	12	7	11	7	7	6	10	8	10	335
Mie	5	5	3		4		6	1	2	2	1	2	3	1	3		1	1	3	2	1				46
Shiga	1	3	3					1		2	3			1							1				15
Kyoto	5	12	8		3		6	5	4	3	3	1	3	2	2	3	4	3	2	1		3	1		74
Osaka	26	23	25		28		23	32	20	23	13	24	23	12	22	19	18	21	7	9	10	5	14	6	403
Hyogo	23	14	12		17		13	17	17	8	12	8	8	5	5	7	3	4	5	2	3	4	6	6	199
Nara	8	7	4		1		6	3	2	6	5	2	1	2	2	1	4	5	4	2	1	1	2	2	71
Wakayama	12	18	10		14		8	10	8	11	7	6	4	8	7	8	6	1	1	2	2	2	2	2	149
Tottori	4	3	1		5		2	4	2	1	3	1			2	2	1	1			4	2	1		39

Shimane	4	9	1		3		1	1	3		2	1	2		3		3	2	2	4	1			1	43
Okayama	8	4	1		10		5	6	7	1	4	1	2	5	1	4	2	4	7	3	2	3	8	3	91
Hiroshima	36	35	34		27		19	26	13	11	15	11	15	16	9	17	9	11	8	14	15	9	7	7	364
Yamaguchi	6	5	2		3		3	3	1	2	2	1	3	1	1	1	2				3	1	1	3	44
Tokushima	28	28	20		12		24	14	13	10	7	5	14	11	10	10	10	5	4	6	4	6	4	4	249
Kagawa	17	17	11		11		5	5	11	8	7	1	4	9	7	6	6	5	4	5	4	1	5	2	151
Ehime	9	5	8		5		3	6	5	5	2	5	2	3	1	3	1	2	1	1	3	2	2	4	78
Kochi	10	14	13		12		4	2	1	2	4	6	2	1	6	1	1	3	2	1	1		3		89
Fukuoka	97	90	82		75		47	49	38	30	34	25	32	25	32	27	17	21	23	22	21	26	28	15	856
Saga	11	12	11		13		6	9	8	11	5	7	9	7	8	3	6	6	6	7	5	6	9	8	173
Nagasaki	9	5	7		8		2	2	2	1	2	1	1		1					2	1	1			45
Kumamoto	6	5	4		5		6	1	3	2	2	1		2	2			1			2		2		44
Oita	11	6	10		12		9	13	9	11	3	3	5	4	7	6	2	6	1	10	8	3	4	4	147
Miyazaki	11	9	4		5		5	6	2	3	1	4	2	7	3	4	4	6		1	6	6	1	2	92
Kagoshima	6	5	1		4		5	1	4	3		1	2	1	3	2	2	3		2	2	4	1	2	54
Okinawa	1		2		1		2	1		1	1	1	2							1					13
total	703	679	586	555	549	455	432	444	405	331	301	286	303	250	273	288	232	235	185	236	213	194	206	167	8,508

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 wood furniture in Japan in 1999-2022

wood furniture industry Code No.010501

Type of fatal accidents in wood furniture 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																				2
falling to same level																									
crash																									
struck by flying or falling object		1				1																		1	3
collapse																									
crashed by	1																								1
caught in/between									1	1			1				1				1				5
cut																									
injury to the sole of the foot																									

drown													2												2
contact to high/low-temperature																									
contact to harmful substance																									
electric shock																									
explosion																									
burst																									
fire																									
traffic accident (public road)				1																1				1	3
traffic accident (others)																									
reaction to motion/improper motion																									
others													1												1
unclassifiable																									
total	1	2		1	1	1			1	1			4				1			1	1			2	17

Causal agents (large) of fatal accidents in wood furniture 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	2				1			1				1								1				7
crane, conveying machine				1						1							1			1				2	6
other equipment																									
temporary buildings, establishments					1																				1
substance, material																									
load																									
environment													3												3
others																									
total	1	2		1	1	1			1	1			4				1			1	1			2	17

Causal agents (middle) of fatal accidents in wood furniture 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	1	2				1			1				1												6
construction machine																									
metal manufacturing machine																									
general machine																					1				1
mobile silviculture machine																									
crane										1															1
conveying machine																	1			1				1	3
vehicle				1																				1	2
pressure vessel																									
chemical facilities																									
welding equipment																									
kiln, caldron																									
electric equipment																									
human power machine, tools																									
tools																									
other equipments,																									

facilities																									
temporary buildings, establishments					1																				1
hazards, harmful substances																									
materials																									
load																									
natural environment													3												3
other causal agent																									
no causal agent																									
unclassifiable																									
total	1	2		1	1	1			1	1			4				1			1	1			2	17

Causal agents (small) of fatal accidents in wood furniture 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		2				1																			3
band sawing machine																									
wood planer machine																									
hollow chisel mortiser, wood borer									1																1
chamfering machine, router, woodworking milling machine	1												1												2
chain saw																									
other woodworking machines																									
leveling, transporting or loading machine																									
excavating machine																									
foundation work machine																									
hardening machine																									

demolition machine																									
vehicle for high lift work																									
other construction machines																									
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																					1				1
other general power machines																									
felling machine																									
mobile logging machine																									
skyline yarding machine																									
other mobile silviculture machine																									
crane																									
mobile crane																									
derrick crane																									
elevator, lift										1															1
cargo lifting appliance																									
gondola																									

lumberyard equipment, logging cableway																									
simple skyline yarding equipment																									
other powered crane																									
truck																				1					1
forklift																								1	1
railway equipment																									
conveyor																									
loader																									
straddle carrier																									
rough terrain hauler																									
other powered conveying machines																	1								1
cars, bus, motorcycle				1																				1	2
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																									
human power cranes																									
human power hauling equipment																									

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

establishments																									
explosive substance																									
inflammable substance																									
inflammable gas																									
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													3												3
abnormal																									

environment																									
high/cold temperature environment																									
other environments																									
other causal agent																									
no causal agent																									
unclassifiable																									
total	1	2		1	1	1			1	1			4				1			1	1			2	17

Workers age of fatal accidents in wood furniture in 1999-2022

Age	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
19 years old or less																									
20-29				1	1																1			1	4
30-39																				1					1
40-49	1									1			1				1								4
50-59						1			1				2												4
60 years old or more		2											1											1	4
total	1	2		1	1	1			1	1			4				1			1	1			2	17

Workers' number of workplace of fatal accidents in wood furniture in 1999-2022

Workers scale	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
9 workers or less		1		1									3												5
10-29	1																							2	3
30-49		1			1	1				1			1				1								6
50-99									1																1
100-299																				1	1				2
300 workers or more																									
total	1	2		1	1	1			1	1			4				1			1	1			2	17

Month of fatal accidents in wood furniture 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																									
February																									
March	1	1											3												5
April		1								1														1	3
May					1				1				1												3
June																									

July																									
August																									
September																					1				1
October				1		1														1				1	4
November																	1								1
December																									
total	1	2		1	1	1			1	1			4				1			1	1			2	17

Prefecture of fatal accidents in wood furniture 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												3
Aomori																									
Iwate													1												1
Miyagi													2												2
Akita																	1								1
Yamagata																									
Fukushima																									
Ibaraki																									
Tochigi																					1				1
Gunma																									

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

Shimane																									
Okayama																									
Hiroshima																									
Yamaguchi					1																				1
Tokushima																									
Kagawa																									
Ehime																									
Kochi																									
Fukuoka	1																								1
Saga																									
Nagasaki																									
Kumamoto																									
Oita										1															1
Miyazaki																									
Kagoshima																									
Okinawa																									
total	1	2		1	1	1			1	1			4				1			1	1			2	17

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

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