

Fatal and non-fatal accidents in wood furniture in Japan in 1999-2021

wood furniture industry Code No.010501

Type of accidents in wood furniture 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	35	27	28	24	50	24	28	28	21	10	14	16	7	9	11	17	11	17	11	16	5	9	13	431	fall from height
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	601	falling to same level
crash	7	8	8	6	8	15	4	12	4	7	3	10	3	3	6	6	3	2	3	4	5	5	4	136	crash
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	567	struck by flying or falling object
collapse	9	11	15	3	15	8	12	11	7	4	8	11	8	6	8	6	7	3	6	6	5	3	3	175	collapse
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	262	crashed by
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	1,444	caught in/between
cut	311	338	288	294	270	244	213	232	197	185	161	160	167	120	125	160	120	107	89	101	94	87	97	4,160	cut
injury to the sole of the foot		1				2		1								1				1				6	injury to the sole of the foot
drown													2											2	drown
contact to high/low-temperature	4	8	5	6	5	4	2	1	1	3	3		1	2	4		2	4	2	6	1		1	65	contact to high/low-temperature

engine						1																	1	engine	
power transmission mechanism			2		1		2			1	1	3	1			1	2	1			2			17	power transmission mechanism
circular sawing machine			168		187		159	165	147	128	118	116	107	93	96	109	91	85	60	71	77	63	74	2,114	circular sawing machine
band sawing machine			11		6		7	6	3	5	5	1	2	1	6	3	2		3	1	2	4	4	72	band sawing machine
wood planer machine			41		38		21	21	17	25	24	25	23	13	16	16	10	4	11	19	12	9	12	357	wood planer machine
hollow chisel mortiser, wood borer			13		7		5	4	9	4	5	2	8	4	5	4	5	4	2	3	2	3		89	hollow chisel mortiser, wood borer
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	231	chamfering machine, router, woodworking milling machine
chain saw			1		1																			2	chain saw
other woodworking machines			77		61		51	64	60	39	31	32	51	32	21	34	23	29	25	26	28	29	21	734	other woodworking machines
leveling, transporting or loading machine																						1		1	leveling, transporting or loading machine
excavating machine																									excavating machine
foundation work machine																									foundation work machine

machine																						1				1	machine	
food manufacturing machine																												food manufacturing machine
printing machine																												printing machine
industrial robot											1												1			2	industrial robot	
other general power machines			20		14		12	14	11	10	13	6	17	11	5	12	11	3	6	7	13	6	5		196	other general power machines		
felling machine																											felling machine	
mobile logging machine																											mobile logging machine	
skyline yarding machine																											skyline yarding machine	
other mobile silviculture machine																											other mobile silviculture machine	
crane										1																1	crane	
mobile crane											1															1	mobile crane	
derrick crane																											derrick crane	
elevator, lift			3		3		1	3		3		2		1			1	1								18	elevator, lift	
cargo lifting appliance																											cargo lifting appliance	
gondola											1															1	gondola	
lumberyard equipment, logging cableway																											lumberyard equipment, logging cableway	

facilities			2		4		4	5	5	7	2	4	1	7	5	4	2	1	2	3	1	1	1	61	facilities
scaffolding			1		1		1		2						1									6	scaffolding
timbering																									timbering
stairs, landing stage			9		10		6	5	3	2	3	5	1	1	3	3		3	6	3	2	4	2	71	stairs, landing stage
opening					2																			2	opening
roof, beam, haze, crossbeam, principal rafter			2		3		1	1	2				2		1		1		1			1		15	roof, beam, haze, crossbeam, principal rafter
working platform, boot board			3		6		7	5	2	3	2	5	1	5	1	6	3	6	1	4	5	2	4	71	working platform, boot board
passage			13		13		17	7	10	8	4	8	6	8	12	8	7	8	5	8	11	7	8	168	passage
building, establishment			1		4		5		4	2	5	2	4	1	4	1	1		3	3	1	1	2	44	building, establishment
other temporary buildings, establishments			1		7		1	2	1				1	2	2	1	1	1	2		1		1	24	other temporary buildings, establishments
explosive substance																									explosive substance
inflammable substance									1															1	inflammable substance
inflammable gas																									inflammable gas
harmful substance			1		1					1												1		4	harmful substance
radiation																									radiation
other hazards, harmful substances			2		2		4								1									9	other hazards, harmful substances

metal material			3		1		2	3		2	2		2		1	4		3				2	1	26	metal material
lumber, bamboo			55		44		23	27	28	18	18	18	14	15	23	14	21	16	17	15	21	14	11	412	lumber, bamboo
stone, sand, substance			1		1																			2	stone, sand, substance
other materials			5		3		2	2	1	2	2	2		5	4	4		1	1	4		2	2	42	other materials
load			18		15		15	13	11	7	4	6	7	12	5	6	10	7	2	5		4	4	151	load
machine/equipment as load			4						1	2		1				1					1	1		11	machine/equipment as load
natural ground, rock									1									1						2	natural ground, rock
standing tree								1				1										1		3	standing tree
water													3									1		4	water
abnormal environment																									abnormal environment
high/cold temperature environment					1					2					1			2	1	3	2			12	high/cold temperature environment
other environments			3		3		1	2	1	1		1	1	1	4	3	1	1	1	1	2	1		28	other environments
other causal agent			3				1	3			1	1	2	2	4	1	1	2	1	1	1	2	1	27	other causal agent
no causal agent			7		5		6	4	8	5	2	4	6	3	4	6	5	6	6	4	5	5	7	98	no causal agent
unclassifiable			4		1		2	1	1							1								10	unclassifiable
total			586		549		432	444	405	331	301	286	303	250	273	288	232	235	185	236	213	194	206	5,949	total

Workers age of fatal and non-fatal accidents in wood furniture 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	21	20	4	11	9	14	8	8	2	4	4	6	6	13	9	5	5	2	2	5	8	5	191	19 years old or less
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	1,387	20-29
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	1,315	30-39
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	1,384	40-49
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	2,130	50-59
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	1,934	60 years old or more
total	703	679	586	555	549	455	432	444	405	331	301	286	303	250	273	288	232	235	185	236	213	194	206	8,341	total

Workers' number of workplace of fatal and non-fatal accidents in wood furniture 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	274	260	244	216	240	182	190	187	167	134	127	139	126	96	103	113	98	95	71	75	58	64	64	3,323	9 workers or less
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	2,815	10-29
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	966	30-49
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	727	50-99
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	470	100-299
300 workers or more	1	1	3	6	5	1	1	2	3			3	1	2	1	3		2		3	1	1		40	300 workers or more
total	703	679	586	555	549	455	432	444	405	331	301	286	303	250	273	288	232	235	185	236	213	194	206	8,341	total

Month of fatal and non-fatal accidents in wood furniture 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	66	58	50	43	48	40	28	39	25	26	36	20	24	17	27	38	23	12	19	24	16	19	20	718	January
February	56	71	45	57	39	39	44	33	42	32	30	30	22	27	22	26	16	28	19	23	25	13	10	749	February
March	60	63	55	49	52	43	44	40	36	27	26	31	27	20	24	30	21	18	19	28	22	22	23	780	March
April	56	55	44	47	46	33	34	32	38	30	18	24	22	21	16	21	14	23	13	18	16	14	22	657	April
May	53	49	48	56	59	34	38	31	37	27	26	20	15	19	21	34	18	14	14	16	20	11	15	675	May
June	72	50	55	51	44	33	35	42	39	35	25	9	26	14	18	18	20	30	14	14	10	23	25	702	June
July	68	55	52	49	46	50	28	33	24	32	27	33	26	26	27	26	23	19	10	20	22	16	20	732	July
August	44	49	42	31	45	45	39	43	40	21	19	18	34	18	22	23	17	22	12	9	21	16	12	642	August
September	63	72	49	53	39	38	39	36	36	26	21	24	32	23	26	23	20	14	14	19	18	15	20	720	September
October	66	65	40	39	54	27	33	42	38	24	29	22	27	24	22	17	21	16	16	19	12	17	14	684	October
November	53	49	53	47	46	36	39	40	27	26	21	27	24	19	27	15	20	19	19	27	15	13	14	676	November
December	46	43	53	33	31	37	31	33	23	25	23	28	24	22	21	17	19	20	16	19	16	15	11	606	December
total	703	679	586	555	549	455	432	444	405	331	301	286	303	250	273	288	232	235	185	236	213	194	206	8,341	total

Prefecture of fatal and non-fatal accidents in wood furniture 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	46	45	44		27		24	18	26	15	13	18	21	12	12	11	13	19	14	15	17	6	15	431	Hokkaido
Aomori	2	6	5		3		2	3	2	1		3	2	1	4	5	2		2	4		1	3	51	Aomori
Iwate	3	6	4		10		2	2	3	4	4	2	6	4	2	2	2	4		3	4	2	3	72	Iwate

Miyagi	4	5	4		8		6	4	2	2	1	1	2		2			1			2			44	Miyagi
Akita	9	16	3		5		1	9	5	7	4	6	4	2	2	7	6	4	3	1	5	5	8	112	Akita
Yamagata	13	9	21		14		6	14	11	6	3	4	7	7	8	7	11	7	2	5	8	8	4	175	Yamagata
Fukushima	1	12	7		7		7	9	11	8	2	6	9	7	7	4	6	5	5	2	8	2	2	127	Fukushima
Ibaraki	7	9	4		6			6	7	4	3		1	1	1	6	1	2	1	1	2	3	2	67	Ibaraki
Tochigi	14	8	9		9		7	3	3	3	4	5	7	4	2	4	4	5	3	9	3	4	1	111	Tochigi
Gunma	32	21	25		20		23	23	16	12	12	15	8	13	16	10	9	9	7	11	6	13	4	305	Gunma
Saitama	20	19	15		15		20	16	29	22	19	8	11	9	9	13	10	4	11	10	3	6	4	273	Saitama
Chiba	5	3	5		3		1	3	2		1	3	1	2	4	4		3	1	2	1	1	1	46	Chiba
Tokyo	19	14	18		23		13	5	11	11	10	9	6	8	5	4	10	6	9	7	3	1	4	196	Tokyo
Kanagawa	7	4	6		7		5	9	4	3	4	4	4	3	2	9		1	3	5	1	2	4	87	Kanagawa
Niigata	11	23	15		15		10	7	6	3	10	10	6	6	7	5	5	11	10	7	5	9	5	186	Niigata
Toyama	3	5	3		7		3	1	4		4	3	2	4	1	3		2	1	1	3	2	2	54	Toyama
Ishikawa	9	2	8				5	3	5	4	2	3	7		2	3		1	2		1	6		63	Ishikawa
Fukui	11	11	16		8		8	9	2	7	7	2	2	4	7	2	2	5	4	11	5	7	7	137	Fukui
Yamanashi	5	5	4		5			1	2	1	1	1	3	3	3	2	1	1		4	4	1	1	48	Yamanashi
Nagano	12	6	7		10		4	5	5	1	3	5	2	3	4	6	4	2	1	3	2	1	1	87	Nagano
Gifu	35	32	16		17		14	25	28	22	25	17	19	9	14	20	19	9	11	19	14	8	14	387	Gifu
Shizuoka	55	49	42		30		37	31	25	21	22	19	21	16	13	25	18	12	8	12	10	11	12	489	Shizuoka
Aichi	26	35	28		22		24	20	21	17	9	24	13	9	9	12	7	11	7	7	6	10	8	325	Aichi
Mie	5	5	3		4		6	1	2	2	1	2	3	1	3		1	1	3	2	1			46	Mie
Shiga	1	3	3					1		2	3			1							1			15	Shiga
Kyoto	5	12	8		3		6	5	4	3	3	1	3	2	2	3	4	3	2	1		3	1	74	Kyoto

Osaka	26	23	25		28		23	32	20	23	13	24	23	12	22	19	18	21	7	9	10	5	14	397	Osaka
Hyogo	23	14	12		17		13	17	17	8	12	8	8	5	5	7	3	4	5	2	3	4	6	193	Hyogo
Nara	8	7	4		1		6	3	2	6	5	2	1	2	2	1	4	5	4	2	1	1	2	69	Nara
Wakayama	12	18	10		14		8	10	8	11	7	6	4	8	7	8	6	1	1	2	2	2	2	147	Wakayama
Tottori	4	3	1		5		2	4	2	1	3	1			2	2	1	1			4	2	1	39	Tottori
Shimane	4	9	1		3		1	1	3		2	1	2		3		3	2	2	4	1			42	Shimane
Okayama	8	4	1		10		5	6	7	1	4	1	2	5	1	4	2	4	7	3	2	3	8	88	Okayama
Hiroshima	36	35	34		27		19	26	13	11	15	11	15	16	9	17	9	11	8	14	15	9	7	357	Hiroshima
Yamaguchi	6	5	2		3		3	3	1	2	2	1	3	1	1	1	2				3	1	1	41	Yamaguchi
Tokushima	28	28	20		12		24	14	13	10	7	5	14	11	10	10	10	5	4	6	4	6	4	245	Tokushima
Kagawa	17	17	11		11		5	5	11	8	7	1	4	9	7	6	6	5	4	5	4	1	5	149	Kagawa
Ehime	9	5	8		5		3	6	5	5	2	5	2	3	1	3	1	2	1	1	3	2	2	74	Ehime
Kochi	10	14	13		12		4	2	1	2	4	6	2	1	6	1	1	3	2	1	1		3	89	Kochi
Fukuoka	97	90	82		75		47	49	38	30	34	25	32	25	32	27	17	21	23	22	21	26	28	841	Fukuoka
Saga	11	12	11		13		6	9	8	11	5	7	9	7	8	3	6	6	6	7	5	6	9	165	Saga
Nagasaki	9	5	7		8		2	2	2	1	2	1	1		1					2	1	1		45	Nagasaki
Kumamoto	6	5	4		5		6	1	3	2	2	1		2	2			1			2		2	44	Kumamoto
Oita	11	6	10		12		9	13	9	11	3	3	5	4	7	6	2	6	1	10	8	3	4	143	Oita
Miyazaki	11	9	4		5		5	6	2	3	1	4	2	7	3	4	4	6		1	6	6	1	90	Miyazaki
Kagoshima	6	5	1		4		5	1	4	3		1	2	1	3	2	2	3		2	2	4	1	52	Kagoshima
Okinawa	1		2		1		2	1		1	1	1	2							1				13	Okinawa
total	703	679	586		549		432	444	405	331	301	286	303	250	273	288	232	235	185	236	213	194	206	7,331	total

injury to the sole of the foot																										injury to the sole of the foot	
drown												2														2	drown
contact to high/low-temperature																											contact to high/low-temperature
contact to harmful substance																											contact to harmful substance
electric shock																											electric shock
explosion																											explosion
burst																											burst
fire																											fire
traffic accident (public road)				1																1						2	traffic accident (public road)
traffic accident (others)																											traffic accident (others)
reaction to motion/improper motion																											reaction to motion/improper motion
others													1													1	others
unclassifiable																											unclassifiable
total	1	2		1	1	1			1	1		4				1				1	1				15	total	

centrifugal machine																							centrifugal machine
mixer, grinder																							mixer, grinder
roll machine (except printingroll machine)																							roll machine (except printingroll machine)
injection molding machine																							injection molding machine
food manufacturing machine																							food manufacturing machine
printing machine																							printing machine
industrial robot																				1		1	industrial robot
other general power machines																							other general power machines
felling machine																							felling machine
mobile logging machine																							mobile logging machine
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

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

no causal agent																								no causal agent	
unclassifiable																								unclassifiable	
total	1	2		1	1	1			1	1			4				1			1	1			15	total

Workers age of fatal accidents in wood furniture 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				3	20-29
30-39																				1					1	30-39
40-49	1									1			1				1								4	40-49
50-59						1			1				2												4	50-59
60 years old or more		2											1												3	60 years old or more
total	1	2		1	1	1			1	1			4				1			1	1			15	total	

Workers' number of workplace of fatal accidents in wood furniture 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									3												5	9 workers or less
10-29	1																								1	10-29
30-49		1			1	1				1			1				1								6	30-49
50-99									1																1	50-99

100-299																					1	1			2	100-299	
300 workers or more																											300 workers or more
total	1	2		1	1	1			1	1			4				1			1	1			15	total		

Month of fatal accidents in wood furniture 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																										January	
February																											February
March	1	1											3												5	March	
April		1								1															2	April	
May					1				1				1												3	May	
June																											June
July																											July
August																											August
September																					1				1	September	
October				1		1															1				3	October	
November																	1								1	November	
December																											December
total	1	2		1	1	1			1	1			4				1			1	1			15	total		

Prefecture of fatal accidents in wood furniture in 1999-2021

Miyazaki																									Miyazaki
Kagoshima																									Kagoshima
Okinawa																									Okinawa
total	1	2		1	1	1			1	1			4				1			1	1			15	total

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

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