

Industrial accidents in wood furniture in Japan in 1999-2020

wood furniture industry Code No.010501

Type of accidents in wood furniture in 1999-2020

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
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
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
crash	7	8	8	6	8	15	4	12	4	7	3	10	3	3	6	6	3	2	3	4	5	5
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
collapse	9	11	15	3	15	8	12	11	7	4	8	11	8	6	8	6	7	3	6	6	5	3
crashed by	35	19	24	16	19	10	8	13	7	4	10	5	10	7	11	8	8	9	6	5	14	7
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
cut	311	338	288	294	270	244	213	232	197	185	161	160	167	120	125	160	120	107	89	101	94	87
injury to the sole of the foot	0	1	0	-	0	2	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0
drown	0	0	0	-	0	-	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
contact to high/low-temperature	4	8	5	6	5	4	2	1	1	3	3	0	1	2	4	0	2	4	2	6	1	0
contact to harmful substance	0	1	1	-	1	-	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1
electric shock	0	0	0	-	0	-	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1
explosion	1	0	2	-	0	-	0	2	1	0	0	0	0	0	1	0	0	0	0	0	0	0
burst	1	0	0	-	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
fire	0	2	0	1	0	-	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
traffic accident (public road)	9	3	2	3	2	-	1	3	2	3	0	0	2	0	4	0	0	2	3	2	0	2
traffic accident (others)	2	0	0	-	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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
others	2	1	3	-	5	-	1	1	1	1	0	0	1	0	0	0	0	1	0	0	2	1

unclassifiable	1	0	1	-	1	1	2	0	0	0	0	0	0	0	0	0	0	1	0	0	0	
total	703	679	586	555	549	455	432	444	405	331	301	286	303	250	273	288	232	235	185	236	213	194

Causal agents (middle) of industrial accidents in wood furniture in 1999-2020

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
engine	0	0	0	-	0	-	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
power transmission mechanism	4	2	2	4	1	2	2	0	0	1	1	3	1	0	0	1	2	1	0	2	0	0
woodworking machine	420	446	348	359	326	287	253	273	255	219	191	186	201	153	152	177	139	129	106	132	124	112
construction machine	0	0	0	-	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
metal manufacturing machine	9	5	3	4	7	5	5	8	7	3	3	1	2	3	5	5	2	1	0	3	1	1
general machine	35	25	28	22	16	17	17	19	18	13	15	7	23	12	10	16	13	5	8	10	17	9
mobile silviculture machine																	0	0	0	0	0	0
crane	1	4	4	2	5	1	1	3	1	5	0	2	1	1	0	0	1	1	1	0	1	0
conveying machine	31	21	12	19	17	11	11	12	13	8	17	8	8	6	11	7	10	11	7	7	8	4
vehicle	8	3	2	1	1	1	2	5	3	2	0	0	2	0	4	1	0	3	1	2	0	3
pressure vessel	0	0	0	1	1	-	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
chemical facilities	0	0	0	-	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
welding equipment	0	0	0	-	0	-	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
kiln, caldron	2	4	1	1	1	3	1	2	0	0	2	0	0	0	0	0	1	2	0	4	0	0
electric equipment	0	3	0	-	0	-	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0
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
tools	16	11	22	19	26	11	15	19	14	7	11	13	2	5	6	6	7	13	6	8	5	5
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
temporary buildings,	41	36	30	38	46	33	38	20	24	15	14	20	13	19	22	21	12	19	17	19	20	15







equipment																					
arc welding equipment			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other welding equipment			0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
kiln, caldron			1	1	1	2	0	0	2	0	0	0	0	0	0	0	0	3	0	0	0
industrial dryer			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other kiln, caldron			0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	1	0	0	0
transmission			0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
electric power facilities			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other electrical equipment			0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
human power cranes			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
human power hauling equipment			6	7	7	4	0	2	8	3	4	0	4	3	0	5	2	8	0	3	
human power machine			0	3	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0
hand tool			20	11	19	17	9	9	8	5	10	5	6	7	4	5	6	5	4	5	
ladder			15	19	11	11	7	5	5	6	1	3	3	4	5	11	3	7	1	2	
slinging tool			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other tools			7	7	4	8	7	2	6	7	1	2	3	2	2	2	3	1	4	3	
other equipment, facilities			2	4	4	5	5	7	2	4	1	7	5	4	2	1	2	3	1	1	
scaffolding			1	1	1	0	2	0	0	0	0	0	0	1	0	0	0	0	0	0	0
timbering			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
stairs, landing stage			9	10	6	5	3	2	3	5	1	1	3	3	0	3	6	3	2	4	
opening			0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
roof, beam, haze, crossbeam, principal rafter			2	3	1	1	2	0	0	0	0	2	0	1	0	1	0	1	0	1	
working platform, boot board			3	6	7	5	2	3	2	5	1	5	1	6	3	6	1	4	5	2	
passage			13	13	17	7	10	8	4	8	6	8	12	8	7	8	5	8	11	7	
building, establishment			1	4	5	0	4	2	5	2	4	1	4	1	1	0	3	3	1	1	



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
20-29	129	99	82	94	98	82	76	84	74	63	60	45	51	31	42	43	48	35	24	29	36	34
30-39	89	94	82	85	80	55	68	85	59	61	53	58	55	47	53	53	42	37	33	40	38	23
40-49	137	119	86	85	88	84	58	78	58	49	46	47	46	41	51	48	31	47	30	40	38	35
50-59	218	216	191	168	157	129	114	91	106	75	75	63	65	52	46	62	44	45	33	56	40	38
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
total	703	679	586	555	549	455	432	444	405	331	301	286	303	250	273	288	232	235	185	236	213	194

Workers' number of workplace of industrial accidents in wood furniture in 1999-2020

Workers scale	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
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
10-29	234	226	186	175	180	158	152	144	130	118	105	89	103	74	97	97	79	75	67	89	81	74
30-49	91	103	58	68	53	49	43	43	56	34	35	25	33	33	33	25	27	26	22	25	32	26
50-99	58	53	67	68	50	40	23	38	31	28	22	13	21	28	22	32	15	22	16	21	23	20
100-299	45	36	28	22	21	25	23	30	18	17	12	17	19	17	17	18	13	15	9	23	18	9
300 workers or more	1	1	3	6	5	1	1	2	3	0	0	3	1	2	1	3	0	2	0	3	1	1
total	703	679	586	555	549	455	432	444	405	331	301	286	303	250	273	288	232	235	185	236	213	194

Month of industrial accidents in wood furniture in 1999-2020

Month	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
January	66	58	50	43	48	40	28	39	25	26	36	20	24	17	27	38	23	12	19	24	16	19
February	56	71	45	57	39	39	44	33	42	32	30	30	22	27	22	26	16	28	19	23	25	13
March	60	63	55	49	52	43	44	40	36	27	26	31	27	20	24	30	21	18	19	28	22	22
April	56	55	44	47	46	33	34	32	38	30	18	24	22	21	16	21	14	23	13	18	16	14
May	53	49	48	56	59	34	38	31	37	27	26	20	15	19	21	34	18	14	14	16	20	11
June	72	50	55	51	44	33	35	42	39	35	25	9	26	14	18	18	20	30	14	14	10	23
July	68	55	52	49	46	50	28	33	24	32	27	33	26	26	27	26	23	19	10	20	22	16
August	44	49	42	31	45	45	39	43	40	21	19	18	34	18	22	23	17	22	12	9	21	16
September	63	72	49	53	39	38	39	36	36	26	21	24	32	23	26	23	20	14	14	19	18	15
October	66	65	40	39	54	27	33	42	38	24	29	22	27	24	22	17	21	16	16	19	12	17
November	53	49	53	47	46	36	39	40	27	26	21	27	24	19	27	15	20	19	19	27	15	13
December	46	43	53	33	31	37	31	33	23	25	23	28	24	22	21	17	19	20	16	19	16	15



total	703	679	586	555	549	455	432	444	405	331	301	286	303	250	273	288	232	235	185	236	213	194
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Prefecture of industrial accidents in wood furniture in 1999-2020

Prefecture	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Hokkaido	46	45	44		27		24	18	26	15	13	18	21	12	12	11	13	19	14	15	17	6
Aomori	2	6	5		3		2	3	2	1	0	3	2	1	4	5	2	0	2	4	0	1
Iwate	3	6	4		10		2	2	3	4	4	2	6	4	2	2	2	4	0	3	4	2
Miyagi	4	5	4		8		6	4	2	2	1	1	2	0	2	0	0	1	0	0	2	0
Akita	9	16	3		5		1	9	5	7	4	6	4	2	2	7	6	4	3	1	5	5
Yamagata	13	9	21		14		6	14	11	6	3	4	7	7	8	7	11	7	2	5	8	8
Fukushima	1	12	7		7		7	9	11	8	2	6	9	7	7	4	6	5	5	2	8	2
Ibaraki	7	9	4		6		0	6	7	4	3	0	1	1	1	6	1	2	1	1	2	3
Tochigi	14	8	9		9		7	3	3	3	4	5	7	4	2	4	4	5	3	9	3	4
Gunma	32	21	25		20		23	23	16	12	12	15	8	13	16	10	9	9	7	11	6	13
Saitama	20	19	15		15		20	16	29	22	19	8	11	9	9	13	10	4	11	10	3	6
Chiba	5	3	5		3		1	3	2	0	1	3	1	2	4	4	0	3	1	2	1	1
Tokyo	19	14	18		23		13	5	11	11	10	9	6	8	5	4	10	6	9	7	3	1
Kanagawa	7	4	6		7		5	9	4	3	4	4	4	3	2	9	0	1	3	5	1	2
Niigata	11	23	15		15		10	7	6	3	10	10	6	6	7	5	5	11	10	7	5	9
Toyama	3	5	3		7		3	1	4	0	4	3	2	4	1	3	0	2	1	1	3	2
Ishikawa	9	2	8		0		5	3	5	4	2	3	7	0	2	3	0	1	2	0	1	6
Fukui	11	11	16		8		8	9	2	7	7	2	2	4	7	2	2	5	4	11	5	7
Yamanashi	5	5	4		5		0	1	2	1	1	1	3	3	3	2	1	1	0	4	4	1
Nagano	12	6	7		10		4	5	5	1	3	5	2	3	4	6	4	2	1	3	2	1
Gifu	35	32	16		17		14	25	28	22	25	17	19	9	14	20	19	9	11	19	14	8
Shizuoka	55	49	42		30		37	31	25	21	22	19	21	16	13	25	18	12	8	12	10	11
Aichi	26	35	28		22		24	20	21	17	9	24	13	9	9	12	7	11	7	7	6	10
Mie	5	5	3		4		6	1	2	2	1	2	3	1	3	0	1	1	3	2	1	0
Shiga	1	3	3		0		0	1	0	2	3	0	0	1	0	0	0	0	0	0	1	0
Kyoto	5	12	8		3		6	5	4	3	3	1	3	2	2	3	4	3	2	1	0	3
Osaka	26	23	25		28		23	32	20	23	13	24	23	12	22	19	18	21	7	9	10	5
Hyogo	23	14	12		17		13	17	17	8	12	8	8	5	5	7	3	4	5	2	3	4
Nara	8	7	4		1		6	3	2	6	5	2	1	2	2	1	4	5	4	2	1	1
Wakayama	12	18	10		14		8	10	8	11	7	6	4	8	7	8	6	1	1	2	2	2
Tottori	4	3	1		5		2	4	2	1	3	1	0	0	2	2	1	1	0	0	4	2





construction machine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
metal manufacturing machine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
general machine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
mobile silviculture machine																0	0	0	0	0	0	
crane	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
conveying machine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0
vehicle	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
pressure vessel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
chemical facilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
welding equipment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
kiln, caldron	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
electric equipment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
human power machine, tools	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
tools	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other equipments, facilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
temporary buildings, establishments	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
hazards, harmful substances	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
materials	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
load	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
natural environment	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0
other causal agent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
no causal agent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
unclassifiable	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
total	1	2	0	1	1	1	0	0	1	1	0	0	4	0	0	0	1	0	0	1	1	0

















Oita	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Miyazaki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kagoshima	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Okinawa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
total	1	2	0	1	1	1	0	0	1	1	0	0	4	0	0	0	1	0	0	1	1	0

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

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