

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

furniture industry Code No.0105

Type of accidents in 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	72	65	64	56	81	55	56	58	63	35	31	37	16	18	26	32	28	28	22	34	26	26	24	40	993
falling to same level	84	82	81	70	77	53	65	55	53	49	38	28	31	37	54	34	36	42	35	40	44	37	37	38	1,200
crash	18	21	21	20	19	27	17	18	10	16	9	16	12	11	15	15	6	5	5	10	9	11	6	8	325
struck by flying or falling object	113	94	81	71	63	53	64	51	58	45	37	30	27	24	24	29	30	26	16	30	21	21	18	28	1,054
collapse	22	29	36	11	27	25	23	20	20	12	15	20	12	17	16	10	13	5	8	10	6	10	7	4	378
crashed by	52	34	39	42	36	20	22	23	21	12	14	11	18	14	21	14	15	17	10	10	19	15	10	10	499
caught in/between	240	232	165	180	169	136	147	133	140	131	94	78	105	88	93	84	78	73	64	70	81	84	66	53	2,784
cut	641	654	564	570	529	490	412	399	359	348	284	313	303	247	228	265	209	203	175	185	170	161	163	115	7,987
injury to the sole of the foot	2	1	1	1	1	2	2	4	1						1	1			1	2					20
drown													3												3
contact to high/low-	6	12	8	10	9	5	7	3	2	3	5	4	5	4	8	1	3	5	5	12	1	2	2	1	123

machine						1	1					1									1			4	
metal manufacturing machine	36	24	14	23	22	23	28	23	20	15	10	9	20	17	14	19	14	11	8	8	10	10	10	8	396
general machine	70	55	52	56	49	33	32	36	36	41	36	23	35	24	22	32	22	13	22	23	33	24	11	23	803
mobile silviculture machine																									
crane	1	6	6	2	8	5	5	5	3	8	1	3	2	1	3		2	2	2	2	1	3	2	3	76
conveying machine	51	41	36	30	34	31	22	24	35	24	26	23	15	12	27	21	21	18	14	16	17	16	18	15	587
vehicle	15	9	5	7	4	4	7	9	11	7	1		3	2	6	1		9	2	4	2	4	2	1	115
pressure vessel				1	1		1	2	1						1					1				1	9
chemical facilities																						1			1
welding equipment		1	1	2				2	2		1	1					2	3	2				1		18
kiln, caldron	2	7	1	3	1	3	1	2	2		2	2					1	2	2	5			2		38
electric equipment		3		1		1		2						1			1						2		11
human power machine, tools	50	61	59	49	43	53	48	40	36	26	29	22	27	24	31	23	18	19	18	23	11	23	17	24	774
tools	46	35	45	44	46	34	34	39	39	28	19	21	6	10	15	16	15	20	12	20	22	17	14	20	617
other equipments, facilities	9	8	6	8	10	9	9	6	10	14	4	5	4	10	9	5	8	2	6	5	3	4	3	9	166

work											1													1	
other construction machines																									
lathe			2			1	1						1		1		1					1	2	10	
drill press, milling machine			3		4		2	4	6	2	2	4	4	2	5	8	1	2	1	2		1	1	2	56
grinding machine, buffing machine					1		7	2	4	2	1		3	1		3	2			1	1	2	2		32
power press			2		9		9	13	4	7	1	2	5	6	4	3	4	3	6	2	4	6	3	4	97
forging pressure hammer																									
shearing machine			1		1			1	1		2			1	1										8
other metal manufacturing machines			6		7		9	2	5	4	4	3	8	6	4	4	7	5	1	3	5	1	3		87
centrifugal machine																					1				1
mixer, grinder								2			1										1	1			5
roll machine (except printingroll machine)			13		10		7	8	8	11	5	5	11	3	7	8	3	3	2	4	4	4	2	3	121
injection molding machine																					1				1

ladder			32		31		18	24	29	18	10	10	3	6	8	9	9	13	5	11	10	12	7	14	279
slinging tool			1		1										1	1								1	5
other tools			12		14		16	15	10	10	9	11	3	4	6	6	6	7	7	9	12	5	7	5	174
other equipment, facilities			6		10		9	6	10	14	4	5	4	10	9	5	8	2	6	5	3	4	3	9	132
scaffolding			2		1		4	1	2		2					1	1			1	2		1	1	19
timbering																									
stairs, landing stage			16		21		12	12	6	9	5	7	3	2	6	6	6	5	9	5	6	9	4	5	154
opening					3		3			1	2	1						1	2					1	14
roof, beam, haze, crossbeam, principal rafter			7		3		4	3	2				2	2	2	1	3	3		2	1	2		1	38
working platform, boot board			8		13		12	10	12	9	7	9	3	7	3	11	5	11	4	6	8	2	5	6	151
passage			32		25		23	20	21	17	14	15	14	21	28	10	17	15	14	17	25	15	15	21	379
building, establishment			5		7		13	4	6	5	6	5	5	3	6	3	2		7	7	1	3	2	5	95
other temporary buildings, establishments			3		13		4	2	2	1	2	3	3	3	2	2	2	4	6	1	2	1	3	3	62
explosive substance																									
inflammable			2				1	1	2		1		1	2	1	1					1				13

substance																									
inflammable gas				1																					1
harmful substance			1	1			1	1	2	1			2					1			1				11
radiation																									
other hazards, harmful substances			3	4		5		1		1	1		1	1	1		1								19
metal material			18	11		12	11	14	9	3	3	7	5	5	11	6	5	1	6	8	13	4	6	158	
lumber, bamboo			92	69		56	44	54	31	27	37	28	22	32	24	30	27	23	24	25	23	17	17	702	
stone, sand, substance			4	1			2							1	1			1					1	11	
other materials			10	16		9	10	4	6	6	7	2	9	5	8	3	2	2	7	2	7	6	2	123	
load			31	35		24	21	23	19	9	13	10	22	11	15	18	12	3	10	10	11	9	12	318	
machine/equipment as load			6	4		2	1	2	4	2	1				1	1		2		1	1		1	29	
natural ground, rock								3	1							1								5	
standing tree							1			1	2				1						1			6	
water												4									1			5	
abnormal environment																									
high/cold temperature				1		2	1		2			2		3	1	1	2	1	7	3	1		1	28	

9 workers or less	585	583	527	501	505	430	420	355	343	325	266	285	258	211	225	218	180	202	158	148	130	150	130	117	7,252
10-29	430	411	338	326	339	289	270	250	244	228	174	166	168	139	157	164	137	128	120	150	135	135	128	101	5,127
30-49	148	147	108	109	101	85	83	79	94	50	54	48	59	54	51	45	54	38	47	45	56	61	39	36	1,691
50-99	102	84	93	97	87	66	53	66	59	58	31	34	40	49	45	50	41	41	32	35	40	32	26	33	1,294
100-299	62	55	47	44	36	38	34	51	41	35	23	29	32	32	40	39	35	28	22	51	39	34	37	34	918
300 workers or more	8	5	13	12	9	5	6	8	13	3	4	9	5	14	2	5	4	6	2	11	9	4	3	8	168
total	1,335	1,285	1,126	1,089	1,077	913	866	809	794	699	552	571	562	499	520	521	451	443	381	440	409	416	363	329	16,450

Month of fatal and non-fatal accidents in 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	111	105	96	86	82	67	66	67	63	53	55	37	45	37	46	60	44	34	29	45	38	41	32	23	1,362
February	109	132	82	103	82	62	84	57	70	71	58	63	34	47	41	46	34	51	41	46	37	27	33	17	1,427
March	119	129	101	111	93	99	78	72	69	70	61	61	55	38	43	58	43	37	42	38	40	44	37	33	1,571
April	103	94	87	87	90	69	69	58	72	61	36	47	39	39	41	36	31	40	34	32	30	29	33	39	1,296
May	94	101	97	101	100	72	78	62	62	51	37	42	40	48	41	59	33	32	24	29	33	21	29	24	1,310
June	133	95	107	99	87	72	70	73	74	71	55	33	56	42	36	38	39	43	30	33	29	41	42	32	1,430
July	120	108	91	95	95	105	60	68	65	60	42	56	40	48	49	46	41	33	22	42	45	31	33	25	1,420
August	101	110	104	73	93	76	73	82	70	42	38	46	58	36	50	47	36	30	33	31	30	41	21	19	1,340
September	122	126	94	100	84	82	77	65	59	54	44	43	51	48	42	39	34	38	22	27	35	38	29	32	1,385
October	124	112	88	80	117	68	74	66	75	54	46	47	57	43	38	35	41	35	30	40	34	38	26	33	1,401

Tokushima	63	50	41		34		38	27	17	25	14	16	21	23	19	17	20	12	14	19	7	14	9	9	509
Kagawa	32	26	15		19		10	13	17	14	12	8	6	11	10	10	6	5	4	6	5	2	7	3	241
Ehime	19	10	12		12		10	8	6	7	4	6	7	6	1	3	3	5	3	1	6	5	3	4	141
Kochi	14	20	18		22		7	4	6	10	6	9	4	3	9	6	3	7	8	3	3	2	4	1	169
Fukuoka	117	116	100		97		65	69	54	53	44	38	44	29	45	38	24	26	26	30	34	34	32	20	1,135
Saga	16	19	13		16		9	14	11	13	5	11	15	8	11	7	8	10	8	7	7	8	10	9	235
Nagasaki	12	7	12		13		5	4	7	5	4	3	6	2	2	1	4	2	2	6	4	5	2	1	109
Kumamoto	11	14	9		16		10	4	6	6	3	3	2	2	3	3	1	3	2		2	1	5	1	107
Oita	17	15	18		16		17	16	17	17	6	9	8	9	9	10	5	6	5	13	10	7	6	5	241
Miyazaki	15	15	5		8		11	10	6	6	2	6	2	10	4	6	5	11	1	1	9	9	1	2	145
Kagoshima	12	10	4		13		10	3	9	5	3	1	2	2	10	4	3	7	3	4	3	5	3	3	119
Okinawa	6	6	8		8		4	7	2	2	2	3	4	2	1	1	1	2		2	2		1	1	65
total	1,335	1,285	1,126	1,089	1,077	913	866	809	794	699	552	571	562	499	520	521	451	443	381	440	409	416	363	329	16,450

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 furniture in Japan in 1999-2022

establishments																									
substance, material			1		1		1	1	2															6	
load						1																		1	
environment													4											4	
others																				1				1	
total	1	2	4	1	2	2	1	2	7	2		1	6			1	1	2		1	3	1		6	46

Causal agents (middle) of fatal accidents in 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	2			1			2				1									1			10	
construction machine																										
metal manufacturing machine																										
general machine										1		1				1						1			4	
mobile silviculture machine																										
crane									1	1															2	
conveying machine			1														1				1		1		2	6

vehicle				1					1													1	5	
pressure vessel																								
chemical facilities																								
welding equipment																								
kiln, caldron																								
electric equipment																								
human power machine, tools																								
tools																								
other equipments, facilities																						1	1	
temporary buildings, establishments					1			1	1				1									2	6	
hazards, harmful substances			1						2														3	
materials					1		1	1															3	
load						1																	1	
natural environment													4										4	
other causal agent																								
no causal agent																				1			1	
unclassifiable																								
total	1	2	4	1	2	2	1	2	7	2		1	6			1	1	2		1	3	1	6	46

50-59			2		1	1		1	2				4				2			1	1		1	16	
60 years old or more		2	2				1		4				1			1				1			3	15	
total	1	2	4	1	2	2	1	2	7	2		1	6			1	1	2		1	3	1		6	46

Workers' number of workplace of fatal accidents in 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	1		1	1	1	2	1			3					2						1	15
10-29	1		1					1	2				2								2			3	12
30-49		1	1		1	1			2	1			1				1					1			10
50-99			1		1				1															1	4
100-299												1				1				1	1			1	5
300 workers or more																									
total	1	2	4	1	2	2	1	2	7	2		1	6			1	1	2		1	3	1		6	46

Month of fatal accidents in 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																					1				1
February																1									1
March	1	1							1				4												7
April		1	1						1	2								2						1	8

Wakayama									1													2	3	
Tottori																								
Shimane																								
Okayama																								
Hiroshima																								
Yamaguchi				1																			1	
Tokushima																								
Kagawa																								
Ehime																								
Kochi									1														1	
Fukuoka	1																						1	
Saga																			1				1	
Nagasaki																								
Kumamoto			1																				1	
Oita										1													1	
Miyazaki																								
Kagoshima										2													2	
Okinawa																								
total	1	2	4	1	2	2	1	2	7	2		1	6			1	1	2		1	3	1	6	46

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

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