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

metal furniture industry Code No.010502

Type of accidents in metal 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	2	6	3	7	4	4	1	6	5	2		2	1	2	3	3	2	2	3	3	4	1	1	67	fall from height
falling to same level	7	6	8	5	6	5	1	4	5	3	3		1	1	6	4	5	5	1	2	3	4	3	88	falling to same level
crash	4	3	2	2	1	2	2	1	3	5	2				1	2	1			3	1		1	36	crash
struck by flying or falling object	6	1	2	4	2	1	3	3	4	1	2	2	2		1	2	5	1	3	2	2	1	1	51	struck by flying or falling object
collapse	2	2	6		3	4		3	3	2	1	1	1		1	2	1				1	2		35	collapse
crashed by	3	2	1	1	1	3			2	2	1	1	1	1		1	1	1	1			2	1	26	crashed by
caught in/between	20	17	8	16	14	12	15	12	8	12	6	9	11	7	9	9	8	9	8	5	6	10	2	233	caught in/between
cut	9	4	4	6	4	5	2	3	6	1		1	4	4	2	1	3	3		3		3		68	cut
injury to the sole of the foot																			1					1	injury to the sole of the foot
drown																									drown
contact to high/low- temperature			1				1										1	1		1				5	contact to high/low- temperature

contact to harmful substance									1					3					1		1			6	contact to harmful substance
electric shock																									electric shock
explosion																									explosion
burst							1	1																2	burst
fire					1																			1	fire
traffic accident (public road)	4	1			1	1			2									1	2		2			14	traffic accident (public road)
traffic accident (others)																									traffic accident (others)
reaction to motion/improper motion	7	1	4			3	3	1	4	2			2	2	2	6	2	1	4	2	1	6	5	58	reaction to motion/improper motion
others		1				1												1			1	3		7	others
unclassifiable																				1				1	unclassifiable
total	64	44	39	41	37	41	29	34	43	30	15	16	23	20	25	30	29	25	24	22	22	32	14	699	total

Causal agents (large) of fatal and non-fatal accidents in metal furniture in 1999-2021

Causal (L) agents	1000	2000	2001	2002	2003	2004	2005	2006	2007	2008	2000	2010	2011	2012	2013	2014	2015	2016	2017	2018	2010	2020	2021		Causal (L)
Causai (L) agents	1999	2000	2001	2002	2003	2004	2003	2000	2007	2008	2009	2010	2011	2012	2013	2014	2013	2010	2017	2010	2019	2020	2021	1 1	agents
machine	23	14	7	14	14	14	12	8	8	11	5	8	12	8	10	11	6	9	7	4	5	10	1	221	machine
crane, conveying																									crane,

machine	6	8	5	3	8	8	6	2	7	2	1	3	1	1	4	2	2	2	5	4	2	2	5	89	conveying
macrime																									machine
									10	10														127	other
other equipment	9	9	11	9	2	5	4	8	10	10	4	I	5	3		3	9	8	6	3	4		2	127	equipment
																									temporary
temporary buildings, establishments	2	7	4	5	1	5	1	4	6	3	3	1	1	2	5	3	3	2		4	2	4	1	69	buildings,
establishments																									establishments
aubatan sa maatanial	16	4			7	,		6		,							_			_				110	substance,
substance, material	16	4	9	8			4	0	8	3		2	3	5	3	6	5	2	2	4	5	8	I	118	material
load	2		3	2	1			3	1	1	1	1				4	3			1	1	2	2	28	load
environment					1	1		1	1		1						1	1	1	1	2			11	environment
others	6	2			3	1	2	2	2				1	1	2	1		1	3	1	1	5	2	36	others
total	64	44	39	41	37	41	29	34	43	30	15	16	23	20	25	30	29	25	24	22	22	32	14	699	total

Causal agents (middle) of fatal and non-fatal accidents in metal furniture in 1999-2021

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	total	Causal (M) agents
engine																									engine
power transmission mechanism									1						2									3	power transmission mechanism
woodworking machine	3	2	2	2	1	2		2	4	1		1	1		1			1		1		2		26	woodworking machine

																								construction machine
5	9	5	9	11	11	12	6	3	8	3	6	11	5	4	9	6	6	6	2	4	5	1	157	metal manufacturing machine
	3		3	2	1				2	2	1		3	3	2		2	1	1	1	3		35	general machine
																								mobile silviculture machine
	1			1	2	4			2					1				1			1	1	14	crane
	5	5	2	6	6	1	2	5		1	3	1	1	3	2	2	1	4	4		1	3	60	conveying machine
	2		1	1		1		2									1			2		1	15	vehicle
						1													1				2	pressure vessel
																				1			1	chemical facilities
	1	1	2				1	1		1	1					2	3	1				1	15	welding equipment
																								kiln, caldron
																								electric equipment
	5	5	2		1		1	5	2			1	1		1	3	1	2	1			1	35	human power machine, tools
		3 1 5 2 1	3 1 5 5 1 1 1 1 1 1 1 1 1 1	3 3 3 3 3 3 1 1 1 2 1 1 2 1 1 2 1 1 2 1 1 1 2 1 1 1 2 1 1 1 1 1 2 1	3 3 2 1 1 1 5 5 2 6 2 1 1 1 1 2 1 1 2	3 3 2 1 1 1 2 5 5 2 6 6 2 1 1 1 1 2	3 3 2 1 1 1 2 4 5 5 2 6 6 1 2 1 1 1 1 1 2 1 1 1 1 2 1 1 1 1 1 2 1 <	3 3 2 1 1 1 2 4 5 5 2 6 6 1 2 2 1 1 1 1 1 1 2 1 1 1 1 1 2 1 1 1	3 3 2 1 1 1 2 4 1 4 1 2 5 5 5 2 6 6 1 2 5 5 1			3 3 2 1 2 2 1 1 1 2 4 2 2 5 5 2 6 6 1 2 5 1 3 2 1 1 1 2 2 1 </td <td></td> <td>5 9 5 9 11 11 12 6 3 8 3 6 11 5 4 9 6 6 6 2 4 5 1 157 3 3 2 1 1 2 2 1 3 3 2 1</td>												5 9 5 9 11 11 12 6 3 8 3 6 11 5 4 9 6 6 6 2 4 5 1 157 3 3 2 1 1 2 2 1 3 3 2 1

tools	6	2	4	5	2	3	3	5	3	6	1		2	1		2	2	3	3		3	1		57	tools
other equipments,		1	1			1		1	1	2	2		2	1	1		2	1		1				17	other equipments, facilities
temporary buildings, establishments	2	7	4	5	1	5	1	4	6	3	3	1	1	2	5	3	3	2		4	2	4	1	69	temporary buildings, establishments
hazards, harmful substances			1		1			1	1					3					1					8	hazards, harmful substances
materials	16	4	8	8	6	7	4	5	7	3		2	3	2	3	6	5	2	1	4	5	8	1	110	materials
load	2		3	2	1			3	1	1	1	1				4	3			1	1	2	2	28	load
natural environment					1	1		1	1		1						1	1	1	1	2			11	natural environment
other causal agent	2	1			3			1							1					1		3		12	other causal agent
no causal agent	4	1					2	1	2				1	1	1			1	3		1	2	2	22	no causal agent
unclassifiable						1										1								2	unclassifiable
total	64	44	39	41	37	41	29	34	43	30	15	16	23	20	25	30	29	25	24	22	22	32	14	699	total

Causal agents (small) of fatal and non-fatal accidents in metal furniture in 1999-2021

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	total	Causal (S) agents

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

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hardening machine																						hardening machine
demolition machine																						demolition machine
vehicle for high lift																						vehicle for high lift
work																						work
other construction																						other construction
machines																						machines
lathe																						lathe
drill press, milling		2	2	1	1		1		3	1	1	1	4		1						18	drill press, milling
machine					<u> </u>		'								<u> </u>							machine
grinding machine,			1	1						1	1		2						1		7	grinding machine,
buffing machine																			<u> </u>			buffing machine
power press		1	5	7	5	1	5	1	1	5	3	2	2	4	1	6	2	3	4		58	power press
forging pressure																						forging pressure
hammer																						hammer
shearing machine			1					1				1									3	shearing machine
other metal																						other metal
manufacturing		2	2	3		2	2	1	2	4			1	2	4			1		1	27	manufacturing
machines																						machines
centrifugal machine																						centrifugal machine
mixer, grinder								1													1	mixer, grinder
roll machine (except																						roll machine (except
printingroll							1					1			1						3	printingroll
machine)																						machine)
injection molding																						injection molding

machine																			machine
food manufacturing machine																			food manufacturing machine
printing machine																			printing machine
industrial robot													1					1	industrial robot
other general power machines			2			1	1	1	3	2	2	1		1	1	3		18	other general power machines
felling machine																			felling machine
mobile logging machine																			mobile logging machine
skyline yarding machine																			skyline yarding machine
other mobile																			other mobile
silviculture machine																			silviculture machine
crane			1	2		2							1			1		7	crane
mobile crane																			mobile crane
derrick crane																			derrick crane
elevator, lift				1						1							1	3	elevator, lift
cargo lifting																			cargo lifting
gondola																			gondola
lumberyard																			lumberyard
equipment, logging																			equipment, logging

cableway																					cableway
simple skyline yarding equipment																					simple skyline yarding equipment
other powered crane				1																1	other powered crane
truck		2	2		1						1				3	1				10	truck
forklift		2	1			1	1	2	1		1	1	1	1	1				3	16	forklift
railway equipment																					railway equipment
conveyor		1	2	1	1	3		1				1	1			2		1		14	conveyor
loader																					loader
straddle carrier																					straddle carrier
rough terrain hauler																					rough terrain hauler
other powered conveying machines			1			1				1	1					1				5	other powered conveying machines
cars, bus, motorcycle			1			2								1			2		1	7	cars, bus, motorcycle
railway vehicle				1																1	railway vehicle
other vehicles																					other vehicles
boiler																					boiler
pressure vessel																1				1	pressure vessel
other pressure vessels				1																1	other pressure vessels
chemical facilities																	1			1	chemical facilities

gas welding					1															1	gas welding
equipment																					equipment
arc welding									1				1							2	arc welding
equipment																					equipment
other welding						1							1							9	other welding
equipment		I						I						3	'						equipment
kiln, caldron																					kiln, caldron
industrial dryer																					industrial dryer
other kiln, caldron																					other kiln, caldron
transmission																					transmission
electric power																					electric power
facilities																					facilities
other electrical																					other electrical
equipment																					equipment
human power																					human power
cranes																					cranes
human power		2			1	2	_			1		1		1	1					16	human power
hauling equipment		3			1	2	2					1	2	1	'	1			1	16	hauling equipment
human power																					human power
machine		I				ı														2	machine
hand tool		1				2					1		1		1					6	hand tool
ladder			2		1	2	2				1				2		3	1		14	ladder
slinging tool		1																		1	slinging tool
other tools		3		3	4	1	4	1		2		2	2	3	1					26	other tools

other equipment,		1			1	1	2	2		2	1	1		2	1		1				15	other equipment,
scaffolding																						scaffolding
timbering																						timbering
stairs, landing stage					1								2	1			1				5	stairs, landing stage
opening																						opening
roof, beam, haze,																						roof, beam, haze,
crossbeam,					1					1											2	crossbeam,
principal rafter																						principal rafter
working platform, boot board			1		1	4	1	1				1			1		1				11	working platform, boot board
passage		3			1	2	2	2	1		1	4		2	1		2	2	3	1	27	passage
building, establishment		1		1							1		1						1		5	building, establishment
other temporary buildings, establishments																						other temporary buildings, establishments
explosive substance																						explosive substance
inflammable substance		1			1																2	inflammable substance
inflammable gas																						inflammable gas
harmful substance						1					2					1					4	harmful substance
radiation																						radiation
other hazards,																						other hazards,

harmful substances			1								1										2	harmful substances
metal material		8	4	3	3	6	3		1	3	2	2	5	4	1		4	5	7		61	metal material
lumber, bamboo			1	1	1	1			1					1	1	1					8	lumber, bamboo
stone, sand, substance												1									1	stone, sand, substance
other materials			1		1								1						1	1	5	other materials
load		2	1		2	1			1				4	3			1	1	2	2	20	load
machine/equipment as load		1			1		1	1													4	machine/equipment as load
natural ground,						1															1	natural ground,
standing tree								1													1	standing tree
water																						water
abnormal environment																						abnormal environment
high/cold temperature environment														1			1	1			3	high/cold temperature environment
other environments			1		1										1	1		1			5	other environments
other causal agent			3		1							1					1		3		9	other causal agent
no causal agent				2	1	2				1	1	1			1	3		1	2	2	17	no causal agent
unclassifiable													1								1	unclassifiable
total		39	37	29	34	43	30	15	16	23	20	25	30	29	25	24	22	22	32	14	509	total

Workers age of fatal and non-fatal accidents in metal 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	4	3	1	1		1	1	1	2				3	1	1	2	1	1	1		2	1		27	19 years old or less
20-29	9	7	9	6	4	6	8	5	7	9	6	3	2	2	2	7	3	5	8	5	3	6	3	125	20-29
30-39	8	8	8	9	9	6	8	12	15	4	2	1	4	9	5	6	7	3	5	3	2	7	4	145	30-39
40-49	12	6	3	7	8	8	6	5	7	5		6	5	5	7	5	6	6	6	3	3	8	4	131	40-49
50-59	24	15	17	13	11	14	5	6	4	7	6	4	3		6	7	7	3	3	7	4	6	1	173	50-59
60 years old or	7	5	1	5	5	6	1	5	8	5	1	2	6	3	4	3	5	7	1	4	8	4	2	98	60 years old or
more											•													ll l	more
total	64	44	39	41	37	41	29	34	43	30	15	16	23	20	25	30	29	25	24	22	22	32	14	699	total

Workers' number of workplace of fatal and non-fatal accidents in metal 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	5	7	4	6	9	8	4	3	6	1	3	2	2	2	3	1	3	2	2		1	3		77	9 workers or less
10-29	20	11	10	13	11	11	14	7	9	10	2	2	6	4	7	10	3	7	5	7		8	2	179	10-29
30-49	6	6	4	10	6	9	7	10	8	1	1	1	4	4	5	7	7	4	5	3	4	7		119	30-49
50-99	18	8	8	8	8	6	2	2	6	8	3	7	5	5	6	4	6	4	8	3	8	1	3	137	50-99
100-299	12	9	7	3	3	5	2	12	11	9	6	2	6	4	3	7	9	5	3	6	6	11	8	149	100-299
300 workers or more	3	3	6	1		2			3	1		2		1	1	1	1	3	1	3	3	2	1	38	300 workers or more
total	64	44	39	41	37	41	29	34	43	30	15	16	23	20	25	30	29	25	24	22	22	32	14	699	total

Month of fatal and non-fatal accidents in metal 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	3	1	1	3	3	2	4	4	7	3	2		3	2	3	3	2	2	2		4	3		57	January
February	9	5	3	3	5	3	4	1	3	5		2	2	1	4	4	6	4	5	2	1	1		73	February
March	8	6	6	5	2	3	2	4	6	2	3	3	3	3	4	1	1	1	2	1	3	6	3	78	March
April	5	3	4	3	4	3	3	1	3		1	1		1	2	4	4	3	1	1	1	3	1	52	April
May	3	3	4	5	3	2		2	1	2	1	1	1		1		2	4		2	3		2	42	May
June	4	2	3	2	4	5	2	2	2	8	2	1	4	1			1		2	4	3	4	2	58	June
July	4	4	2	5	3	6	1	1	2	1	1	1	1	2	3	3	2	2	3	3	1		1	52	July
August	9	5	3	1	1	3	1	4	3		1	2	1	1	2	2	2	1	1	4	2		2	51	August
September	3	9	4	4	3	4	4	3	4	4	2	1	3	4	1	2	3	3	2	1		5		69	September
October	7	3	3	6	2	4	2	2	3	3	1		2	2	1	4	1	3	1	1	2	1	1	55	October
November	4	1	5	2	2	2	4	5	4	1		2	1	2	1	1	3	1	2	1	2	1	2	49	November
December	5	2	1	2	5	4	2	5	5	1	1	2	2	1	3	6	2	1	3	2		8		63	December
total	64	44	39	41	37	41	29	34	43	30	15	16	23	20	25	30	29	25	24	22	22	32	14	699	total

Prefecture of fatal and non-fatal accidents in metal furniture in 1999-2021

Hokkaido 2 1	8	Hokkaido
Aomori 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2	Aomori

lwate				1		4								3							1	9	lwate
Miyagi					1		1				1							3				6	Miyagi
Akita																							Akita
Yamagata				1																		1	Yamagata
Fukushima	2	2																				4	Fukushima
Ibaraki			1			1	2	1	3			1	3	1	3	1		1	3	5	3	29	Ibaraki
Tochigi		1		2					1								1			1		6	Tochigi
Gunma		1	3				1	1	1			1		1	1			2	2	2		16	Gunma
Saitama	2	2	1	1	1			3		1				1	2	1	3		2	3		23	Saitama
Chiba	4	4	2	2			5					1	1	1	2	1						23	Chiba
Tokyo		2	1	1			3	1	1		2				1			1	1			14	Tokyo
Kanagawa	4	1	2		2	1		1	1	1	1		1	2		1						18	Kanagawa
Niigata			1	1		1	1					1										5	Niigata
Toyama			1																			1	Toyama
Ishikawa	2		3	1	2		1	1							1		1					12	Ishikawa
Fukui	2	1		1						1		1		1								7	Fukui
Yamanashi																							Yamanash
Nagano	1		3			2		1		1					1			1				10	Nagano
Gifu	7	1	3		3	3	1	1	1			2	3		2	1	1	1		3	1	34	Gifu
Shizuoka	1						1				1											3	Shizuoka
Aichi	4	5	7	6	5	5	10	7	3	7	3	2	4	3	3	6	5	3	5	8	1	102	Aichi
Mie	3	6	2	4	2	3	4	4	1	1	1	4	3	2	5	3	5	4	3	2	1	63	Mie
Shiga	6	1	1	1	1	2	4	3	1	2	2	3		6	4	4				2	2	45	Shiga

Kyoto		1		1				2			2			1		2	1					10	Kyoto
Osaka	14	9	4	9	7	6	2	3			5	1	4	3				2	1	1	3	74	Osaka
Hyogo	2		2	2	3	1	2			1	1		1	1	1	1		1	2	2	1	24	Hyogo
Nara									1		1	3		1	2		1			1		10	Nara
Wakayama		2	1	1	1	1					1		2									9	Wakayama
Tottori																							Tottori
Shimane		1																				1	Shimane
Okayama		2			1		2				2				1	2		1		1		12	Okayama
Hiroshima	1	1								1			1			2						6	Hiroshima
Yamaguchi																	1					1	Yamaguchi
Tokushima	1																					1	Tokushima
Kagawa	1																					1	Kagawa
Ehime																							Ehime
Kochi	1																					1	Kochi
Fukuoka	2		1	2		3	1		1				2	2				2	2		1	19	Fukuoka
Saga																							Saga
Nagasaki	1						1										1					3	Nagasaki
Kumamoto																	1					1	Kumamoto
Oita								1						1								2	Oita
Miyazaki																				1		1	Miyazaki
Kagoshima																							Kagoshima
Okinawa																							Okinawa

total	64	44	39		37	29	9 34	43		15	16	23	20		30	29	25	24	22	22	32	14	617	total	
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Fatal and non-fatal accidents mean fatal and non-fatal injuries and occupational diseases with work absence of 4 days and more. 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.htm (MHLW, Japan)

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Fatal accidents in metal furniture in Japan in 1999-2021

metal furniture industry Code No.010502

Type of fatal accidents in metal 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								1					1											2	fall from height
falling to same level																									falling to same
																									level
crash																									crash
struck by flying or																									struck by flying
falling object																									or falling object
collapse																									collapse
crashed by																									crashed by
																									caught

caught in/between				1								1	in/between
cut													cut
injury to the sole of the foot													injury to the sole of the foot
drown													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)													traffic accident (public road)
traffic accident (others)													traffic accident (others)
reaction to motion/improper motion													reaction to motion/improper motion
others													others
unclassifiable													unclassifiable

total				2			1						3	total

Causal agents (large) of fatal accidents in metal furniture in 1999-2021

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	total	Causal (L) agents
machine																									machine
crane, conveying machine																									crane, conveying machine
other equipment																									other equipment
temporary buildings, establishments								1					1											2	temporary buildings, establishments
substance, material								1																1	substance, material
load																									load
environment																									environment
others																									others
total								2					1											3	total

Causal agents (middle) of fatal accidents in metal furniture in 1999-2021

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	total	Causal (M)
engine																									engine
power transmission mechanism																									power transmission mechanism
woodworking machine																									woodworking machine
construction machine																									construction machine
metal manufacturing machine																									metal manufacturing machine
general machine																									general machine
mobile silviculture machine																									mobile silviculture machine
crane																									crane
conveying machine																									conveying machine
vehicle																									vehicle
pressure vessel																									pressure vessel
chemical facilities																									chemical

														facilities
welding equipment														welding equipment
kiln, caldron														kiln, caldron
electric equipment														electric equipment
human power machine,														human power machine, tools
tools														tools
other equipments,														other equipments, facilities
temporary buildings, establishments				1			1						2	temporary buildings, establishments
hazards, harmful substances														hazards, harmful substances
materials				1									1	materials
load														load
natural environment														natural environment
other causal agent														other causal agent

no causal agent														no causal
no causal agent														agent
unclassifiable														unclassifiable
total				2			1						3	total

Causal agents (small) of fatal accidents in metal furniture in 1999-2021

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	total	Causal (S) agents
engine																									engine
power transmission																									power transmission
mechanism																									mechanism
circular sawing																									circular sawing
machine																									machine
band sawing																									band sawing
machine																									machine
wood planer																									wood planer
machine																									machine
hollow chisel																									hollow chisel
mortiser, wood																									mortiser, wood
borer																									borer
chamfering																									chamfering
machine, router,																									machine, router,
woodworking																									woodworking
milling machine																									milling machine

chain saw													chain saw
other woodworking													other woodworking
leveling,												$\vdash\vdash$	leveling,
transporting or													transporting or
loading machine													loading machine
excavating machine													excavating machine
foundation work													foundation work
machine													machine
hardening machine													hardening machine
demolition machine													demolition machine
vehicle for high lift													vehicle for high lift
work													work
other construction													other construction
machines													machines
lathe													lathe
drill press, milling													drill press, milling
machine													machine
grinding machine,													grinding machine,
buffing machine													buffing machine
power press													power press
forging pressure													forging pressure
hammer													hammer
shearing machine													shearing machine

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

mobile crane												mobile crane
derrick crane												derrick crane
elevator, lift												elevator, lift
cargo lifting												cargo lifting
appliance												appliance
gondola												gondola
lumberyard												lumberyard
equipment, logging												equipment, logging
cableway												cableway
simple skyline												simple skyline
yarding equipment												yarding equipment
other powered												other powered
crane												crane
truck												truck
forklift												forklift
railway equipment												railway equipment
conveyor												conveyor
loader												loader
straddle carrier												straddle carrier
rough terrain hauler												rough terrain hauler
other powered												other powered
conveying machines												conveying machines
cars, bus,												cars, bus,
motorcycle												motorcycle

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

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

establishments													establishments
explosive substance													explosive substance
inflammable													inflammable
substance													substance
inflammable gas													inflammable gas
harmful substance													harmful substance
radiation													radiation
other hazards,													other hazards,
harmful substances													harmful substances
metal material				1								1	metal material
lumber, bamboo													lumber, bamboo
stone, sand,													stone, sand,
substance													substance
other materials													other materials
load													load
machine/equipment													machine/equipment
as load													as load
natural ground,													natural ground,
rock													rock
standing tree													standing tree
water													water
abnormal													abnormal
environment													environment
high/cold													high/cold

temperature														temperature
environment														environment
other environments														other environments
other causal agent														other causal agent
no causal agent														no causal agent
unclassifiable														unclassifiable
total				2			1						3	total

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

Workers' number of workplace of fatal accidents in metal 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	9 workers or less
10-29				1			1						2	10-29
30-49														30-49
50-99														50-99
100-299														100-299
300 workers or														300 workers or
more														more
total				2			1						3	total

Month of fatal accidents in metal 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																									March
April																									April
May																									May
June																									June
July																									July
August																									August
September													1											1	September
October																									October
November								2																2	November
				$\overline{}$	$\overline{}$										$\overline{}$		$\overline{\Box}$					$\overline{}$			

December														December
total				2			1						3	total

Prefecture of fatal accidents in metal 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																									Hokkaido
Aomori																									Aomori
lwate																									lwate
Miyagi																									Miyagi
Akita																									Akita
Yamagata																									Yamagata
Fukushima																									Fukushima
Ibaraki																									Ibaraki
Tochigi																									Tochigi
Gunma																									Gunma
Saitama																									Saitama
Chiba																									Chiba
Tokyo																									Tokyo
Kanagawa																									Kanagawa
Niigata																									Niigata
Toyama																									Toyama
Ishikawa																									Ishikawa

Fukui														Fukui
Yamanashi														Yamanashi
Nagano														Nagano
Gifu														Gifu
Shizuoka														Shizuoka
Aichi														Aichi
Mie														Mie
Shiga														Shiga
Kyoto														Kyoto
Osaka				2			1						3	Osaka
Hyogo														Hyogo
Nara														Nara
Wakayama														Wakayama
Tottori														Tottori
Shimane														Shimane
Okayama														Okayama
Hiroshima														Hiroshima
Yamaguchi														Yamaguch
Tokushima														Tokushima
Kagawa														Kagawa
Ehime														Ehime
Kochi														Kochi
Fukuoka														Fukuoka

Saga														Saga
Nagasaki														Nagasaki
Kumamoto														Kumamoto
Oita														Oita
Miyazaki														Miyazaki
Kagoshima														Kagoshima
Okinawa														Okinawa
total				2			1						3	total

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

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