

Fatal and non-fatal accidents in bookbinding in Japan in 1999-2021

bookbinding industry Code No.010702

Type of accidents in bookbinding 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	8	9	6	8	5	3	2	7	8	6	4	2	6	5	4	5	6	3	3	5	4	3	5	117	fall from height	
falling to same level	10	9	19	5	7	12	12	14	9	6	12	11	8	6	11	13	11	7	11	4	4	5	4	210	falling to same level	
crash	3	6	6	5	5	14	2	3	4	4	2	5	3	2	1	4	1	2	3	5	2	3	3	88	crash	
struck by flying or falling object	4	2	1	3	2	4	1	3	3	1	3	2	3	1	2	3	1		3	1	1			44	struck by flying or falling object	
collapse			1	1	1	1	1	2	3		1	1		1	1		1	1	2	1				19	collapse	
crashed by	2	5	5	2	2	6	4	4	3	7	5	2	1	4	1		1	2	1	5	3	2	6	73	crashed by	
caught in/between	83	75	68	59	61	63	71	53	50	61	44	45	39	25	33	30	41	18	30	28	19	21	21	1,038	caught in/between	
cut	10	11	11	7	14	7	6	13	14	10	8	4	5	5	3	2	6	4	5	5	1	6		157	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			2		1	1							1			9	contact to high/low-temperature	

machine																									machine
food manufacturing machine													1											1	food manufacturing machine
printing machine			28		32		25	28	31	28	17	18	19	10	18	11	14	11	9	13	5	8	7	332	printing machine
industrial robot																									industrial robot
other general power machines			34		29		28	21	21	23	17	17	15	12	10	11	12	9	13	14	9	13	8	316	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																									mobile crane
derrick crane																									derrick crane
elevator, lift					1				1							1	1							4	elevator, lift
cargo lifting appliance																									cargo lifting appliance
gondola																									gondola
lumberyard equipment, logging cableway																									lumberyard equipment, logging cableway

facilities			1				1	2	1	2		1	1		1	2	1		1			1		15	facilities
scaffolding																									scaffolding
timbering																									timbering
stairs, landing stage			1				2	3	3	1	1	2	1	1	2	4	1	1	1	3	1			28	stairs, landing stage
opening								1											1				1	3	opening
roof, beam, haze, crossbeam, principal rafter													1				1							2	roof, beam, haze, crossbeam, principal rafter
working platform, boot board			5		3		2			1				3	1	1	1	2	2	1	2			24	working platform, boot board
passage			3		1		4	6	5	2	2	4	3	3	7	3	6	2	2	1	1	3	2	60	passage
building, establishment					1		3				2	3	1				2	1		1	1	1		16	building, establishment
other temporary buildings, establishments			1																					11	other temporary buildings, establishments
explosive substance																									explosive substance
inflammable substance							1																	1	inflammable substance
inflammable gas																									inflammable gas
harmful substance																	1							1	harmful substance
radiation																									radiation
other hazards, harmful substances																									other hazards, harmful substances

metal material							1	1				1			1				1				5	metal material	
lumber, bamboo								1	1										1				3	lumber, bamboo	
stone, sand, substance																								stone, sand, substance	
other materials			4		2		1	2	1	3	1	1	2			1		1		1		2	22	other materials	
load			9		2		3	8	4	7	3	1	4	3	6	7	3	2	4	6	2	1	5	80	load
machine/equipment as load			1					1	1							1	1					1	6	machine/equipment as load	
natural ground, rock																								natural ground, rock	
standing tree																								standing tree	
water																								water	
abnormal environment																								abnormal environment	
high/cold temperature environment											1										1		2	high/cold temperature environment	
other environments										1	1					2	1			1			6	other environments	
other causal agent					1		1	3					1			1	1		1	2			3	14	other causal agent
no causal agent			4		4		1	3	2	3	1	2	2	3	1	1			7	2	1	4	1	42	no causal agent
unclassifiable			1												1								2	unclassifiable	
total			130		104		107	111	103	109	83	74	74	62	63	63	76	41	69	63	39	47	44	1,462	total

Workers age of fatal and non-fatal accidents in bookbinding 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	9	5	6	2	1	4	8	4	5	2		3	1	1		1	2				1	1	2	58	19 years old or less
20-29	30	23	34	13	23	27	18	31	18	23	13	8	14	14	7	9	11	6	7	10	3	8	6	356	20-29
30-39	26	19	21	26	21	29	32	27	23	31	19	11	19	10	12	15	14	6	13	8	3	8	4	397	30-39
40-49	25	28	25	17	13	17	16	16	27	21	18	15	11	15	16	20	16	9	16	14	16	6	6	383	40-49
50-59	31	38	32	27	26	26	21	17	19	14	16	18	11	12	10	8	17	9	15	15	7	12	14	415	50-59
60 years old or more	10	18	12	15	20	16	12	16	11	18	17	19	18	10	18	10	16	11	18	16	9	12	12	334	60 years old or more
total	131	131	130	100	104	119	107	111	103	109	83	74	74	62	63	63	76	41	69	63	39	47	44	1,943	total

Workers' number of workplace of fatal and non-fatal accidents in bookbinding 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	39	37	35	28	36	31	29	19	10	23	21	13	17	13	12	14	22	7	14	8	7	6	7	448	9 workers or less
10-29	37	41	47	41	31	36	36	35	38	35	32	29	28	23	20	23	19	12	22	15	18	16	18	652	10-29
30-49	19	13	10	12	14	22	14	22	23	13	9	12	15	14	13	14	15	11	13	13	6	3	6	306	30-49
50-99	21	16	29	13	11	17	10	16	14	21	8	8	8	7	9	5	9	9	12	11	8	15	9	286	50-99
100-299	13	19	7	6	10	8	14	15	14	13	12	12	4	4	7	6	9	2	8	13		6	4	206	100-299
300 workers or more	2	5	2		2	5	4	4	4	4	1		2	1	2	1	2			3		1		45	300 workers or more
total	131	131	130	100	104	119	107	111	103	109	83	74	74	62	63	63	76	41	69	63	39	47	44	1,943	total

Miyagi	2	2	3				3	1	2	4		1		3				1				1	1	24	Miyagi
Akita	1		1						1							1								4	Akita
Yamagata							1	1	2					1										5	Yamagata
Fukushima			1									1			1		1							4	Fukushima
Ibaraki	2	2						2		1			1	1		1			1					11	Ibaraki
Tochigi																									Tochigi
Gunma		3	1				2		1		1	3	2		1	2			1					17	Gunma
Saitama	37	33	40		40		32	30	31	29	27	22	21	14	20	21	26	11	23	21	11	16	17	522	Saitama
Chiba		6	1		1		1		3	2	1			2	1		2		1		1			22	Chiba
Tokyo	45	34	28		33		28	23	25	33	24	19	16	16	13	13	20	14	17	14	11	7	10	443	Tokyo
Kanagawa	2	3	2		1		2		1				1	1	1		1					1		16	Kanagawa
Niigata	1		2				1	2	1	5			2			1	1	1	1	1				19	Niigata
Toyama					2									1										3	Toyama
Ishikawa					1										1									2	Ishikawa
Fukui	1		1					1	1		1			1			1	1		1				9	Fukui
Yamanashi																									Yamanashi
Nagano	1	3	2		1		2		1	4	1	2	1	1	3	3	1		2		1	1		30	Nagano
Gifu		1	5		2		3	1		1	2	4		1			1						2	23	Gifu
Shizuoka	3	7	2		1		2	4	1	2	2	2	3	1			4	1	3		2	2	2	44	Shizuoka
Aichi	5	8	7				4	4	3	5	4	4	2	10	2	2	1	2	3	3	2	5	1	77	Aichi
Mie		1							1															2	Mie
Shiga		1			1			1					1	1			1							6	Shiga
Kyoto	2	4	5		2		4	3	3	2	1	3	3	2	5	2	3	3		1	1	3		52	Kyoto

Osaka	16	9	14		9		7	18	8	8	7	6	8	2	9	8	4	3	12	9	5	6	3	171	Osaka
Hyogo	4	3	3				1	10	3	3		1	2			1	1	1	1	1	1		3	39	Hyogo
Nara		1					1			1	1	1	1		1	1				2				10	Nara
Wakayama		1																						1	Wakayama
Tottori											1		1		2								1	5	Tottori
Shimane	1	2							1	1	2	1				2	1			1	1			13	Shimane
Okayama	1	2	1		3		4	7	8	2	3	3	2	2		2	2		3	3	1	3	2	54	Okayama
Hiroshima			3		1				2						1				1					8	Hiroshima
Yamaguchi			2		2															1		1		6	Yamaguchi
Tokushima													1											1	Tokushima
Kagawa					1		1									1	1						1	5	Kagawa
Ehime	1	1	1				1						1											5	Ehime
Kochi																									Kochi
Fukuoka	6	3	1		1		2	2	1	4	1	1	2		1	1	3	1	1	2	1	1	1	36	Fukuoka
Saga													1											1	Saga
Nagasaki																									Nagasaki
Kumamoto							2				1		1	1	1	1								7	Kumamoto
Oita																				1				1	Oita
Miyazaki			1								1									1				3	Miyazaki
Kagoshima					1																			1	Kagoshima
Okinawa			1						1	1	1			1				1			1			7	Okinawa
total	131	131	130		104		107	111	103	109	83	74	74	62	63	63	76	41	69	63	39	47	44	1,724	total

hand tool																								hand tool
ladder																								ladder
slinging tool								1															1	slinging tool
other tools																								other tools
other equipment, facilities																								other equipment, facilities
scaffolding																								scaffolding
timbering																								timbering
stairs, landing stage																			1				1	stairs, landing stage
opening																								opening
roof, beam, haze, crossbeam, principal rafter																								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

