

Fatal and non-fatal accidents in silk-reeling in Japan in 1999-2021

silk-reeling industry Code No.010201

Type of accidents in silk-reeling 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		1	2	1	1	2				1												2	18	fall from height	
falling to same level	6	6	3	7	3	3	2	1				2		2	1		1	1		1	1				40	falling to same level
crash	3	3			1		2			1						1		1							12	crash
struck by flying or falling object			1							1															2	struck by flying or falling object
collapse						1																			1	collapse
crashed by	2		1			1												1					1		6	crashed by
caught in/between	8	16	8	4	6	3	2	6		2		3	6	5	1	2	1	1	3	1	1	2	2		83	caught in/between
cut	1	4	3				1				1			1		1		2					1		15	cut
injury to the sole of the foot																										injury to the sole of the foot
drown																										drown
contact to high/low-temperature		1	1	1			1					1						2			1				8	contact to high/low-temperature

machine																							machine		
food manufacturing machine																							food manufacturing machine		
printing machine																							printing machine		
industrial robot																							industrial robot		
other general power machines			7		5		1	4		2		1	3	2	1	2			2	1		1	1	33	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	crane
mobile crane																									mobile crane
derrick crane																									derrick crane
elevator, lift																									elevator, lift
cargo lifting appliance																									cargo lifting appliance
gondola																									gondola
lumberyard equipment, logging																									lumberyard equipment, logging

gas welding equipment																							gas welding equipment		
arc welding equipment																								arc welding equipment	
other welding equipment																								other welding equipment	
kiln, caldron																								kiln, caldron	
industrial dryer																								industrial dryer	
other kiln, caldron																								other kiln, caldron	
transmission																								transmission	
electric power facilities																								electric power facilities	
other electrical equipment																								other electrical equipment	
human power cranes																								human power cranes	
human power hauling equipment							1				1												2	human power hauling equipment	
human power machine																								human power machine	
hand tool			1							1													2	hand tool	
ladder			2				1			1												1	5	ladder	
slinging tool																								slinging tool	
other tools							1							2		1		1			1		1	7	other tools

harmful substances																		1							1	2	harmful substances	
metal material																											metal material	
lumber, bamboo																									1	1	lumber, bamboo	
stone, sand, substance																											stone, sand, substance	
other materials					1		2			1																4	other materials	
load					1		1	1	1	1															1	1	7	load
machine/equipment as load																											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	high/cold temperature environment	
other environments																											other environments	
other causal agent											1		1												1		3	other causal agent
no causal agent								1		1			1												1	1	5	no causal agent
unclassifiable																											unclassifiable	
total			20		11		10	7	2	4	3	7	6	8	2	4	2	8	3	5	4	3	8	117		total		

Workers age of fatal and non-fatal accidents in silk-reeling 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			1	1									1					2		1				6	19 years old or less
20-29	4	3	4				2	2				4		2		2		1	1		1	1		27	20-29
30-39	5	1	5	1	6	1	1				1		1	1		1	2	2		1			2	31	30-39
40-49	4	8	3	5		2		2		1			1		1			1			1	1	2	32	40-49
50-59	15	11	5	5	4	5	5	3	1	2		2	3	3	1			2	1	2	1		3	74	50-59
60 years old or more	2	9	2	4	1	2	2			1	1	2	1		2				1	1	1	1	1	35	60 years old or more
total	30	32	20	16	11	10	10	7	2	4	3	7	6	8	2	4	2	8	3	5	4	3	8	205	total

Workers' number of workplace of fatal and non-fatal accidents in silk-reeling 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	9	6	3	6	2	4		2	1	3	2	1		1			2		2	1	1		3	49	9 workers or less
10-29	7	13	6	1	6	1	7		1	1		3	4	5	1	1		1		2	1	2	4	67	10-29
30-49	2	5	3	2				3					1			2		1	1					20	30-49
50-99	5	6	4	5	2	4	2	2				2			1							1		34	50-99
100-299	5	1	4	2	1	1	1					1	1	2		1		6		1	2			29	100-299
300 workers or more	2	1									1									1			1	6	300 workers or more
total	30	32	20	16	11	10	10	7	2	4	3	7	6	8	2	4	2	8	3	5	4	3	8	205	total

Iwate																								Iwate	
Miyagi	1																							1	Miyagi
Akita																									Akita
Yamagata			1																					1	Yamagata
Fukushima	1	1	1					2																5	Fukushima
Ibaraki					1																			1	Ibaraki
Tochigi																									Tochigi
Gunma															1									1	Gunma
Saitama	1	2																						3	Saitama
Chiba																1							1	2	Chiba
Tokyo							1											2						3	Tokyo
Kanagawa					1					1		2											1	5	Kanagawa
Niigata	3	1						1		1														6	Niigata
Toyama							1																	1	Toyama
Ishikawa	3																1		1					5	Ishikawa
Fukui	1	1	1				1	1		1			1		3			2						12	Fukui
Yamanashi																									Yamanashi
Nagano	1	2							1													1		5	Nagano
Gifu	2	2	1		1						1							1					1	9	Gifu
Shizuoka	1																							1	Shizuoka
Aichi	2	4	3		2		2	1		1		4		1	2		1			1		2	1	27	Aichi
Mie	2	2	1		1		1																	7	Mie
Shiga		2											1	2									1	6	Shiga

total														1											1	total
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Causal agents (large) of fatal accidents in silk-reeling 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													1												1	machine
crane, conveying machine																										crane, conveying machine
other equipment																										other equipment
temporary buildings, establishments																										temporary buildings, establishments
substance, material																										substance, material
load																										load
environment																										environment
others																										others
total													1												1	total

Causal agents (middle) of fatal accidents in silk-reeling in 1999-2021

human power hauling equipment																							human power hauling equipment
human power machine																							human power machine
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																							roof, beam, haze, crossbeam, principal rafter
working platform, boot board																							working platform, boot board
passage																							passage
building, establishment																							building, establishment
other temporary buildings,																							other temporary buildings,

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

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

Return to https://www.jisha.or.jp/english/statistics/2021e_industry.html