cotton-spinning industry Code No.010202

Type of accidents in cotton-spinning 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	10	11	13	8	9	9	5	5	11	8	2	8	3	1	6	5	2	1	2	2	5	2	3	131	fall from height
falling to same level	12	10	7	10	16	4	6	10	5	1	3	2	5	8	7	7	7	4	8	12	6	4	2	156	falling to same
crash	5	5	2	4	2	3	1	1	1		1			2		3	1	1	1		1	1		35	crash
struck by flying or falling object	6	4	3	2	4	1	3	3	2	1	2	1		2	3	1	1		1	2				42	struck by flying or falling object
collapse	1			2	2		1		1			1									1		1	10	collapse
crashed by	6	4	2	2	2	2	3	3	1	3	1	1			1		2		1					34	crashed by
caught in/between	60	55	45	40	24	25	19	27	27	20	18	15	18	15	15	10	16	14	18	13	14	7	16	531	caught in/between
cut	18	9	6	13	4	2	7	6	7	4	1	3		4		2	1	1		4	2	1	2	97	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		2	2				1					1	1				1		1	2			12	contact to high/low- temperature

contact to harmful substance	1			1																			1	3	contact to harmful substance
electric shock												1												1	electric shock
explosion																									explosion
burst																									burst
fire																									fire
traffic accident (public road)		1					1				1		1	1										5	traffic accident (public road)
traffic accident (others)																									traffic accident (others)
reaction to motion/improper motion	8	3	7	6	2	2	3	5	4	3	1	2	3	2	2	2	4	3	4	2	4	1	5	78	reaction to motion/improper motion
others									1								1	1						3	others
unclassifiable	1						1											1						3	unclassifiable
total	129	102	87	91	65	48	50	61	60	40	30	34	31	36	34	30	35	27	35	36	35	16	30	1,142	total

Causal agents (large) of fatal and non-fatal accidents in cotton-spinning 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)
., 3																									agents
machine	71	64	44	51	26	26	24	30	28	17	18	21	18	19	17	12	15	16	18	14	17	8	16	590	machine
crane, conveying																									crane,

machine	9	6	4	2	5	2	5	3	3	6	4	1	1	3		1	3	1	2	1				62	conveying
macmine																									machine
ather equipment	16	17	18	12	12	4	9	14	13	10	2	5	6	8	8	7	7	2	2	7	7	2	5	193	other
other equipment	10	17	10	12	12			14	13	10		3		0	0	/			2		/		3		equipment
to man a warm, buildings																									temporary
temporary buildings, establishments	14	9	9	17	13	10	8	10	9	3	2	3	1	1	4	6	5	3	7	7	4	6	2	153	buildings,
establistiments																									establishments
substance, material	4	2		3	4	3	1		1	1	2				2		1			3			2	29	substance,
substance, material	4			3																٥				29	material
load	11	4	8	4	4	2	1	2	6	1	2	2	2	2	2	1	1	1	4	1	1		2	64	load
environment			1	1			1						1	1		2				1	2			10	environment
others	4		3	1	1	1	1	2		2		2	2	2	1	1	3	4	2	2	4		3	41	others
total	129	102	87	91	65	48	50	61	60	40	30	34	31	36	34	30	35	27	35	36	35	16	30	1,142	total

Causal agents (middle) of fatal and non-fatal accidents in cotton-spinning 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	11	5	6	2	4	4	4	2	4	2	2	1	2			1	2		6	2	2	2	1	65	power transmission mechanism
woodworking machine	1										1													2	woodworking machine

construction machine																									construction machine
metal manufacturing machine	5	3		1		1	2											1						13	metal manufacturing machine
general machine	54	56	38	48	22	21	18	28	24	15	15	20	16	19	17	11	13	15	12	12	15	6	15	510	general machine
mobile silviculture machine																									mobile silviculture machine
crane					2					1										1				4	crane
conveying machine	9	5	4	2	3	2	5	3	3	5	3	1	1	3		1	3	1	2					56	conveying machine
vehicle		1									1													2	vehicle
pressure vessel				1	1								1											3	pressure vessel
chemical facilities																									chemical facilities
welding equipment																									welding equipment
kiln, caldron				1																1				2	kiln, caldron
electric equipment						1	1					1												3	electric equipment
human power machine, tools	9	8	8	4	1	2	4	6	5	3	2	1		4	3	4	5		1	3	2		2	77	human power machine, tools

tools	6	8	8	5	9	1	4	6	7	6		3	4	3	5	3	2	1	1	3	4	1	3	93	tools
other equipments,	1	1	2	1	1			2	1	1			1	1				1			1	1		15	other equipments, facilities
temporary buildings, establishments	14	9	9	17	13	10	8	10	9	3	2	3	1	1	4	6	5	3	7	7	4	6	2	153	temporary buildings, establishments
hazards, harmful substances	1			1																			1	3	hazards, harmful substances
materials	3	2		2	4	3	1		1	1	2				2		1			3			1	26	materials
load	11	4	8	4	4	2	1	2	6	1	2	2	2	2	2	1	1	1	4	1	1		2	64	load
natural environment			1	1			1						1	1		2				1	2			10	natural environment
other causal agent	1		1	1												1	2	2			1			9	other causal agent
no causal agent	2		2		1	1	1	2		2		2	2	2	1		1	2	2	2	3		3	31	no causal agent
unclassifiable	1																							1	unclassifiable
total	129	102	87	91	65	48	50	61	60	40	30	34	31	36	34	30	35	27	35	36	35	16	30	1,142	total

Causal agents (small) of fatal and non-fatal accidents in cotton-spinning 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		6	4	4	2	4	2	2	1	2		1	2	6	2	2	2	1	43	power transmission mechanism
circular sawing machine								1											1	circular sawing machine
band sawing machine																				band sawing machine
wood planer machine																				wood planer machine
hollow chisel mortiser, wood borer																				hollow chisel mortiser, wood borer
chamfering machine, router, woodworking																				chamfering machine, router, woodworking
milling machine																				milling machine chain saw
other woodworking machines																				other woodworking machines
leveling, transporting or loading machine																				leveling, transporting or loading machine
excavating machine																				excavating machine
foundation work																				foundation work

		لـــــال		ا	ــــــا			ـــــال		JL	ا	ــــــا	ا	JL	لـــــا		ا	ـــــال	JL	JL	الـ		[ <u></u>
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					1																	1	lathe
drill press, milling					1																	1	drill press, milling
machine																							machine
grinding machine,																1						1	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																			1			1	mixer, grinder
roll machine (except																							roll machine (except
printingroll		5	3		3	1	4	5	1	2	1	3	5	1	2	1	2	3	1	1	1	45	printingroll
machine)																							machine)
injection molding																							injection molding

machine																						machine
food manufacturing																						food manufacturing machine
printing machine																						printing machine
industrial robot																				1	1	industrial robot
other general power machines		33	19	15	27	20	10	14	18	15	16	12	10	11	14	10	9	13	5	13	284	other general power machines
felling machine																						felling machine
mobile logging																						mobile logging machine
skyline yarding machine																						skyline yarding machine
other mobile																						other mobile
silviculture machine																						silviculture machine
crane																	1				1	crane
mobile crane																						mobile crane
derrick crane																						derrick crane
elevator, lift			2																		2	elevator, lift
cargo lifting appliance																						cargo lifting appliance
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				1						1	1				1			4	truck
forklift		2	1	4	1	1	4						3		1			17	forklift
railway equipment																			railway equipment
conveyor		2	2		2	1		2			2	1		1				13	conveyor
loader																			loader
straddle carrier																			straddle carrier
rough terrain hauler																			rough terrain hauler
other powered conveying machines						1	1	1	1									4	other powered conveying machines
cars, bus, motorcycle								1										1	cars, bus, motorcycle
railway vehicle																			railway vehicle
other vehicles																			other vehicles
boiler																			boiler
pressure vessel										1								1	pressure vessel
other pressure vessels			1															1	other pressure 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																	1				1	other kiln, caldron
transmission																						transmission
electric power																						electric power
facilities																						facilities
other electrical																					2	other electrical
equipment				ľ																	2	equipment
human power																						human power
cranes																						cranes
human power		_				1															25	human power
hauling equipment				2	3			2	ľ		2	2	2	3		I		2		1	25	hauling equipment
human power																						human power
machine						1								1							2	machine
hand tool		7	1	2	3	3	2				2	1	2	1			2			1	27	hand tool
ladder		6	6	2	4	6	5		2	3	2	4	3	2	1	1	1	2	1	2	53	ladder
slinging tool																						slinging tool
other tools		2	3	2	2	1	1		1	1	1	1					2	2		1	20	other tools

other equipment,		2	1		2	1	1			1	1				1			1	1		12	other equipment,
scaffolding												1									1	scaffolding
timbering																						timbering
stairs, landing stage		1	1	1	1	3	1		1				1	1		1		1			13	stairs, landing stage
opening													1								1	opening
roof, beam, haze, crossbeam, principal rafter			2														1				3	roof, beam, haze, crossbeam, principal rafter
working platform, boot board		4	5	3	2	2	1	1	1	1			1	2		2	1	2	1		29	working platform, boot board
passage		3	4	2	7	2		1			1	3	1	2	2	3	3	1	3	1	39	passage
building, establishment		1	1	1					1				2						1		7	building, establishment
other temporary buildings, establishments				1		2	1								1	1	2		1	1	10	other temporary buildings, establishments
explosive substance																						explosive substance
inflammable substance																						inflammable substance
inflammable gas																						inflammable gas
harmful substance																						harmful substance
radiation																						radiation
other hazards,																						other hazards,

harmful substances																				1	1	harmful substances
metal material			1				1	2						1			1				6	metal material
lumber, bamboo						1											1				2	lumber, bamboo
stone, sand, substance																						stone, sand, substance
other materials			3	1								2					1			1	8	other materials
load		8	4		2	6		2	2	2	2	2	1	1	1	3	1	1		2	40	load
machine/equipment as load				1			1									1					3	machine/equipment
natural ground, rock																						natural ground,
standing tree																						standing tree
water				1																	1	water
abnormal environment																						abnormal environment
high/cold temperature environment		1															1	2				high/cold temperature environment
other environments										1	1		2								4	other environments
other causal agent		1											1	2	2			1			7	other causal agent
no causal agent		2	1	1	2		2		2	2	2	1		1	2	2	2	3		3	28	no causal agent
unclassifiable																						unclassifiable
total		87	65	50	61	60	40	30	34	31	36	34	30	35	27	35	36	35	16	30	772	total

## Workers age of fatal and non-fatal accidents in cotton-spinning 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	5	6	4	1	1			1	4	1	1		1	1	1		1	1		2			1	32	19 years old or less
20-29	11	8	6	15	7	3	8	3	8	1	4	1	6		4	4	5	2	6	2	3	3	5	115	20-29
30-39	15	11	10	10	6	8	4	9	2	4	1	5	4	4	4	3	4	2	2	5	9	2	4	128	30-39
40-49	23	12	15	10	12	12	7	12	10	9	7	4	4	8	5	5	7	3	1	4	5	3	3	181	40-49
50-59	55	49	34	39	22	19	14	24	20	19	9	9	7	8	11	7	13	8	11	10	8	1	8	405	50-59
60 years old or more	20	16	18	16	17	6	17	12	16	6	8	15	9	15	9	11	5	11	15	13	10	7	9	281	60 years old or more
total	129	102	87	91	65	48	50	61	60	40	30	34	31	36	34	30	35	27	35	36	35	16	30	1,142	total

Workers' number of workplace of fatal and non-fatal accidents in cotton-spinning 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	29	16	16	15	19	10	15	9	13	5	7	9	8	11	7	8	7	4	6	5	3		2	224	9 workers or less
10-29	40	30	32	25	16	19	12	24	17	11	9	12	7	7	8	9	14	6	9	7	14	6	11	345	10-29
30-49	9	15	14	21	10	5	7	8	13	5	4	4	7	5	8	3	3	5	7	6	2	4	3	168	30-49
50-99	17	13	9	13	11	6	6	11	10	12	5	5	7	13	7	7	9	8	7	11	15	2	12	216	50-99
100-299	24	23	14	17	8	7	10	9	7	7	5	4	2		4	3	2	4	6	6	1	4	2	169	100-299
300 workers or	10	5	2		1	1														1				20	300 workers or
more						•																			more

total	129	102	87	91	65	48	50	61	60	40	30	34	31	36	34		35	27	35	35	16	30	1,142 total	
lotai	'2'	102	0,	- '		''		•		'0	30	-	-		'	50					'0		1,112 (0 (4)	

Month of fatal and non-fatal accidents in cotton-spinning 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	13	11	10	6	5	6	1	4	4	3	3	4	3		3	5	5	1	3	4	2	1	7	104	January
February	11	10	9	7	6	3	5	8	3	7	4	1	2	4	2	4	5	4	2		3		1	101	February
March	17	14	5	4	3	4	3	7	5	3	2	2	4	3		1	3	2	3	8	3	1	3	100	March
April	9	9	6	11	4	4	4	4	7	6	2	3	5	4	4	2		1	3	4	3	3		98	April
May	7	8	5	4	7	3	2	5	1		3	1	3	6	4	3	4	1	3	6	3	3	3	85	May
June	10	10	16	6	6	4	6	7	5	3	4	3	1	1	1	2	4		2	2	3	2	5	103	June
July	13	1	9	8	6	10	3	6	8	3	1	4	3	4	5	2	2	4	3	1	2	2	3	103	July
August	12	9	5	11	6	5	6	5	6	1	1	4	1	4	2	2	2	2	3	1	5	2	2	97	August
September	10	8	6	7	5	2	7	2	1	2	4	4	3	3	4	2	3	2	2	2	5		1	85	September
October	10	11	5	9	8	3	4	3	7	7	2	3	3	1	5	1	2	3	4	4	2		3	100	October
November	10	9	8	8	6	1	4	5	5	2	3	4	1	3	2	3	1	3	5	1	1	2	1	88	November
December	7	2	3	10	3	3	5	5	8	3	1	1	2	3	2	3	4	4	2	3	3		1	78	December
total	129	102	87	91	65	48	50	61	60	40	30	34	31	36	34	30	35	27	35	36	35	16	30	1,142	total

Prefecture of fatal and non-fatal accidents in cotton-spinning 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		2				1			1		2							1	1			8	Miyagi
Akita																							Akita
Yamagata	2	1	1	1				2				1			1					1		10	Yamagata
Fukushima						1	2							1			1					5	Fukushima
Ibaraki			1		1	1																3	Ibaraki
Tochigi																							Tochigi
Gunma	2	1																				3	Gunma
Saitama																							Saitama
Chiba						1																1	Chiba
Tokyo	1				1		1									1						4	Tokyo
Kanagawa		1									1	1						2				5	Kanagawa
Niigata	1			1		1	1		1	1	1	1						2				10	Niigata
Toyama	2	2	1	1	1			1			3	1		1		2	1				1	17	Toyama
Ishikawa	1	7	12	6	8	6	1	7	4	4	1	2	3	4	5	3	2	2	2		3	83	Ishikawa
Fukui	5	4		2	1	2	5	3	2	2	3	2	2	3	2	1	3	4	2		2	50	Fukui
Yamanashi	1	1																				2	Yamanashi
Nagano	2	1						1		1	1			1	1		1					9	Nagano
Gifu	20	13	6	6	2	6	4	1	1	1	3	3	3	2		1	1	1	2		1	77	Gifu
Shizuoka	2	3	2	1	2			1	1	1							1					14	Shizuoka
Aichi	37	10	17	9	11	10	10	5	6	8	6	5	6	4	5		10	6	4	3	4	176	Aichi
Mie	4	2	3	2	1				1						1				1	1	2	18	Mie

Shiga	3	1		1	1		1	2	1				1	2	1		2	2	1		2	21	Shiga
Kyoto	5	1		2		2	3					1			1					1		16	Kyoto
Osaka	21	27	27	18	13	17	17	9	9	10	6	10	10	4	5	7	7	4	10	4	9	244	Osaka
Hyogo	2	2	1		1	1	1		1	1		1	2		1							14	Hyogo
Nara			1																			1	Nara
Wakayama	3	2	1	2	1	1	2	1			1			1	1			1				17	Wakayama
Tottori	1										1							1				3	Tottori
Shimane		3	2			2	1	2	1			1	1			1		1		2	1	18	Shimane
Okayama		2		1	1	1	2	2	1	1	1		1		2	3		1	2		1	22	Okayama
Hiroshima	4	2	2	3	1	1	4			2		1		1	1							22	Hiroshima
Yamaguchi																				1		1	Yamaguchi
Tokushima		1																				1	Tokushima
Kagawa		1	1		1	1		1									1		1			7	Kagawa
Ehime																							Ehime
Kochi					1								1									2	Kochi
Fukuoka																							Fukuoka
Saga		1	1	2		1	2	1							1							9	Saga
Nagasaki	1		1				1					2			2	2		1	2	1	2	15	Nagasaki
Kumamoto	2	2	4	2	1	3	1	1		1		1	1	1	2	3	1	4	3	1		34	Kumamoto
Oita	1	2		1						1			1	1				1			1	9	Oita
Miyazaki	1	4	2	3							1	3	2	4	2	1	3	2	4	1	1	34	Miyazaki
Kagoshima	5	3	1	1	1	2	1								1	2	1					18	Kagoshima

Okinawa																							Okinawa
total	129	102	87	65	50	61	60	40	30	34	31	36	34	30	35	27	35	36	35	16	30	1,003	total

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: <a href="https://anzeninfo.mhlw.go.jp/user/anzen/tok/anst00.htm">https://anzeninfo.mhlw.go.jp/user/anzen/tok/anst00.htm</a> (MHLW, Japan)

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Fatal accidents in cotton-spinning in Japan in 1999-2021

cotton-spinning industry Code No.010202

Type of fatal accidents in cotton-spinning 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	fall from height
falling to same level																									falling to same
luming to sume level																									level
crash																									crash
struck by flying or																									struck by flying
falling object																									or falling object
collapse																									collapse
crashed by																									crashed by

caught in/between		1			1		1						3	caught in/between
cut														cut
injury to the sole of the foot														injury to the sole
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														traffic accident (public road)
traffic accident (others)														traffic accident (others)
reaction to motion/improper motion														reaction to motion/improper motion
others									1					others

unclassifiable														unclassifiable	
total	1		1			1		1					4	total	

Causal agents (large) of fatal accidents in cotton-spinning 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		Causal (L)
machine														1										1	machine
crane, conveying machine				1						1														2	crane, conveying machine
other equipment																									other equipment
temporary buildings, establishments	1																								temporary buildings, establishments
substance, material																									substance, material
load																									load
environment																									environment
others																									others
total	1			1						1				1										4	total

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 t	otal	Causal (M) agents
engine																									engine
power transmission mechanism																									power transmission mechanism
woodworking machine																									woodworking machine
construction machine																									construction machine
metal manufacturing machine																									metal manufacturin machine
general machine														1											general machine
mobile silviculture machine																									mobile silviculture machine
crane																									crane
conveying machine				1						1														2	conveying machine
vehicle																									vehicle
pressure vessel																									pressure ves

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

														agent
no sausal agent														no causal
no causal agent														agent
unclassifiable														unclassifiable
total	1		1			1		1					4	total

Causal agents (small) of fatal accidents in cotton-spinning 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																									power transmission mechanism
circular sawing																									circular sawing machine
band sawing machine																									band sawing machine
wood planer machine																									wood planer machine
hollow chisel mortiser, wood borer																									hollow chisel mortiser, wood borer
chamfering machine, router, woodworking																									chamfering machine, router, woodworking

milling machine													milling machine
chain saw													chain saw
other woodworking													other woodworking
machines													machines
leveling,													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 manufacturing machines													other metal manufacturing machines
centrifugal machine													centrifugal machine
mixer, grinder													mixer, grinder
roll machine (except printingroll machine)													roll machine (except printingroll machine)
injection molding													injection molding machine
food manufacturing machine													food manufacturing machine
printing machine													printing machine
industrial robot													industrial robot
other general power machines							1					1	other general power machines
felling machine													felling machine
mobile logging													mobile logging machine
skyline yarding machine													skyline yarding machine
other mobile silviculture machine													other mobile 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		1			1							2	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
railway vehicle													railway vehicle
other vehicles													other vehicles
boiler													boiler
pressure vessel													pressure vessel
other pressure vessels													other pressure vessels
chemical facilities													chemical facilities
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													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														stairs, landing stage
opening														opening
roof, beam, haze,														roof, beam, haze,
crossbeam,														crossbeam,
principal rafter														principal rafter
working platform,														working platform,
boot board														boot board
passage														passage
building,	1												1	building,
establishment	ı													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													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	1		1			1		1					4	total

Workers age of fatal accidents in cotton-spinning 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																									30-39
40-49										1														1	40-49
50-59				1																				1	50-59
60 years old or	1													1										2	60 years old or
more	•													•											more
total	1			1						1				1										4	total

Workers' number of workplace of fatal accidents in cotton-spinning 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	10-29
30-49														1										1	30-49
50-99										1														1	50-99
100-299																									100-299
300 workers or																									300 workers or
more																									more
total	1			1						1				1										4	total

Month of fatal accidents in cotton-spinning 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														1										1	February
March										1														1	March
April				1																				1	April
May																									May
June																									June
July																									July
August	1																							1	August
September																									September
October																									October
	$\overline{}$			$\overline{}$	$\equiv$				$\overline{}$			$\overline{}$					$\overline{}$						$\overline{\Box}$		

November														November
December														December
total	1		1			1		1					4	total

Prefecture of fatal accidents in cotton-spinning 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			1										1	Ishikawa
Fukui														Fukui
Yamanashi														Yamanash
Nagano														Nagano
Gifu	1												1	Gifu
Shizuoka														Shizuoka
Aichi								1					1	Aichi
Mie														Mie
Shiga														Shiga
Kyoto														Kyoto
Osaka														Osaka
Hyogo														Hyogo
Nara														Nara
Wakayama														Wakayam
Tottori														Tottori
Shimane														Shimane
Okayama														Okayama
Hiroshima														Hiroshima
Yamaguchi														Yamaguch
Tokushima														Tokushim
Kagawa														Kagawa
Ehime														Ehime
Kochi														Kochi

Fukuoka														Fukuoka
Saga						1							1	Saga
Nagasaki														Nagasaki
Kumamoto														Kumamoto
Oita														Oita
Miyazaki														Miyazaki
Kagoshima														Kagoshima
Okinawa														Okinawa
total	1		1			1		1					4	total

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

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