textile products industry Code No.0102

#### Type of accidents in textile products 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	92	89	92	71	73	77	65	74	64	72	55	50	36	37	47	48	53	33	39	43	48	39	41	1,338	fall from height
falling to same level	129	104	107	117	99	77	86	91	77	61	70	62	77	75	81	62	77	63	68	79	66	57	52	1,837	falling to same
crash	44	37	38	37	27	25	22	22	19	22	15	18	10	17	10	23	12	10	10	14	19	15	6	472	crash
struck by flying or falling object	46	43	29	29	31	20	24	33	18	21	14	13	17	22	9	12	12	18	13	10	12	12	18	476	struck by flying or falling object
collapse	9	6	5	5	5	6	3	4	3	3	4	3	3	6	3	3	3	7	5	2	4	4	2	98	collapse
crashed by	27	28	22	22	20	11	17	15	15	13	15	10	3	12	7	13	8	8	14	16	9	10	7	322	crashed by
caught in/between	350	299	295	267	241	204	189	192	147	163	145	118	132	126	132	133	107	118	133	128	107	85	85	3,896	caught in/between
cut	60	64	57	47	52	33	36	40	31	20	24	15	16	26	20	13	16	18	18	16	23	17	20	682	cut
injury to the sole of the foot	1	1	1	2			1	2				1			1	1			2	1	1			15	injury to the sole of the foot
drown		1											1											2	drown
contact to high/low- temperature	22	30	29	17	16	16	24	11	8	10	9	14	8	10	10	6	7	15	16	8	13	6	9	314	contact to high/low- temperature

contact to harmful	11	11	9	10	13	8	5	3	4	3	8	2	4	7	10	3	7	7	1	3	2	5	4		contact to harmful
substance																									substance
electric shock	2	1	1	1			2		1			1								1				10	electric shock
explosion						1	1															1		3	explosion
burst	1		1																					2	burst
fire	2	1	1	1	1	1	1							1			1				7			17	fire
traffic accident	4	6	6	4	7	4	4	7	1	5	1	3	9	1	2	3	2	3	2	4		2		80	traffic accident
(public road)						-								-											(public road)
traffic accident						1													1					2	traffic accident
(others)																			·						(others)
reaction to																									reaction to
motion/improper	57	37	46	57	37	44	41	42	43	32	26	24	28	22	28	24	23	27	35	33	37	26	26	795	motion/improper
motion																									motion
others	2	1	1		2	3	3	1	2	1	1		1				2	2	1	1		3	16	43	others
unclassifiable	1		4	1		1	1								1			1						10	unclassifiable
total	860	759	744	688	624	532	525	537	433	426	387	334	345	362	361	344	330	330	358	359	348	282	286	10,554	total

Causal agents (large) of fatal and non-fatal accidents in textile products 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)
caasar (2) agents	.,,,,								2007			2010		2012	2013		2013	2010	2017	2010	2017			lotai	agents
machine	384	323	312	309	267	215	210	211	160	166	161	145	131	142	129	131	121	117	136	136	120	89	93	4,208	machine
crane, conveying																									crane,

machine	52	58	47	47	49	40	47	32	41	36	23	17	25	22	22	35	18	27	27	26	20	18	17	746	conveying
macmine																									machine
other equipment	150	153	153	102	115	88	99	103	86	85	72	67	65	68	70	56	65	65	60	63	64	60	52	1,961	other
other equipment	130	133	133	102	113	00	99	103	00	03	/2	67	03	00	/0	30	03	03	00	03	04	00	32	1,901	equipment
tompount buildings																									temporary
temporary buildings, establishments	128	107	120	120	108	92	92	99	77	79	69	63	55	69	73	70	75	68	72	80	64	65	60	1,905	buildings,
establishments																									establishments
substance, material	56	42	34	39	38	43	29	32	21	19	21	15	23	29	25	17	24	17	17	17	18	17	19	612	substance,
substance, material	30	42	34	39	36	43	29	32	21		21			29		17	24	17	17		10			012	material
load	56	48	41	45	31	23	31	31	22	20	25	11	21	19	19	14	11	19	20	16	26	10	13	572	load
environment	5	5	6	2	3	10	5	9	2	5	3	5	9	2	2	9	3	2	4	6	6	4	4	111	environment
others	29	23	31	24	13	21	12	20	24	16	13	11	16	11	21	12	13	15	22	15	30	19	28	439	others
total	860	759	744	688	624	532	525	537	433	426	387	334	345	362	361	344	330	330	358	359	348	282	286	10,554	total

Causal agents (middle) of fatal and non-fatal accidents in textile products 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		1			1	1								1					1					5	engine
power transmission mechanism	28	16	29	15	15	10	10	12	11	6	8	9	7	6	6	9	9	3	15	12	5	8	10	259	power transmission mechanism
woodworking machine	4	2	5	2	1	1		1	1	1	2					1		1		3			1	26	woodworking machine

construction machine	1						1							1					1	1				5	construction machine
metal manufacturing	19	11	10	8	8	8	5	5	3	1	2	2	2	4	4	4	4	2	1	4		6	2	115	metal manufacturing machine
general machine	332	293	268	284	242	195	194	193	145	158	149	134	122	130	119	117	108	111	118	116	115	75	80	3,798	general machine
mobile silviculture machine																									mobile silviculture machine
crane	8	6	6	10	9	8	7	1	4	9	4	1	5	4	2	4	1	10	4	5	3	3	3	117	crane
conveying machine	40	45	36	30	35	28	37	25	36	22	16	14	12	15	18	27	15	14	20	16	15	13	13	542	conveying machine
vehicle	4	7	5	7	5	4	3	6	1	5	3	2	8	3	2	4	2	3	3	5	2	2	1	87	vehicle
pressure vessel	13	12	14	6	7	4	5	3	2	4	3	6	1	4		1	4	2	6	1	2	5	5	110	pressure vessel
chemical facilities		2		1	1						2													6	chemical facilities
welding equipment		1			1					1								1			1	1		6	welding equipment
kiln, caldron	6	1	4	2	2	2	3	2	1	2	1				3	1		3	2	1	2		1	39	kiln, caldron
electric equipment	3	1	2		1	3	4	1	2		2	1		1						1				22	electric equipment
human power machine, tools	55	59	50	36	40	31	35	31	23	20	15	20	17	23	18	21	17	13	19	14	21	20	13	611	human power machine, tools

tools	57	61	65	45	53	38	42	53	47	44	43	30	37	28	34	25	37	29	26	37	31	29	28	919	tools
other equipments,	16	16	18	12	10	10	10	13	11	14	6	10	10	12	15	8	7	17	7	9	7	5	5	248	other equipments, facilities
temporary buildings, establishments	128	107	120	120	108	92	92	99	77	79	69	63	55	69	73	70	75	68	72	80	64	65	60	1,905	temporary buildings, establishments
hazards, harmful substances	14	13	13	11	11	15	11	5	4	4	9	4	6	10	12	4	7	7	1	4	2	5	4	176	hazards, harmful substances
materials	42	29	21	28	27	28	18	27	17	15	12	11	17	19	13	13	17	10	16	13	16	12	15	436	materials
load	56	48	41	45	31	23	31	31	22	20	25	11	21	19	19	14	11	19	20	16	26	10	13	572	load
natural environment	5	5	6	2	3	10	5	9	2	5	3	5	9	2	2	9	3	2	4	6	6	4	4	111	natural environment
other causal agent	12	10	12	6	1	4	1	5	5	4	2		1	2	4	1	3	3	3		3	6	16	104	other causal agent
no causal agent	14	10	15	16	12	17	10	13	19	12	11	11	15	9	14	11	10	12	19	15	19	13	12	309	no causal agent
unclassifiable	3	3	4	2			1	2							3						8			26	unclassifiable
total	860	759	744	688	624	532	525	537	433	426	387	334	345	362	361	344	330	330	358	359	348	282	286	10,554	total

Causal agents (small) of fatal and non-fatal accidents in textile products 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			1								1					1					3	engine
power transmission mechanism		29	15	10	12	11	6	8	9	7	6	6	9	9	3	15	12	5	8	10	190	power transmission mechanism
circular sawing machine		3			1	1	1	2									2			1	11	circular sawing machine
band sawing machine																						band sawing machine
wood planer machine																						wood planer machine
hollow chisel mortiser, wood borer		1																			1	hollow chisel mortiser, wood borer
chamfering machine, router, woodworking milling machine																						chamfering machine, router, woodworking milling machine
chain saw																						chain saw
other woodworking machines		1	1										1		1		1				5	other woodworking machines
leveling, transporting or loading machine																						leveling, transporting or loading machine
excavating machine											1										1	excavating machine
foundation work machine																						foundation work machine

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hardening machine																1					1	hardening machine
demolition machine																						demolition machine
vehicle for high lift work				1													1				2	vehicle for high lift work
other construction machines																						other construction machines
lathe	1	I		1										1			1		2		6	lathe
drill press, milling machine			1	3		1	1		1				1								8	drill press, milling machine
grinding machine, buffing machine		I	2					1		1		1		2	1				1		10	grinding machine, buffing machine
power press	1	I	1		2						1	1	2	1			2				11	power press
forging pressure												1									1	forging pressure
shearing machine	3	3	2		1						3	1				1	1			1	13	shearing machine
other metal manufacturing machines	4	1	2	1	2	2		1	1	1			1		1				3	1	20	other metal manufacturing machines
centrifugal machine	1	I	1	2	1				1									1			7	centrifugal machine
mixer, grinder	2	2	2	1	1	1		1	1	1	2	1		3	1	1	1	1			20	mixer, grinder
roll machine (except printingroll machine)	5	52	40	34	33	24	32	24	30	25	26	32	30	27	24	28	32	17	17	16		roll machine (except printingroll machine)
injection molding																						injection molding

machine				1								2									3	machine
food manufacturing						1							1								2	food manufacturing
printing machine		1	4	2	2		1	1	2				1			3				2	19	printing machine
industrial robot																				1	1	industrial robot
other general power machines		212	195	154	156	119	125	123	100	96	102	84	85	78	86	86	83	96	58	61	2,099	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		2	4	4		1	3	1		3	3	1	2		7	2	3	3	2	3	44	crane
mobile crane							1			1					1						3	mobile crane
derrick crane																						derrick crane
elevator, lift		3	4	2	1	1	3	3	1		1	1	2	1	1	1					25	elevator, lift
cargo lifting appliance																						cargo lifting appliance
gondola																						gondola
lumberyard																						lumberyard
equipment, logging																						equipment, logging
cableway																						cableway

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simple skyline																							simple skyline
yarding equipment																							yarding equipment
other powered		ı	1		1		2	2			1					1	1	2		1		13	other powered
crane																							crane
truck	1	10	5		12	7	7	4	4	4	6	4	4	3	2	1	6	2	3	4	6	94	truck
forklift	1	15	11		16	14	19	10	4	7	4	4	5	9	8	5	11	9	8	6	4	169	forklift
railway equipment	1	l																	1			2	railway equipment
conveyor	7	7	14		8	3	6	5	7	2	2	7	8	12	3	6	2	4	1	3	1	101	conveyor
loader	1	I												1								2	loader
straddle carrier																							straddle carrier
rough terrain hauler																							rough terrain hauler
other powered	2	,	5		1	1	4	3	1	1			1	2	2	2	1	1	2		2	31	other powered
conveying machines		2	5			I	4	3	'						2	2	I		2		2	31	conveying machines
cars, bus,		_	_																			59	cars, bus,
motorcycle	5		5		2	5	l	5	2	2	8	2	2	4	2	3	3	5		2	1	59	motorcycle
railway vehicle																							railway vehicle
other vehicles					1	1			1			1							2			6	other vehicles
boiler										1							1					2	boiler
pressure vessel	1	14	6		4	2	2	4	3	5	1	4		1	4	2	5	1	2	5	5	70	pressure vessel
other pressure			1		1	1																	other pressure
vessels						I																3	vessels
chemical facilities			1						2													3	chemical facilities
gas welding																							gas welding

equipment																						equipment
arc welding equipment			1															1	1		3	arc welding equipment
other welding equipment							1								1						2	other welding equipment
kiln, caldron		3	1	1	2	1	1					1			2	2		1		1	16	kiln, caldron
industrial dryer		1	1	2			1	1				2	1					1			10	industrial dryer
other kiln, caldron															1		1				2	other kiln, caldron
transmission		1	1	2																	4	transmission
electric power facilities						1		1			1										3	electric power
other electrical equipment		1		2	1	1		1	1								1				8	other electrical equipment
human power cranes		1		1					1						1				1		5	human power cranes
human power		23	23	19	19	8	11	8	16	12	14	13	16	14	8	16	10	15	11	4	260	human power hauling equipment
human power		2	1	1		1				1		1		1					1		9	human power machine
hand tool		24	16	14	12	14	9	7	3	4	9	4	5	2	4	3	4	6	7	9	156	hand tool
ladder		42	33	20	28	28	32	20	14	22	15	22	13	25	17	11	25	12	15	17	411	ladder
slinging tool		1	1	1	1		1	2	2		1		1			2		1	1		15	slinging tool
other tools		22	19	21	24	19	11	21	14	15	12	12	11	12	12	13	12	18	13	11	292	other tools
other equipment,																						other equipment,

facilities	1	8	10	10	13	11	14	6	10	10	12	15	8	7	17	7	9	7	5	5	194	facilities
scaffolding			1				1		1		1	1	1	1				1	2	1	11	scaffolding
timbering																						timbering
stairs, landing stage	1	19	15	20	26	17	10	13	12	4	11	12	13	8	5	18	12	10	16	6	247	stairs, landing stage
opening	4	ļ	1	1	2		1		3			1	5		2	1	1	1			23	opening
roof, beam, haze, crossbeam, principal rafter	1		7	4	1	1	2	2	2	1	1	4	1	2	2	1	2		1		35	roof, beam, haze, crossbeam, principal rafter
working platform,	1	17	24	17	18	17	18	11	13	12	14	17	9	15	16	13	10	12	7	8	268	working platform, boot board
passage	5	52	39	36	41	26	35	28	20	32	32	30	28	43	35	26	40	34	30	32	639	passage
building, establishment	1	15	11	8	6	8	6	10	8	3	5	4	5	4	3	6	9	5	5	9	130	building, establishment
other temporary buildings, establishments	1	12	10	6	5	8	6	5	4	3	5	4	8	2	5	7	6	1	4	4	105	other temporary buildings, establishments
explosive substance				1																	1	explosive substance
inflammable substance			1	1				1	1	1	1				1						7	inflammable substance
inflammable gas																						inflammable gas
harmful substance	8	3	8	4	4	1		4	1	2	7	8	2	4	3		2		1	1	60	harmful substance
radiation																						radiation
other hazards,	5	5	2	5	1	3	4	4	2	3	2	4	2	3	3	1	2	2	4	3	55	other hazards,

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metal material	1	0		8	4	10	7	4	8	2	6	9	5	7	4	4	4	4	6	7	8	117	metal material
lumber, bamboo				4	3	1	2	1				1	1		1	2		3	1	1	2	23	lumber, bamboo
stone, sand, substance				1		1													1			3	stone, sand, substance
other materials	1	1		14	11	15	8	10	4	9	11	9	7	6	12	4	12	6	8	4	5	166	other materials
load	3	88		29	28	27	21	16	25	11	19	18	18	13	11	18	18	14	23	10	13	370	load
machine/equipment as load	3	3		2	3	4	1	4			2	1	1	1		1	2	2	3			30	machine/equipment as load
natural ground,									1						1							2	natural ground, rock
standing tree						2			1											1		4	standing tree
water	1				1	2					2				1	1	1					9	water
abnormal environment														1								1	abnormal environment
high/cold temperature environment	3	3		2	1	1	1	2		2	1		1	4	1	1	1	3	3	1	3		high/cold temperature environment
other environments	2	2		1	3	4	1	3	1	3	6	2	1	4			2	3	3	2	1	42	other environments
other causal agent	1	12		1	1	5	5	4	2		1	2	4	1	3	3	3		3	6	16	72	other causal agent
no causal agent	1	5		12	10	13	19	12	11	11	15	9	14	11	10	12	19	15	19	13	12	252	no causal agent
unclassifiable	4	ŀ			1	2							3						8			18	unclassifiable
total	7	744		624	525	537	433	426	387	334	345	362	361	344	330	330	358	359	348	282	286	7,715	total

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	22	21	14	15	10	8	9	4	13	8	2	7	3	6	8	5	4	8	4	5	7	5	4	192	19 years old or less
20-29	89	79	84	87	65	56	55	52	50	47	39	38	34	39	37	48	40	47	46	47	38	31	44	1,192	20-29
30-39	94	94	83	85	90	94	69	88	58	76	67	62	63	53	54	46	50	37	62	53	59	42	38	1,517	30-39
40-49	149	139	125	134	91	79	85	82	62	71	75	48	57	61	72	62	86	66	66	77	82	64	72	1,905	40-49
50-59	352	313	310	264	245	206	195	199	142	137	99	85	101	82	92	77	62	90	77	74	64	58	78	3,402	50-59
60 years old or more	154	113	128	103	123	89	112	112	108	87	105	94	87	121	98	106	88	82	103	103	98	82	50	2,346	60 years old or more
total	860	759	744	688	624	532	525	537	433	426	387	334	345	362	361	344	330	330	358	359	348	282	286	10,554	total

Workers' number of workplace of fatal and non-fatal accidents in textile products 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	151	156	152	142	142	126	104	122	81	75	90	64	66	75	60	72	59	38	67	53	54	34	31	2,014	9 workers or less
10-29	278	220	249	218	175	146	162	155	129	112	98	92	89	110	94	90	96	99	87	88	108	74	81	3,050	10-29
30-49	139	117	133	118	113	85	85	84	80	74	64	62	64	66	80	59	65	64	54	66	61	55	61	1,849	30-49
50-99	127	122	95	104	101	85	81	84	61	62	54	61	65	68	58	62	56	65	62	86	70	64	57	1,750	50-99
100-299	131	127	96	97	89	79	87	83	76	95	65	45	53	41	59	54	43	55	82	57	50	49	51	1,664	100-299
300 workers or	34	17	19	9	4	11	6	9	6	8	16	10	8	2	10	7	11	9	6	9	5	6	5	227	300 workers or
more																									more
total	860	759	744	688	624	532	525	537	433	426	387	334	345	362	361	344	330	330	358	359	348	282	286	10,554	total

## Month of fatal and non-fatal accidents in textile products 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	69	58	65	67	52	50	46	53	31	33	33	33	37	34	37	37	30	26	35	28	32	22	27	935	January
February	76	75	59	63	45	50	48	55	33	45	42	24	25	25	24	27	27	23	32	30	39	32	23	922	February
March	80	77	68	52	35	48	44	44	30	44	26	28	47	37	20	22	26	35	42	39	29	31	25	929	March
April	72	68	61	71	54	39	38	46	37	46	31	33	20	34	39	31	24	24	30	24	23	33	15	893	April
May	77	61	68	58	62	38	41	40	39	29	35	21	20	33	42	21	27	25	25	32	25	15	27	861	May
June	81	50	80	54	53	44	53	49	41	33	38	22	28	38	29	30	21	38	32	28	31	21	25	919	June
July	67	51	72	46	67	53	44	40	33	32	31	32	33	29	39	27	36	35	26	33	29	14	28	897	July
August	68	69	59	45	41	48	39	50	41	29	33	30	25	27	23	29	27	25	31	27	20	16	36	838	August
September	78	55	61	54	44	44	38	41	35	28	28	26	24	20	29	37	29	25	23	29	28	23	27	826	September
October	64	77	56	60	56	51	39	38	41	42	26	26	25	22	33	32	26	22	27	30	28	26	20	867	October
November	67	57	53	56	58	31	42	37	35	35	34	36	35	21	20	26	22	32	35	21	29	23	12	817	November
December	61	61	42	62	57	36	53	44	37	30	30	23	26	42	26	25	35	20	20	38	35	26	21	850	December
total	860	759	744	688	624	532	525	537	433	426	387	334	345	362	361	344	330	330	358	359	348	282	286	10,554	total

# Prefecture of fatal and non-fatal accidents in textile products 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	2	6	5		4		3	3	2	3	6	4	1	1	4	8	2	10	3	2	5	5	5	84	Hokkaido
Aomori								1					1					1						3	Aomori

lwate	1	3	1		1	1					1			3	2	2	2	4	4	1	2	28	lwate
Miyagi	5	2		2	1	2			3		3	1		1	3	3	1	4	3	3	2	39	Miyagi
Akita		1			1							1		1						1		5	Akita
Yamagata	6	5	9	2	4	4	3	3	2		2	2	2	2	3	2	1	3	2	1	6	64	Yamagata
Fukushima	2	2	4	2	3	5	4	2	2			4	1	2	1	1	3					38	Fukushima
Ibaraki	2	3	10	3	6	5	3	3	3	3	2	1	1	2	1	1	5	6	6	3	1	70	lbaraki
Tochigi	12	11	7	7	4	6	8	8	3	6	2	8	6	2	3	6	2	5	7	3	7	123	Tochigi
Gunma	13	13	12	15	3	5	3	4	4	6	6	9	2	3	10	3	6	1	3	5	1	127	Gunma
Saitama	16	12	10	13	18	11	14	9	7	5	1	12	15	8	6	14	7	8	7	7	6	206	Saitama
Chiba	3	1	1	1	3	3	4	2	2	2	3	2	1	2	1	3	2	3	1	4	2	46	Chiba
Tokyo	8	6	8	5	8	8	2	3	5	1		2	6	6	2	3	2	5	5	2	2	89	Tokyo
Kanagawa	5	4	4	3	2	1	2	2	5	1	5	3	3	3	5	2	1	5		3	2	61	Kanagawa
Niigata	24	22	20	15	13	8	9	11	14	11	14	8	5	9	10	10	11	15	9	14	12	264	Niigata
Toyama	17	10	12	10	14	6	8	6	7	9	14	10	7	8	3	3	6	6	9	8	7	180	Toyama
Ishikawa	32	32	29	31	31	36	19	30	19	19	13	19	14	24	28	20	31	24	24	21	15	511	Ishikawa
Fukui	56	57	48	33	39	37	31	39	27	28	33	28	29	29	34	37	37	36	38	21	26	743	Fukui
Yamanashi	3	4	3	1	1	3	2		1		2	1				2		1			1	25	Yamanashi
Nagano	6	3	2			1	1	2	1	1	1			1	2	1	1		1	1		25	Nagano
Gifu	42	34	20	24	14	19	19	23	12	14	17	13	19	13	5	8	17	20	11	17	12	373	Gifu
Shizuoka	43	28	28	31	24	28	20	17	14	11	10	13	16	9	12	14	12	18	7	5	7	367	Shizuoka
Aichi	150	98	118	90	95	78	64	64	57	61	45	59	76	40	53	32	31	57	32	38	33	1,371	Aichi
Mie	15	12	18	9	10	5	11	5	10	6	2	3		7	5	1	4	2	8	3	3	139	Mie
Shiga	24	23	21	32	12	16	16	19	10	11	14	15	15	15	15	7	17	22	17	10	25	356	Shiga

Kyoto	52	43	43	32	33	34	19	27	29	12	11	16	13	12	20	11	22	9	19	7	11	475	Kyoto
Osaka	107	124	113	106	59	80	66	55	56	49	46	46	41	47	28	43	38	38	43	24	31	1,240	Osaka
Hyogo	35	31	29	15	12	13	10	6	10	8	15	10	12	9	7	13	12	5	11	5	7	275	Hyogo
Nara	14	14	16	7	8	8	5	1	7	3	4	8	6	3	4	3	5	3	6	4	9	138	Nara
Wakayama	37	35	30	28	26	22	8	14	12	11	14	5	13	15	11	11	16	5	10	8	6	337	Wakayama
Tottori	1				1		1	1		1	1	3				1	2	2	1	1		16	Tottori
Shimane	3	8	2	2	1	3	4	5	1			2	2	1	1	1	2	2	1	2	2	45	Shimane
Okayama	19	20	26	18	18	22	19	17	14	8	11	9	9	11	15	14	14	7	10	7	10	298	Okayama
Hiroshima	18	18	19	16	10	11	14	8	5	8	10	5	6	6	6	8	13	6	11	4	8	210	Hiroshima
Yamaguchi	3	4	2	1		2	1	3	2	2		5	2	3		2	3	1	1	2	1	40	Yamaguchi
Tokushima	5	2	8	1	2	1	1	1		2		3		1			1	1	1		1	31	Tokushima
Kagawa	2	3	8	2	2	3	4	2	1	5	6	3	2	5		3	1	4	2	3	1	62	Kagawa
Ehime	36	31	28	24	14	19	17	15	14	14	15	10	14	13	13	14	13	12	8	10	8	342	Ehime
Kochi		4	4	2	4	2		3	3	1	4	1	3	2				3	4	3	1	44	Kochi
Fukuoka	10	7	6	12	11	6	7	5	8	3	7	5	6	2	4	2	2	3	3	14	3	126	Fukuoka
Saga	3	4	2	4	1	3	3	2		2	4	1	2	1	2	2			2		1	39	Saga
Nagasaki	5	3	2		1	1	1		2			4			3	3	2	1	3	2	2	35	Nagasaki
Kumamoto	3	2	4	8	2	5	2	2	4	2	2	3	2	7	7	4	4	6	6	6	3	84	Kumamoto
Oita	2	2	6	3	1	1			1	1	1		1	3				1		2	1	26	Oita
Miyazaki	8	6	4	4	2	3		1	1	2	1	7	3	4	2	3	3	2	6	1	2	65	Miyazaki
Kagoshima	9	6	2	6	7	6	5	3	3	1	1		1	1	1	6	3	1	1		1	64	Kagoshima
Okinawa	1						1					1	1							1		5	Okinawa
total	860	759	744	624	525	537	433	426	387	334	345	362	361	344	330	330	358	359	348	282	286	9,334	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)

Return to <a href="https://www.jisha.or.jp/english/statistics/2021e\_industry.html">https://www.jisha.or.jp/english/statistics/2021e\_industry.html</a>

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Fatal accidents in textile products in Japan in 1999-2021

textile products industry Code No.0102

Type of fatal accidents in textile products 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		1	1				1		1			1	1			2						10	fall from height
falling to same level							1											1						2	falling to same
luming to sume level																		_							level
crash																									crash
struck by flying or								1																1	struck by flying
falling object								1																	or falling object
collapse																									collapse
crashed by		1																						1	crashed by
caught in/between	1	5	1	1		2	2	1	2	1	2		2	2	1	1		1	1	1	1	1	1	30	caught
caught my between							_																		in/between

l												 												
cut																								cut
injury to the sole of																								injury to the sole
the foot																								of the foot
drown												1											1	drown
contact to high/low-																								contact to
temperature	1						1																2	high/low-
ļ																								temperature
contact to harmful																								contact to
substance				4																			4	harmful
																								substance
electric shock																								electric shock
explosion																								explosion
burst			1																				1	burst
fire				1												1				4			6	fire
traffic accident (public			1			1																	2	traffic accident
road)			I			I																	2	(public road)
traffic a scident (athors)																								traffic accident
traffic accident (others)																								(others)
reaction to																								reaction to
motion/improper																								motion/improper
motion																								motion
others						1						1											2	others
unclassifiable																								unclassifiable
total	3	7	3	7	1	4	4	2	3	1	3	4	3	2	1	1	4	1	1	5	1	1	62	total

# Causal agents (large) of fatal accidents in textile products 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	5	1			1		1	1		2		2	2	1	1			1	1	1	1	1	23	machine
crane, conveying machine		2	1	1		2	3	1	1	1					1			1						14	crane, conveying machine
other equipment	1		1				1		1		1			1				1						7	other equipment
temporary buildings, establishments	1			1	1													2						5	temporary buildings, establishments
substance, material				5		1											1							7	substance, material
load																									load
environment													2											2	environment
others																					4			4	others
total	3	7	3	7	1	4	4	2	3	1	3		4	3	2	1	1	4	1	1	5	1	1	62	total

Causal agents (middle) of fatal accidents in textile products in 1999-2021

																									Causal (M)	
Causal (M) agents	1999	2000 2	2001 2	2002 2	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total		

																						agents
engine																						engine
power transmission mechanism					1								1								2	power transmission mechanism
woodworking machine																						woodworking machine
construction machine																						construction machine
metal manufacturing machine																						metal manufacturing machine
general machine	1	5	1				1	1		2	2	2		1		1	1	1	1	1	21	general machine
mobile silviculture machine																						mobile silviculture machine
crane							1						1		1						3	crane
conveying machine		1	1	1	1	3		1	1												9	conveying machine
vehicle		1			1																2	vehicle
pressure vessel	1		1																		2	pressure vessel
chemical facilities																						chemical facilities

welding equipment																	welding
																	equipment
kiln, caldron						1										1	kiln, caldron
electric equipment																	electric equipment
human power machine,																	human power
tools							1	1					1			3	tools
other equipments,										1						1	other equipments, facilities
temporary buildings, establishments	1		1	1									2			5	temporary buildings, establishments
hazards, harmful substances			4													4	hazards, harmful substances
materials			1		1							1				3	materials
load																	load
natural environment									2							2	natural environment
other causal agent																	other causal agent
no causal agent																	no causal agent

		<u> </u>	<u> </u>									<u> </u>			$\sqsubseteq$	$\sqsubseteq$		$\sqsubseteq$	$\sqsubseteq$					
unclassifiable																				4			4	unclassifiable
total	3	7	3	7	1	4	4	2	3	1	3	4	3	2	1	1	4	1	1	5	1	1	62	total

Causal agents (small) of fatal accidents in textile products 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									1									2	power transmission mechanism
circular sawing machine																									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 milling machine																									chamfering machine, router, woodworking 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												other metal
manufacturing												manufacturing

machines																			machines
centrifugal machine						1												1	centrifugal machine
mixer, grinder																			mixer, grinder
roll machine (except printingroll machine)										1			1			1	1	4	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	5	1				1	2	2	1	1			1	1			16	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

	 			 					 	 		 	 	 	 		4
elevator, lift						1					1					2	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		1														1	truck
forklift	1		1		2		1	1								6	forklift
railway equipment																	railway equipment
conveyor				1	1											2	conveyor
loader																	loader
straddle carrier																	straddle carrier
rough terrain hauler																	rough terrain hauler
other powered																	other powered
conveying machines																	conveying machines
cars, bus,	1			1												2	cars, bus,
motorcycle																2	motorcycle
railway vehicle																	railway vehicle
other vehicles																	other vehicles

		$\Box$		 	$\Box$	 $\Box$	<u> </u>	 	 		$\square$	 	$\Box$	 		
boiler																boiler
pressure vessel	1		1												2	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					1										1	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						1	1				1			3	ladder
slinging tool															slinging tool
other tools															other tools
other equipment,									1					1	other equipment,
scaffolding															scaffolding
timbering															timbering
stairs, landing stage															stairs, landing stage
opening											1			1	opening
roof, beam, haze, crossbeam, principal rafter															roof, beam, haze, crossbeam, principal rafter
working platform,															working platform, boot board
passage											1			1	passage
building, establishment	1		1	1										3	building, establishment
other temporary buildings, establishments															other temporary buildings, establishments
explosive substance															explosive substance

inflammable														inflammable
substance														substance
inflammable gas														inflammable gas
harmful substance		4											4	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		1	1						1				3	other materials
load														load
machine/equipment														machine/equipment
as load														as load
natural ground,														natural ground,
rock														rock
standing tree														standing tree
water							2						2	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																				4			4	unclassifiable
total	3	7	3	7	1	4	4	2	3	1	3	4	3	2	1	1	4	1	1	5	1	1	62	total

Workers age of fatal accidents in textile products 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											2	19 years old or less
20-29		2				1															2			5	20-29
30-39		1					1																1	3	30-39
40-49	1			2			1	1		1	1													7	40-49
50-59	1	3	2	5	1	1	2	1	1		1		1	1			1	1	1		2	1		26	50-59
60 years old or	1		1			2			2		1		2	2	2	1		3		1	1			19	60 years old or
more																								II I	more
total	3	7	3	7	1	4	4	2	3	1	3		4	3	2	1	1	4	1	1	5	1	1	62	total

Workers' number of workplace of fatal accidents in textile products 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		2	1	1		1	1		1		1							1				11	9 workers or less
10-29	1	1	1	1			4	1	2		1		2			1		2			1			18	10-29

30-49		2	1									1	1	2		1		1				1	10	30-49
50-99				1		2				1			2				2			3	1		12	50-99
100-299		2		3		1																	6	100-299
300 workers or	1	1	1								1									1			5	300 workers or
more			ľ								•													more
total	3	7	3	7	1	4	4	2	3	1	3	4	3	2	1	1	4	1	1	5	1	1	62	total

## Month of fatal accidents in textile products 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		1											1						1	1	1			5	January
February		2									2			1										5	February
March		2		1					1	1			2	1			1	1					1	11	March
April	1		1	1		2	1											1						7	April
May						1												1						2	May
June		1	1	4																	4			10	June
July	1																							1	July
August	1	1					1							1										4	August
September			1				1	1	1						1	1								6	September
October					1	1																		2	October
November				1			1	1							1			1						5	November
December									1		1		1									1		4	December
total	3	7	3	7	1	4	4	2	3	1	3		4	3	2	1	1	4	1	1	5	1	1	62	total

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													1											1	lwate
Miyagi													1					1						2	Miyagi
Akita																									Akita
Yamagata																									Yamagata
Fukushima																									Fukushima
Ibaraki																									Ibaraki
Tochigi																									Tochigi
Gunma																									Gunma
Saitama							1																	1	Saitama
Chiba																									Chiba
Tokyo																									Tokyo
Kanagawa																									Kanagawa
Niigata																									Niigata
Toyama																									Toyama
Ishikawa				1				1			1													3	Ishikawa
Fukui		2													1			1			5			9	Fukui
Yamanashi				1									1											2	Yamanashi

Nagano																							Nagano
Gifu	1																					1	Gifu
Shizuoka		1				1			1		1											4	Shizuoka
Aichi	1										1		2	1			1		1		1	8	Aichi
Mie																							Mie
Shiga	1	1	1									1	1							1		6	Shiga
Kyoto																		1				1	Kyoto
Osaka		2			1	1	2		2							1	1					10	Osaka
Hyogo																							Hyogo
Nara						1																1	Nara
Wakayama						1	1								1							3	Wakayama
Tottori																							Tottori
Shimane																							Shimane
Okayama			1					1														2	Okayama
Hiroshima																							Hiroshima
Yamaguchi																							Yamaguchi
Tokushima																							Tokushima
Kagawa																							Kagawa
Ehime		1	1	1																		3	Ehime
Kochi																							Kochi
Fukuoka				4																		4	Fukuoka
Saga										1												1	Saga
Nagasaki																							Nagasaki

Kumamoto																								Kumamoto
Oita																								Oita
Miyazaki																								Miyazaki
Kagoshima																								Kagoshima
Okinawa																								Okinawa
total	3	7	3	7	1	4	4	2	3	1	3	4	3	2	1	1	4	1	1	5	1	1	62	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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