Fatal and non-fatal accidents in fire resisting products in Japan in 1999-2021

fire resisting products industry Code No.010904

Type of accidents in fire resisting 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	5	6	2	5	5	9	2	10	2	3	2	3	2	4	4	4	1	4	5	3	5	2	5	93	fall from height
falling to same level	3	5	7	7	3	4	7	3	2	4	4	3	2	2	4	3	2	6	7	3	2	3	6	92	falling to same level
crash	2	3	5	2	5	3		5	2	2			1	1			1	1	2	2			1	38	crash
struck by flying or falling object	8	8	10	5	3	4	1	1	5	6	1	4	4	2	4	2		3	2	2	4	1	1	81	struck by flying or falling object
collapse		2	1		1	2		1	2	1			1		2	1		1		1		1		17	collapse
crashed by	4	4	1	1	1		2		1	1	2	4			2		1	1	1	2	1			29	crashed by
caught in/between	23	23	18	14	18	11	20	10	13	14	9	10	8	11	9	14	8	6	11	7	5	7	3	272	caught in/between
cut	1	2	2	2	3	3		1	1	3	1			1		1	2					1		24	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	3		2		1	1	1	2	2		1	1				1			1	1	1	1	20	contact to high/low- temperature

contact to harmful substance										2	1			1							1			5	contact to harmful substance
electric shock	1																							1	electric shock
explosion		2						2										1						5	explosion
burst																									burst
fire																									fire
traffic accident (public road)			2	8					1							1		1			1			14	traffic accident (public road)
traffic accident (others)																									traffic accident (others)
reaction to motion/improper motion	3	3	3	1	2	1		6	4	2	1	1	3	4	2	6	3	2	1	4	6		3	61	reaction to motion/improper motion
others							1								1	2		1			3	2		10	others
unclassifiable									1			1												2	unclassifiable
total	51	62	51	47	41	38	34	40	36	40	21	27	22	26	28	34	19	27	29	25	29	18	20	765	total

Causal agents (large) of fatal and non-fatal accidents in fire resisting products in 1999-2021

Causal (L) agents	1000	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	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	totai	agents
machine	19	18	11	7	17	13	13	8	10	15	5	3	4	5	9	7	4	1	9	7	3	6	1	195	machine
crane, conveying																									crane,

machine	11	18	15	23	11	4	9	6	7	3	5	9	3	7	7	9	6	6	4	4	3	1	3	174	conveying
macrime																									machine
other equipment	5	9	4	5	7	6	1	5	6	12	3	4	4	3	4	6	1	4	4	4	10	2	5	114	other
other equipment	3			5	,		1			12	3			3	4			4						114	equipment
to many a many la vil dina ma																									temporary
temporary buildings, establishments	2	6	8	6	5	7	5	8	3	3	3	6	3	5	3	5	4	10	9	4	3	3	7	118	buildings,
establishments																									establishments
substance, material	11	8	9	3		E	2	8	6	5	5	1	5	1	1	2	1	3	2	2	1	3	1	85	substance,
substance, material		6		3		3		0		5				ľ				3				3		65	material
load	1	1	3	3		1	1	3	2	2		1	1	3	2	1	1	1		3		1		31	load
environment	1	2					1		1			1		1			1	1		1			1	11	environment
others	1		1		1	2	2	2	1			2	2	1	2	4	1	1	1		9	2	2	37	others
total	51	62	51	47	41	38	34	40	36	40	21	27	22	26	28	34	19	27	29	25	29	18	20	765	total

Causal agents (middle) of fatal and non-fatal accidents in fire resisting 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																									engine
power transmission mechanism	3	2	1			2	1			1			1		1	2	1	1	2	1				19	power transmission mechanism
woodworking machine	2				1	1			2								1		1			1		9	woodworking machine

construction machine		1							1															2	construction machine
metal manufacturing	1	3	3		1	1	2	2	2	3	1	1	1	2			1		2	1		1	1	29	metal manufacturing
machine																									machine
general machine	12	12	7	7	15	9	10	6	5	11	4	2	2	3	8	5	1		4	5	3	4		136	general
general machine	13	12			15	9	10	В	5		4	2		3	8)	I		4	3	3	4		130	machine
mobile silviculture																									mobile
machine																									silviculture
																									machine
crane	2		3	1			2	1	1		1	3		2	1				1	1	1		1	21	crane
conveying machine	9	18	9	14	9	4	7	4	6	3	4	6	3	5	5	8	6	5	3	3	1	1	2	135	conveying
																									machine
vehicle			3	8	2			1							1	1		1			1			18	vehicle
pressure vessel																					1			1	pressure vessel
chemical facilities																									chemical
																									facilities
welding equipment		1																						1	welding
3 141																									equipment
kiln, caldron		2						2			3					2		2						11	kiln, caldron
electric equipment																									electric
erectire equipment																									equipment
human power machine,	1		1	3	4	3				4		1		2			1				2	1		23	human power
tools																									machine, tools
il .																									

tools	1	6	2	2	2	3	1	3	5	5		1	1	1	3	3		2	4	3	6	1	5	60	tools
other equipments,	3		1		1				1	3		2	3		1	1				1	1			18	other equipments, facilities
temporary buildings, establishments	2	6	8	6	5	7	5	8	3	3	3	6	3	5	3	5	4	10	9	4	3	3	7	118	temporary buildings, establishments
hazards, harmful substances			2	1			1	1		2	1		1											9	hazards, harmful substances
materials	11	8	7	2		5	1	7	6	3	4	1	4	1	1	2	1	3	2	2	1	3	1	76	materials
load	1	1	3	3		1	1	3	2	2		1	1	3	2	1	1	1		3		1		31	load
natural environment	1	2					1		1			1		1			1	1		1			1	11	natural environment
other causal agent							2					1				1					2	2		8	other causal agent
no causal agent	1		1		1	2		2				1	2	1	2	3	1	1	1		7		2	28	no causal agent
unclassifiable									1															1	unclassifiable
total	51	62	51	47	41	38	34	40	36	40	21	27	22	26	28	34	19	27	29	25	29	18	20	765	total

Causal agents (small) of fatal and non-fatal accidents in fire resisting 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		1		1	1	2	1	1	2	1		12	power transmission mechanism
circular sawing machine			1		1						1				1	4	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					1								1			2	other woodworking machines
leveling, transporting or loading machine																	leveling, transporting or loading machine
excavating machine																	excavating machine
foundation work machine																	foundation work

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hardening machine																						hardening machine
demolition machine																						demolition machine
vehicle for high lift work																						vehicle for high lift work
other construction machines							1														1	other construction machines
lathe																	1				1	lathe
drill press, milling machine			1				1													1	3	drill press, milling machine
grinding machine, buffing machine		1				1		1				1					1				5	grinding machine, buffing machine
power press		1			2	1		2	1	1	1	1			1			1	1		13	power press
forging pressure hammer																						forging pressure hammer
shearing machine																						shearing machine
other metal manufacturing machines		1					1														2	other metal manufacturing machines
centrifugal machine																						centrifugal machine
mixer, grinder		1	4		3	2		2	2	1			2	2			1		1		21	mixer, grinder
roll machine (except printingroll machine)			1		1									1							3	roll machine (except printingroll machine)
injection molding																						injection molding

machine		1									2	1			1		1			6	machine
food manufacturing machine																					food manufacturing machine
printing machine																					printing machine
industrial robot				1													1			2	industrial robot
other general power machines		5	10	5	4	5	9	2	1	2	1	5	2	1	2	5	1	3		63	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	1	1		1	3		2	1			1	1	1		1	16	crane
mobile crane																					mobile crane
derrick crane																					derrick crane
elevator, lift		1																		1	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		1							1	6	truck
forklift		3	5	5	1	3	1	1	3	1		2		1	2		1	1			30	forklift
railway equipment																						railway equipment
conveyor		2	2	2	2		1	2	2	2	4	2	6	4	2	3	2		1	1	40	conveyor
loader									1												1	loader
straddle carrier																						straddle carrier
rough terrain hauler																						rough terrain hauler
other powered conveying machines		3	2		1	2		1				1	1	1	1						13	other powered conveying machines
cars, bus, motorcycle		3	2		1							1	1		1			1			10	cars, bus, motorcycle
railway vehicle																						railway vehicle
other vehicles																						other vehicles
boiler																		1			1	boiler
pressure vessel																						pressure vessel
other pressure vessels																						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								3					2		1						6	kiln, caldron
industrial dryer					2										1						3	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		1	1				2		1		2							1	1		9	human power
hauling equipment																			<u> </u>			hauling equipment
human power																						human power
machine																						machine
hand tool			3				2							1				1			7	hand tool
ladder				1	3	2	2					1	1			1		3		4	18	ladder
slinging tool			1						1	1								1			4	slinging tool
other tools		2	1			3	3				1	2	2		2	3	3	2	1	1	26	other tools

other equipment,		1	1			1	3		2	3		1	1				1	1			15	other equipment,
scaffolding			1	1									2									scaffolding
timbering																						timbering
stairs, landing stage					2	1	1	1	2		1			1	2	1	1		1	1	15	stairs, landing stage
opening					1						1										2	opening
roof, beam, haze,																						roof, beam, haze,
crossbeam,			1													1				1	3	crossbeam,
principal rafter																						principal rafter
working platform, boot board		1	1	1	1				1				1			3					9	working platform, boot board
passage		4	1	3	2	2	1	1	1	3	1	2	1	2	5	2	1	1		4	37	passage
building, establishment		3					1		2		2	1		1	2	2		1	2		17	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				1																	1	inflammable gas
harmful substance		1					1			1											3	harmful substance
radiation																						radiation
other hazards,																						other hazards,

harmful substances		1			1		1	1													4	harmful substances
metal material		2		1	4	1	1	2	1	1			1		1	1		1	2		19	metal material
lumber, bamboo					1					1		1							1		4	lumber, bamboo
stone, sand, substance		1			1		2	1									1				6	stone, sand,
other materials		4			1	5		1		2	1		1	1	2	1	1			1	21	other materials
load		3			3	2			1	1	3	2	1	1	1		2		1		21	load
machine/equipment as load				1			2										1				4	machine/equipment as load
natural ground, rock																						natural ground,
standing tree																						standing tree
water																						water
abnormal environment																						abnormal environment
high/cold temperature environment						1			1					1			1			1	5	high/cold temperature environment
other environments				1							1				1						3	other environments
other causal agent				2					1				1					2	2		8	other causal agent
no causal agent		1	1		2				1	2	1	2	3	1	1	1		7		2	25	no causal agent
unclassifiable						1															1	unclassifiable
total		51	41	34	40	36	40	21	27	22	26	28	34	19	27	29	25	29	18	20	567	total

Workers age of fatal and non-fatal accidents in fire resisting 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	2	1	1	1	2				2			1		1	1		1						14	19 years old or less
20-29	9	9	5	7	3	6	5	3	5	4	4	3	4	6	4	3	4	4	4	3	4	2	2	103	20-29
30-39	8	11	9	8	9	7	6	17	9	8	7	5	3	4	7	8	5	5	5	3	7	5	5	161	30-39
40-49	9	10	11	9	8	5	7	2	5	10	2	2	5	5	4	9	2	6	8	5	7	2	6	139	40-49
50-59	12	25	22	16	13	7	9	17	10	10	5	10	4	4	5	4	6	4	3	10	4	5	3	208	50-59
60 years old or	12	5	3	6	7	11	7	1	7	6	3	7	5	7	7	9	2	7	9	4	7	4	4	140	60 years old or
more	12																							ll l	more
total	51	62	51	47	41	38	34	40	36	40	21	27	22	26	28	34	19	27	29	25	29	18	20	765	total

Workers' number of workplace of fatal and non-fatal accidents in fire resisting 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	8	12	5	2	9	5	3	1	8	7	2	3	1	2	2	1		2	6	1	4	2	2	88	9 workers or less
10-29	14	17	15	21	9	14	10	9	9	7	9	14	9	7	10	13	4	8	5	13	9	3	5	234	10-29
30-49	10	9	12	10	4	7	6	9	6	8	1	4	4	4	8	7	4	2	4	2	2	5	2	130	30-49
50-99	12	8	9	4	10	7	8	11	6	6	3	3	3	7	1	6	4	7	6	6	5	2	4	138	50-99
100-299	4	9	7	6	3	4	5	8	3	8	1	2	3	3	5	6	4	6	6	3	7	5	4	112	100-299
300 workers or more	3	7	3	4	6	1	2	2	4	4	5	1	2	3	2	1	3	2	2		2	1	3	63	300 workers or more
total	51	62	51	47	41	38	34	40	36	40	21	27	22	26	28	34	19	27	29	25	29	18	20	765	total

Month of fatal and non-fatal accidents in fire resisting 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	7	7	7	3	1	2	2	7	2	2	2	2	1	3	1	3	2	2	2	3	1		2	64	January
February	1	6	5	5	5	1	3	3	2	5	1	3	1	4	1	3	3	2	1	3	6	2		66	February
March	6	6	5	6	6	6	5	3	8	7	2		3	3	1	4		1	2		4	1	3	82	March
April	9	2	1	5	1	3	4	3	1	3	1	1	2	1	3	3	2	3	4	1	3	2	1	59	April
May	4	2	4	4	4	3	1	2	1	2	2	2	1			1	1	1	2	1	1	3	1	43	Мау
June	3	11	5	3	1	4	2	3	2	2	1	3	1	1	2	2	3	5	5	1	1	1		62	June
July	6	5	3	12	4	2	2	3	2	3		4	3	5	1	7	1	3	1	7	5		2	81	July
August	4	9	5	3	5	1	4	2	3	1		3	3	1	5	4	1	1	2	2		2	2	63	August
September	1	6	2		2	4	2	4	6	2	1	2	3		5	3	1	2	2	2	3		1	54	September
October	7	2	7	2	7	5	2	5	3	3	9	1		3	4	2	1	2	5		2		1	73	October
November	1	1	4	3	3	3	3	2	4	5	1	3	3	4	4		2	2	2	3	3	3	3	62	November
December	2	5	3	1	2	4	4	3	2	5	1	3	1	1	1	2	2	3	1	2		4	4	56	December
total	51	62	51	47	41	38	34	40	36	40	21	27	22	26	28	34	19	27	29	25	29	18	20	765	total

Prefecture of fatal and non-fatal accidents in fire resisting products in 1999-2021

Prefecture 1	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	1							4	1						1		1	1	1			12	Hokkaido
Aomori															1	1								2	Aomori

lwate	2																					2	Iwate
Miyagi		1	1		1												1					4	Miyagi
Akita		2	1							1								1				5	Akita
Yamagata			1																			1	Yamagata
Fukushima			1		2		2												1			6	Fukushima
Ibaraki		1			1		1							2			1					6	Ibaraki
Tochigi																							Tochigi
Gunma			1													1						2	Gunma
Saitama		1		4														1	1		1	8	Saitama
Chiba	2	5	4	1	1	1		1						1		1	1		1			19	Chiba
Tokyo	1					1	1			1		2		1								7	Tokyo
Kanagawa				1			1													1		3	Kanagawa
Niigata		1						1	1	1	1		2	1								8	Niigata
Toyama																							Toyama
Ishikawa		2	2			2		2		1	2		2	2	1	1	4	2	1	2	1	27	Ishikawa
Fukui				1				1														2	Fukui
Yamanashi																							Yamanashi
Nagano		1	1																			2	Nagano
Gifu	6	4	8	9	9	10	8	7	2	3	3	4	5	5	3	4	3	5	6		4	108	Gifu
Shizuoka		1	1		1	1	3	2	1	1	1	2				1	3	2	2	1	1	24	Shizuoka
Aichi	4	9	4	8	2	5	3	2	2	7	2	3	4	1	2	4	3	2	5	6	1	79	Aichi
Mie	2	1	3	2			3	2	1					1	1					2	1	19	Mie
Shiga			2																			2	Shiga

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total	51 62	2 51	41	34	40 36	40	21	27	22	26	28	34	19	27	29	25	29	18	20	680	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)

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

Fatal accidents in fire resisting products in Japan in 1999-2021

fire resisting products industry Code No.010904

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

caught in/between	1			1					1				3	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										1			1	explosion
burst														burst
fire														fire
traffic accident (public road)		1											1	traffic accident (public road)
traffic accident (others)														traffic accident (others)
reaction to motion/improper motion														reaction to motion/improper motion
others					1								1	others
unclassifiable														unclassifiable

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	total	1	1		1	2		1	2						2		1				11	total	

Causal agents (large) of fatal accidents in fire resisting 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)
machine							1																	1	machine
crane, conveying machine		1		1	2											1								5	crane, conveying machine
other equipment																1		1						2	other equipment
temporary buildings, establishments									1															1	temporary buildings, establishments
substance, material																									substance, material
load	1																							1	load
environment																									environment
others									1															1	others
total	1	1		1	2		1		2							2		1						11	total

Causal agents (middle) of fatal accidents in fire resisting 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																									engine
power transmission mechanism																									power transmission mechanism
woodworking machine																									woodworking machine
construction machine																									construction machine
metal manufacturing machine																									metal manufacturing machine
general machine							1																	1	general machine
mobile silviculture machine																									mobile silviculture machine
crane																									crane
conveying machine		1			1											1								3	conveying machine
vehicle				1	1																			2	vehicle
pressure vessel																									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														machine, tools
tools														tools
														other
other equipments,									1				1	equipments,
facilities														facilities
1 11														temporary
temporary buildings,					1								1	buildings,
establishments														establishments
hararde harmful														hazards,
hazards, harmful substances														harmful
substances														substances
materials														materials
load	1												1	load
														natural
natural environment														environment
														other causal
other causal agent														agent

no causal agent						1								1	no causal agent
unclassifiable															unclassifiable
total	1	1	1	2	1	2				2	1			11	total

Causal agents (small) of fatal accidents in fire resisting 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																									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				1									1	other general
power machines				I									ı	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			1										1	forklift
railway equipment														railway equipment
conveyor									1				1	conveyor
loader														loader
straddle carrier														straddle carrier
rough terrain hauler														rough terrain hauler
other powered													1	other powered
conveying machines	1												1	conveying machines
cars, bus,		1	1										2	cars, bus,
motorcycle		I	ľ											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									1			1	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,									1				1	other equipment,
facilities													I	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,														building,
establishment														establishment
other temporary														other temporary
buildings,					1								1	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	1												1	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						1								1	no causal agent
unclassifiable															unclassifiable
total	1	1	1	2	1	2				2	1			11	total

Workers age of fatal accidents in fire resisting 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																									19 years old or less
20-29				1			1									1								3	20-29
30-39		1														1		1						3	30-39
40-49	1								1															2	40-49
50-59					1				1															2	50-59
60 years old or					1																			1	60 years old or
more																								ľ	more
total	1	1		1	2		1		2							2		1						11	total

Workers' number of workplace of fatal accidents in fire resisting 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															9 workers or less
10-29										1				1	10-29
30-49		1	1			1								3	30-49
50-99	1				1									2	50-99
100-299				1						1	1			3	100-299
300 workers or				1		1								2	300 workers or
more				_		_									more
total	1	1	1	2	1	2				2	1			11	total

Month of fatal accidents in fire resisting products in 1999-2021

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
								1															1	January
																								February
				1																			1	March
1																							1	April
																								May
																								June
	1		1	1											1								4	July
																								August
																								September
						1											1						2	October
																								November
	1	1999 2000	1999 2000 2001	1999 2000 2001 2002	1999 2000 2001 2002 2003	1999 2000 2001 2002 2003 2004	1999 2000 2001 2002 2003 2004 2005 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1999 2000 2001 2002 2003 2004 2005 2006 1	1999 2000 2001 2002 2003 2004 2005 2006 2007 1 <	1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 1	1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 1	1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010	1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011	1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 1 <td< td=""><td>1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 </td><td>1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 </td><td>1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 </td><td>1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 </td><td>1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 </td><td>1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 </td><td>1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 </td><td>1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 1</td><td></td><td></td></td<>	1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013	1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014	1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015	1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016	1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017	1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018	1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019	1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 1		

December						1				1				2	December
total	1	1	1	2	1	2				2	1			11	total

Prefecture of fatal accidents in fire resisting 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		1																						1	Hokkaido
Aomori																									Aomori
lwate																									lwate
Miyagi																									Miyagi
Akita																									Akita
Yamagata																									Yamagata
Fukushima									1															1	Fukushima
Ibaraki																1								1	Ibaraki
Tochigi																									Tochigi
Gunma																									Gunma
Saitama																									Saitama
Chiba																1								1	Chiba
Tokyo																									Tokyo
Kanagawa																									Kanagawa
Niigata																									Niigata
Toyama																									Toyama
Ishikawa																									Ishikawa

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

Saga															Saga
Nagasaki															Nagasaki
Kumamoto															Kumamoto
Oita															Oita
Miyazaki															Miyazaki
Kagoshima															Kagoshima
Okinawa															Okinawa
total	1	1	1	2	1	2				2	1			11	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