

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

construction machine		1							1													2	construction machine		
metal manufacturing machine	1	3	3		1	1	2	2	2	3	1	1	1	2			1		2	1		1	1	29	metal manufacturing machine
general machine	13	12	7	7	15	9	10	6	5	11	4	2	2	3	8	5	1		4	5	3	4		136	general machine
mobile silviculture machine																									mobile 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 equipment
kiln, caldron		2						2			3					2		2						11	kiln, caldron
electric equipment																									electric equipment
human power machine, tools	1		1	3	4	3				4		1		2			1					2	1	23	human power machine, tools

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 silviculture machine																										other mobile 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 equipment, logging																										lumberyard equipment, logging

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, substance	
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, rock	
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 more	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
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	May
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	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

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