

Fatal and non-fatal accidents in painting products in Japan in 1999-2021

painting products industry Code No.010808

Type of accidents in painting 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	10	8	6	10	10	6	8	7	8	6	5	3	3	8	3	7	7	6	2	7	6	2	4	142	fall from height	
falling to same level	8	10	6	5	7	4	5	6	7	4	5	8	4	6	7	7	3	5	15	5	11	11	7	156	falling to same level	
crash			1	2	4	2	1	2	2	3	2	1	3		2	1	2	2		4	4	6	2	46	crash	
struck by flying or falling object	2	2	5	1	2	2	3	1	1	5	4	3	2	2	2	1				4	1		3	46	struck by flying or falling object	
collapse		1		1	1		1	1		1	2			1					1	1	1			12	collapse	
crashed by	2	2	1	3	2	1	4	2	2	3	1	1	2	1			1	3	2	2	2	2	4	43	crashed by	
caught in/between	19	18	14	11	17	14	12	17	8	11	10	12	12	6	5	12	16	12	7	7	10	7	12	269	caught in/between	
cut	2	1	8	3	4	3	3	6	3	1	2	2		2		1	1	2			2	2		48	cut	
injury to the sole of the foot				1																				1	injury to the sole of the foot	
drown																										drown
contact to high/low-temperature	3	3		4	1		2	1	1	1	2	1	1	1	1	1			1	2	3		4	33	contact to high/low-temperature	

machine									1								1						2	machine	
food manufacturing machine																								food manufacturing machine	
printing machine			2		1				1		1												5	printing machine	
industrial robot																								industrial robot	
other general power machines			5		3		4	6	2	1	4	2	6	3	3	3	3	1	3	2	2	3	6	62	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																								crane	
mobile crane																								mobile crane	
derrick crane																								derrick crane	
elevator, lift																								elevator, lift	
cargo lifting appliance																								cargo lifting appliance	
gondola																								gondola	
lumberyard equipment, logging																								lumberyard equipment, logging	

gas welding equipment																									gas welding equipment	
arc welding equipment																										arc welding equipment
other welding equipment																										other welding equipment
kiln, caldron																										kiln, caldron
industrial dryer										1															1	industrial dryer
other kiln, caldron																										other kiln, caldron
transmission										1															1	transmission
electric power facilities																										electric power facilities
other electrical equipment																										other electrical equipment
human power cranes																								1	1	human power cranes
human power hauling equipment			2		1		3			1		2	2			1	1	1	2		2			1	19	human power hauling equipment
human power machine									2								1								3	human power machine
hand tool					1		3	1	1	5	2	1	1	1	1		1	1		1	1				21	hand tool
ladder			1		3		1	1	3	2	1	1	1	3	3	5	4	2	1	5	4	1	1		43	ladder
slinging tool							1		2																3	slinging tool
other tools			1		2		1		1	1	1	1		1	2	1	1	4	2	2	5	3	1		30	other tools

harmful substances				1		1	2	2	1	2	1	1	2	1		1	2	1		2	1	1	22	harmful substances	
metal material			2			1	3		1	1		1			2				1	2	1	1	16	metal material	
lumber, bamboo													1										1	lumber, bamboo	
stone, sand, substance																								stone, sand, substance	
other materials			1			1	2				1				2				1				8	other materials	
load			9		9		1	7	6	6	3	3	7	5	1	2	3	2	4	9	6	5	7	95	load
machine/equipment as load						1					2	2				1							6	machine/equipment as load	
natural ground, rock																		1					1	natural ground, rock	
standing tree																				1			1	standing tree	
water																								water	
abnormal environment																			1				1	abnormal environment	
high/cold temperature environment					1					1		1		1						2	1		1	8	high/cold temperature environment
other environments								1	1			1	1	1	1			2					8	other environments	
other causal agent				2		1	1						1	2			1					9	17	other causal agent	
no causal agent			1		2		4	3	3	3	2	1	2	1	2		1		3	2	1	5	2	38	no causal agent
unclassifiable						1										1		1					3	unclassifiable	
total			50		54		49	53	47	43	41	42	35	38	25	37	38	38	34	41	49	41	62	817	total

Workers age of fatal and non-fatal accidents in painting 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	1	2	1	2		1				1		2		1		1	1		1	18	19 years old or less
20-29	8	7	11	7	13	7	9	13	8	6	6	5	5	7	4	11	10	7	4	12	10	11	12	193	20-29
30-39	11	18	11	11	12	13	8	16	13	10	17	9	11	8	9	9	9	8	6	4	12	7	15	247	30-39
40-49	13	10	9	11	8	9	8	10	8	10	5	15	9	7	4	6	9	9	8	13	13	7	13	214	40-49
50-59	17	17	14	16	18	9	14	8	15	9	10	7	8	10	5	4	6	8	10	7	9	10	13	244	50-59
60 years old or more	4	6	5	6	2	2	9	4	3	7	3	6	2	5	3	5	4	5	6	4	4	6	8	109	60 years old or more
total	54	59	50	53	54	42	49	53	47	43	41	42	35	38	25	37	38	38	34	41	49	41	62	1,025	total

Workers' number of workplace of fatal and non-fatal accidents in painting 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	5	9	5	5	7	6	2	8	8	5		5	4	3	3	5	1	5	5	1	2	1	2	97	9 workers or less
10-29	12	12	13	11	12	11	14	10	7	13	9	11	12	12	2	5	10	10	5	7	7	9	21	235	10-29
30-49	10	6	13	14	10	9	9	8	7	11	5	9	5	7	4	6	5	4	2	8	8	9	13	182	30-49
50-99	12	10	5	13	8	8	11	7	6	5	17	8	10	7	7	9	13	6	9	11	16	11	12	221	50-99
100-299	12	16	7	9	13	8	8	14	11	8	8	6	4	8	8	7	6	13	12	13	15	10	11	227	100-299
300 workers or more	3	6	7	1	4		5	6	8	1	2	3		1	1	5	3		1	1	1	1	3	63	300 workers or more

total	54	59	50	53	54	42	49	53	47	43	41	42	35	38	25	37	38	38	34	41	49	41	62	1,025	total
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Month of fatal and non-fatal accidents in painting 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	4	5	6	4	5	1	3	8	1	4	3	1	3	2	3	5	4	1	4	2		4	4	77	January
February	5	5	5	5	6		2	2	3	3	1	2	5	4	1	2	3	3	2	3	3	4	2	71	February
March	4	6	5	10	3	6	4	7	6	4	2	10	4	3	2	6	4	7	4	3	5	4	6	115	March
April	6	5	3	3	4	6	2	8	3	3	1	5	2	3	2	1	2	8	2	4	5	1	3	82	April
May	5	2	4	4	7	7	2	2	7	5	3	5	2	3	3	2	4	3	3	3	6	4	7	93	May
June	5	8	9	4	6	4	9	1	1	3	8	5	3	6	1	3	1	2	6	4	8	7	7	111	June
July	6	5	3	4	1	1	1	4	6	5	5	4		2	5	5	3	2	3	5	6	4	5	85	July
August	3	4	1	3	6	1	9	5	6	4	4	2	1	2	1	2	5	3	2	2	4	4	11	85	August
September	5	1	1	4	6	6	6	3	5	2	2	2	7	5	2	3	3	2	2	6	4	3	6	86	September
October	5	4	6	4	5	6	4	6	3	7	3	3	1	3	2	3	2	2	2	1	5	1	3	81	October
November	2	9	3	4	3	4	3	3	3	1	5	2	3	4		2	4	3	4	3	1	3	3	72	November
December	4	5	4	4	2		4	4	3	2	4	1	4	1	3	3	3	2		5	2	2	5	67	December
total	54	59	50	53	54	42	49	53	47	43	41	42	35	38	25	37	38	38	34	41	49	41	62	1,025	total

Prefecture of fatal and non-fatal accidents in painting 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								2	Hokkaido

Aomori																								Aomori	
Iwate																								Iwate	
Miyagi																								Miyagi	
Akita																								Akita	
Yamagata																								Yamagata	
Fukushima		1	2			1	1				2	2			2			1		1	2	9	24	Fukushima	
Ibaraki		2	1		2		1	5	2		1	1	1		2	1	2	4	3	1	1		1	31	Ibaraki
Tochigi	1	3	1		2			1	1	1		1	2	2		1	2			2	4		2	26	Tochigi
Gunma			2				1	2		2	1					1			1	1	2	2	2	17	Gunma
Saitama	8	10	7		7		11	7	7	9	8	4	4	10	1	8	6	5	4	5	12	8	8	149	Saitama
Chiba	1	4	7		5		1	2	7	5	2	6		2	4	1	1	2	1	1	3		5	60	Chiba
Tokyo	9	3	6		5		6	1	2		1	4	1	3	2	2	2		2	2	1		3	55	Tokyo
Kanagawa	1	3	1				3	1	2		1	2	4	5	2	1	3	4	1	2	1	3		40	Kanagawa
Niigata	1							3	1			1				1		2					2	11	Niigata
Toyama																1	1			1				3	Toyama
Ishikawa								1																1	Ishikawa
Fukui							1	1						1										3	Fukui
Yamanashi		1					1	1	1	1	4		1			1		1		1	3			16	Yamanashi
Nagano	2	1																						3	Nagano
Gifu					1		1				1	1	2	2		1	1	1		1	2		1	15	Gifu
Shizuoka	2		2		1		2	1		2		1			2	1		1			1		1	17	Shizuoka
Aichi	5	6	4		7		5	7	5	6	5	2	3	2	4	2	4	1	4	3	4	2	5	86	Aichi
Mie	1		1		1		2	1		2			2	1	1	2	1	4	2	4	2	2	2	31	Mie

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																	2	general machine
mobile silviculture machine																										mobile silviculture machine
crane																										crane
conveying machine							1																		1	conveying machine
vehicle																										vehicle
pressure vessel																										pressure vessel

																								agent
no causal agent																								no causal agent
unclassifiable																								unclassifiable
total			1				1	2	1														1	6 total

Causal agents (small) of fatal accidents in painting 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																									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																									chamfering machine, router, woodworking

shearing machine																							shearing machine
other metal manufacturing machines																							other metal manufacturing machines
centrifugal machine																							centrifugal machine
mixer, grinder		1					1															2	mixer, grinder
roll machine (except printingroll machine)																							roll machine (except printingroll machine)
injection molding machine																							injection molding machine
food manufacturing machine																							food manufacturing machine
printing machine																							printing machine
industrial robot																							industrial robot
other general power machines																							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

Fukuoka																								Fukuoka	
Saga																									Saga
Nagasaki																									Nagasaki
Kumamoto																									Kumamoto
Oita																									Oita
Miyazaki																									Miyazaki
Kagoshima																									Kagoshima
Okinawa																									Okinawa
total			1			1	2	1												1			6	total	

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

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