

Fatal and non-fatal accidents in metal mining in Japan in 1999-2021

metal mining industry Code No.020301

Type of accidents in metal mining 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		2		1	1	1	1			1	1									1				9	fall from height
falling to same level	1		2		1				2			1				1						1		9	falling to same level
crash	1		1			1																		3	crash
struck by flying or falling object	3	1		1		1		1				1						1			1			10	struck by flying or falling object
collapse		1	1		2		1					1												6	collapse
crashed by	1					1						1				1								4	crashed by
caught in/between	3				1	1	1			2				1							1			10	caught in/between
cut														1										1	cut
injury to the sole of the foot																									injury to the sole of the foot
drown						1																		1	drown
contact to high/low-temperature		1	1	1	1																			4	contact to high/low-temperature

contact to harmful substance																		1						1	contact to harmful substance	
electric shock																									electric shock	
explosion											1												1	explosion		
burst																									burst	
fire																									fire	
traffic accident (public road)				1			1								1		1							4	traffic accident (public road)	
traffic accident (others)																									traffic accident (others)	
reaction to motion/improper motion		2	2	1	1	1				1				1										9	reaction to motion/improper motion	
others				1																				1	others	
unclassifiable																									unclassifiable	
total	9	7	7	6	7	7	4	1	2	4	1	5		3	1	2	1	1	1	1	1	2	1		73	total

Causal agents (large) of fatal and non-fatal accidents in metal mining in 1999-2021

[illegible]

machine	3	1		1	2	1	1	1		3		1					1				1			16	conveying machine
other equipment	1	3	1		1		1												1					8	other equipment
temporary buildings, establishments			2			1			1			1				1					1			7	temporary buildings, establishments
substance, material	3		2	2	1	1	1		1									1	1		1			14	substance, material
load						1				1														2	load
environment	1	3	2	1	2	2					1	2												14	environment
others				1										1										2	others
total	9	7	7	6	7	7	4	1	2	4	1	5		3	1	2	1	1	1	1	2	1		73	total

Causal agents (middle) of fatal and non-fatal accidents in metal mining in 1999-2021

[illegible]

[illegible]

tools		1			1														1				3	tools	
other equipments, facilities	1	1																					2	other equipments, facilities	
temporary buildings, establishments			2			1			1			1				1					1		7	temporary buildings, establishments	
hazards, harmful substances					1													1					2	hazards, harmful substances	
materials	3		2	2		1	1		1								1			1			12	materials	
load						1				1													2	load	
natural environment	1	3	2	1	2	2					1	2											14	natural environment	
other causal agent				1																			1	other causal agent	
no causal agent														1									1	no causal agent	
unclassifiable																								unclassifiable	
total	9	7	7	6	7	7	4	1	2	4	1	5		3	1	2	1	1	1	1	2	1		73	total

Causal agents (small) of fatal and non-fatal accidents in metal mining in 1999-2021

[illegible]

engine																								engine
power transmission mechanism														1									1	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 machines																								other woodworking machines
leveling, transporting or loading machine							1																1	leveling, transporting or loading machine
excavating machine																								excavating machine
foundation work machine																								foundation work machine

[illegible]

machine																									machine
food manufacturing machine																									food manufacturing machine
printing machine																									printing machine
industrial robot																									industrial robot
other general power machines					1							1		1		1								4	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
elevator, lift																									elevator, lift
cargo lifting appliance																									cargo lifting appliance
gondola																									gondola
lumberyard equipment, logging																									lumberyard equipment, logging

[illegible]

[illegible]

harmful substances																									harmful substances
metal material								1											1					2	metal material
lumber, bamboo																									lumber, bamboo
stone, sand, substance			1				1										1							3	stone, sand, substance
other materials			1																					1	other materials
load									1															1	load
machine/equipment as load																									machine/equipment as load
natural ground, rock			1		2						1	1												5	natural ground, rock
standing tree												1												1	standing tree
water																									water
abnormal environment																									abnormal environment
high/cold temperature environment			1																					1	high/cold temperature environment
other environments																									other environments
other causal agent																									other causal agent
no causal agent														1										1	no causal agent
unclassifiable																									unclassifiable
total			7		7		4	1	2	4	1	5		3	1	2	1	1	1	1	2	1		44	total

Workers age of fatal and non-fatal accidents in metal mining 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	4	1	2	1	1	1						1									1			12	30-39
40-49	1	1	1	2	1	4	3			2				2		2	1		1					21	40-49
50-59	4	4	2	3	3	2		1	1		1	3		1	1			1			1			28	50-59
60 years old or more		1	1		2				1	1		1								1		1		9	60 years old or more
total	9	7	7	6	7	7	4	1	2	4	1	5		3	1	2	1	1	1	1	2	1		73	total

Workers' number of workplace of fatal and non-fatal accidents in metal mining 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	3		1						1		2									1			9	9 workers or less
10-29	4	1	1	1	5	3	4			1	1			2	1	1	1	1			1			28	10-29
30-49	1							1		1		1								1				5	30-49
50-99			1			1																		2	50-99
100-299	1	3	4	4	2	3						1												18	100-299
300 workers or more	2		1						2	1		1		1		1			1			1		11	300 workers or more
total	9	7	7	6	7	7	4	1	2	4	1	5		3	1	2	1	1	1	1	2	1		73	total

Month of fatal and non-fatal accidents in metal mining 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		2	1			1	1			1		1												7	January
February			1												1									2	February
March			1	1			1					2									1			6	March
April			1	1	2	1				1				1				1						8	April
May	1	1					1	1	1	1	1			1		1								9	May
June		1	1														1							3	June
July	1				2																			3	July
August	3											1								1		1		6	August
September	1	1			2	2				1														7	September
October		1	1	1		1								1										5	October
November	1	1		3	1	2			1										1					10	November
December	2		1				1					1				1					1			7	December
total	9	7	7	6	7	7	4	1	2	4	1	5		3	1	2	1	1	1	1	2	1		73	total

Prefecture of fatal and non-fatal accidents in metal mining in 1999-2021

[illegible]

[illegible]

[illegible]

total	9	7	7			7				4	1	2	4	1	5				3	1	2	1	1	1	1	2	1			60	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: <https://anzeninfo.mhlw.go.jp/user/anzen/tok/anst00.htm> (MHLW, Japan)

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

Fatal accidents in metal mining in Japan in 1999-2021

metal mining industry Code No.020301

Type of fatal accidents in metal mining in 1999-2021

[illegible]

[illegible]

[illegible]

Causal agents (large) of fatal accidents in metal mining in 1999-2021

[illegible]

Causal agents (middle) of fatal accidents in metal mining in 1999-2021

[illegible]

[illegible]

[illegible]

Causal agents (small) of fatal accidents in metal mining in 1999-2021

[illegible]

[illegible]

[illegible]

mobile crane																										mobile crane
derrick crane																										derrick crane
elevator, lift																										elevator, lift
cargo lifting appliance																										cargo lifting appliance
gondola																										gondola
lumberyard equipment, logging cableway																										lumberyard equipment, logging cableway
simple skyline yarding equipment																										simple skyline yarding equipment
other powered crane																										other powered crane
truck																										truck
forklift																										forklift
railway equipment																										railway equipment
conveyor																										conveyor
loader																										loader
straddle carrier																										straddle carrier
rough terrain hauler																										rough terrain hauler
other powered conveying machines																										other powered conveying machines
cars, bus, motorcycle																										cars, bus, motorcycle

human power hauling equipment																									human power hauling equipment
human power machine																									human power machine
hand tool																									hand tool
ladder		1																						1	ladder
slinging tool																									slinging tool
other tools																									other tools
other equipment, facilities																									other equipment, facilities
scaffolding																									scaffolding
timbering																									timbering
stairs, landing stage																									stairs, landing stage
opening																									opening
roof, beam, haze, crossbeam, principal rafter																									roof, beam, haze, crossbeam, principal rafter
working platform, boot board																									working platform, boot board
passage																									passage
building, establishment																									building, establishment
other temporary buildings,																									other temporary buildings,

[illegible]

[illegible]

Workers age of fatal accidents in metal mining in 1999-2021

[illegible]

Workers' number of workplace of fatal accidents in metal mining in 1999-2021

[illegible]

[illegible]

Saga																									Saga
Nagasaki																									Nagasaki
Kumamoto																									Kumamoto
Oita																									Oita
Miyazaki																									Miyazaki
Kagoshima																									Kagoshima
Okinawa																									Okinawa
total		3				1																		4	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