

Fatal and non-fatal accidents in other coal mining in Japan in 1999-2021

other coal mining industry Code No.020109

Type of accidents in other coal 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	1						1		2		2							1	1					8	fall from height	
falling to same level													1										1	2	falling to same level	
crash				1											1									2	crash	
struck by flying or falling object																			1					1	struck by flying or falling object	
collapse																										collapse
crashed by			1																					1	crashed by	
caught in/between	1	1			1			1			1		1	1	1		1							9	caught in/between	
cut																										cut
injury to the sole of the foot																										injury to the sole of the foot
drown																										drown
contact to high/low-temperature																										contact to high/low-temperature

construction machine	1							1														2	construction machine	
metal manufacturing machine																							metal manufacturing machine	
general machine																							general machine	
mobile silviculture machine																							mobile silviculture machine	
crane																							crane	
conveying machine		1			1			1			2			1	2	1						1	10	conveying machine
vehicle						1																	1	vehicle
pressure vessel																								pressure vessel
chemical facilities																								chemical facilities
welding equipment																								welding equipment
kiln, caldron																								kiln, caldron
electric equipment																								electric equipment
human power machine, tools			1																				1	human power machine, tools

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 milling machine																								chamfering machine, router, woodworking milling machine
chain saw																								chain saw
other woodworking machines											1											1		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

machine																								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
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																									industrial dryer
other kiln, caldron																									other kiln, caldron
transmission																									transmission
electric power facilities																									electric power facilities
other electrical equipment																									other electrical equipment
human power cranes																									human power cranes
human power hauling equipment																									human power hauling equipment
human power machine																									human power machine
hand tool			1																				1		hand tool
ladder																									ladder
slinging tool																									slinging tool
other tools			1																				1		other tools

harmful substances																									harmful substances		
metal material			1																						1	metal material	
lumber, bamboo																										lumber, bamboo	
stone, sand, substance																										stone, sand, substance	
other materials																										other materials	
load												1													1	2	load
machine/equipment as load																											machine/equipment as load
natural ground, rock																											natural ground, rock
standing tree																											standing tree
water																											water
abnormal environment																											abnormal environment
high/cold temperature environment																											high/cold temperature environment
other environments																											other environments
other causal agent																											other causal agent
no causal agent																											no causal agent
unclassifiable																											unclassifiable
total			3		1		1	1	2		3		3	1	2	1	1	2	2						1	24	total

Workers age of fatal and non-fatal accidents in other coal 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					1	1						5	20-29
30-39			1		1																				2	30-39
40-49	1	1		1					1				1		1										6	40-49
50-59			1			1	1				1		1	1		1	1		1					1	10	50-59
60 years old or more	2								1	1					1			1							7	60 years old or more
total	3	1	3	1	1	1	1	1	2		3		3	1	2	1	1	2	2					1	30	total

Workers' number of workplace of fatal and non-fatal accidents in other coal 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			1	1		1	1			2		1				1	1							10	9 workers or less
10-29		1	3						1				1	1	1	1			1						10	10-29
30-49	2					1			1				1		1			1							7	30-49
50-99											1								1				1		3	50-99
100-299																										100-299
300 workers or more																										300 workers or more
total	3	1	3	1	1	1	1	1	2		3		3	1	2	1	1	2	2					1	30	total

total																								total
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Causal agents (large) of fatal accidents in other coal mining 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																										machine
crane, conveying machine																										crane, conveying machine
other equipment																										other equipment
temporary buildings, establishments																										temporary buildings, establishments
substance, material																										substance, material
load																										load
environment																										environment
others																										others
total																										total

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

human power hauling equipment																							human power hauling equipment
human power machine																							human power machine
hand tool																							hand tool
ladder																							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,

Saga																								Saga	
Nagasaki																									Nagasaki
Kumamoto																									Kumamoto
Oita																									Oita
Miyazaki																									Miyazaki
Kagoshima																									Kagoshima
Okinawa																									Okinawa
total																									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