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

other mining industry Code No.020309

Type of accidents in other 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	4	8	7	2	3	3	9	7		2		3	2	2	2	3	2	6	1	4	2	1	2	75	fall from height
falling to same level		2	2	1	4	5	3	3	1	1	1	2	1	1	1		3	2	5	3	5	2	2	50	falling to same level
crash		2		1	1		1	1				1	1		1		1				1	2		13	crash
struck by flying or falling object	3	5	1	1	2	1		5	1	3	2		1	1					1		2		2	31	struck by flying or falling object
collapse									1	1							1	1			1	2		7	collapse
crashed by	2	1	3	1	1		1	1			1		2						1	1				15	crashed by
caught in/between	5	7	6	2	3	9	4	4	7	4	3	1	1	1	6	2	2	1	2	2	2	1	4	79	caught in/between
cut	1				1	1		1			1				2					1				8	cut
injury to the sole of the foot																									injury to the sole of the foot
drown																									drown
contact to high/low- temperature	2		1		1	2	1	1									1		1					10	contact to high/low- temperature

contact to harmful substance										1										1				2	contact to harmful substance
electric shock																									electric shock
explosion					2																			2	explosion
burst																									burst
fire					5																			5	fire
traffic accident (public road)		1	1			1					1	1					1	1		1				8	traffic accident (public road)
traffic accident (others)																									traffic accident (others)
reaction to motion/improper motion	1	1	4				1		1				1	2	2			2		2	2	1	2	22	reaction to motion/improper motion
others																									others
unclassifiable		1																						1	unclassifiable
total	18	28	25	8	23	22	20	23	11	12	9	8	9	7	14	5	11	13	11	15	15	9	12	328	total

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

Causal (L) agents	1000	2000	2001	2002	2003	2004	2005	2006	2007	2008	2000	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021		Causal (L)
Causar (L) agents		2000	2001	2002	2003	2004	2003	2000	2007	2000	2005	2010	2011	2012	2013	2014	2013	2010	2017	2010	2013	2020	2021	1 1	agents
machine	6	5	6		4	3	7	3	3	2	1	2	1		4	2	1	3	4	1	1	1	1	61	machine
crane, conveying																									crane,

machine	3	7	8	6	3	10	5	5	4	2	2	3	4	1	4		4	3	1	3	3	2	3	86	conveying
macrime																									machine
								_																4.5	other
other equipment	4	2	2		9	3	3	6	I	I				I	3	I		2	I	I	1		3	45	equipment
																									temporary
temporary buildings, establishments	1	6	4	1	4	5	4	3	1	2	1	3	2	3	1	2	4	2	4	4	5	3	1	66	buildings,
establishments																									establishments
	2	5			1			3	1	2									1	2	3		1	28	substance,
substance, material	3	3						3	I	2	2							2		2	3			20	material
load			1			1	1	1		1	2		2				1				1			11	load
environment		2		1	2			2	1	2				1	1		1			2		1		16	environment
others	1	1	3											1	1			1		2	1	1	3	15	others
total	18	28	25	8	23	22	20	23	11	12	9	8	9	7	14	5	11	13	11	15	15	9	12	328	total

Causal agents (middle) of fatal and non-fatal accidents in other mining 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								1																1	engine
power transmission mechanism		1	1													1			1					4	power transmission mechanism
woodworking machine					1																			1	woodworking machine

construction machine	3	2	3		2	2	5	1	3		1	2			2			2	2	1	1		1	33	construction machine
metal manufacturing machine	1					1		1					1		2	1						1		8	metal manufacturing machine
general machine	2	2	2		1		2			2							1	1	1					14	general machine
mobile silviculture machine																									mobile silviculture machine
crane	1	1		1					1			1	1				1						1	8	crane
conveying machine	2	6	8	5	2	9	5	5	3	2	2	2	3	1	4		3	3	1	3	3	1	2	75	conveying machine
vehicle					1	1																1		3	vehicle
pressure vessel																									pressure vessel
chemical facilities																									chemical facilities
welding equipment																									welding equipment
kiln, caldron						1																		1	kiln, caldron
electric equipment						1								1										2	electric equipment
human power machine, tools	1	1	1		1			2			1				1									8	human power machine, tools

tools	3	1	1		1	1	2	1	1	1						1		1	1	1			3	19	tools
other equipments,					7		1	3							2			1			1			15	other equipments, facilities
temporary buildings, establishments	1	6	4	1	4	5	4	3	1	2	1	3	2	3	1	2	4	2	4	4	5	3	1	66	temporary buildings, establishments
hazards, harmful substances																				1				1	hazards, harmful substances
materials	3	5	1		1			3	1	2	2							2	1	1	3	1	1	27	materials
load			1			1	1	1		1	2		2				1				1			11	load
natural environment		2		1	2			2	1	2				1	1		1			2		1		16	natural environment
other causal agent	1		2																					3	other causal agent
no causal agent			1											1	1			1		2	1	1	3	11	no causal agent
unclassifiable		1																						1	unclassifiable
total	18	28	25	8	23	22	20	23	11	12	9	8	9	7	14	5	11	13	11	15	15	9	12	328	total

Causal agents (small) of fatal and non-fatal accidents in other mining 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					1											1	engine
power transmission mechanism		1									1		1			3	power transmission mechanism
circular sawing machine			1													1	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
milling machine chain saw																	chain saw
other woodworking machines																	other woodworking machines
leveling, transporting or loading machine				3	1	1		2		1		1				9	leveling, transporting or loading machine
excavating machine		2	2			1						1	1		1	8	excavating machine
foundation work		1		1												2	foundation work

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

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

cableway																					cableway
simple skyline																					simple skyline
yarding equipment																					yarding equipment
other powered									1											1	other powered
crane																					crane
truck		4			4	1		1	2				2	3		3	2	1		23	truck
forklift		1	1	1				1					1		1					6	forklift
railway equipment			1	1													1			3	railway equipment
conveyor		2		2	1	2	2			1	1	4							2	17	conveyor
loader				1						1										2	loader
straddle carrier																					straddle carrier
rough terrain hauler																					rough terrain hauler
other powered																					other powered
conveying machines		ı								l										2	conveying machines
cars, bus,																					cars, bus,
motorcycle			I																		motorcycle
railway vehicle																					railway vehicle
other vehicles																		1		1	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																			kiln, caldron
industrial dryer																			industrial dryer
other kiln, caldron																			other kiln, caldron
transmission																			transmission
electric power										1								1	electric power
facilities										1									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		1	1		2			1			1							6	hand tool
ladder		1		2			1					1	1				1	7	ladder
slinging tool			1												1			2	slinging tool
other tools					1	1								1			2	5	other tools

other equipment,			7	1	3							2			1			1			15	other equipment,
scaffolding							1														1	scaffolding
timbering																						timbering
stairs, landing stage		1		2	1		1		1		1			1		1					9	stairs, landing stage
opening		1			1																2	opening
roof, beam, haze,																						roof, beam, haze,
crossbeam,																			1		1	crossbeam,
principal rafter																						principal rafter
working platform, boot board		1	1												1	2	2		2		9	working platform, boot board
passage			2	1	1			1	1	1	1			1		1	1	3		1	15	passage
building, establishment		1	1	1		1			1	1	1	1	1	2	1		1	1			14	building, establishment
other temporary buildings, establishments													1					1			2	other temporary buildings, 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																	1				1	harmful substances
metal material		1			1		1	2							1			1		1	8	metal material
lumber, bamboo						1															1	lumber, bamboo
stone, sand, substance					1		1								1	1		2	1		7	stone, sand, substance
other materials			1		1												1				3	other materials
load		1		1			1	1		2				1				1			8	load
machine/equipment as load					1			1													2	machine/equipment
natural ground, rock			1		1		1					1							1		5	natural ground,
standing tree					1		1										1				3	standing tree
water																						water
abnormal environment																						abnormal environment
high/cold temperature environment														1								high/cold temperature environment
other environments			1			1					1						1				4	other environments
other causal agent		2																			2	other causal agent
no causal agent		1									1	1			1		2	1	1	3	11	no causal agent
unclassifiable																						unclassifiable
total		25	23	20	23	11	12	9	8	9	7	14	5	11	13	11	15	15	9	12	252	total

Workers age of fatal and non-fatal accidents in other 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		1			2	1		1																5	19 years old or less
20-29	5		2	1	5	3	2	1	3					1	1	1		1	1	1	2	1	1	32	20-29
30-39	4	5	4	3	1	1	4	3	1	3	1	1	1	1	4	1	4	2	2		2	2	1	51	30-39
40-49	1	8	6	2	2	8	4	6	4	2	4	2	4	2	5		2	1	1	5	3	2	2	76	40-49
50-59	7	9	9	2	10	7	5	8	1	2	4	2	2	2	2	1	3	2	3	3	5	3	6	98	50-59
60 years old or	1	5	4		3	2	5	4	2	5		3	2	1	2	2		7	4	6	3	1	2	66	60 years old or
more														•										ll l	more
total	18	28	25	8	23	22	20	23	11	12	9	8	9	7	14	5	11	13	11	15	15	9	12	328	total

Workers' number of workplace of fatal and non-fatal accidents in other 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	9	11	9	2	4	3	7	4	7	3	5	1	2	4	3	3	3	5	2	4	2	1	4	98	9 workers or less
10-29	4	9	12	4	12	9	6	16	4	4	4	2	3	2	7	1	1	3	6	7	4	3	4	127	10-29
30-49	2	3	2	1	4	3	6	1		3		1	2		3	1	5	2		2	2	3	3	49	30-49
50-99	2	2	1			4	1	1		1		3	2	1			2	3	3	2	7	1	1	37	50-99
100-299				1	3	3		1		1		1			1							1		12	100-299
300 workers or more	1	3	1																					5	300 workers or more
total	18	28	25	8	23	22	20	23	11	12	9	8	9	7	14	5	11	13	11	15	15	9	12	328	total

Month of fatal and non-fatal accidents in other 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	5	3	3	3	1		1		1	3		1	2		1	2	1		30	January
February	2	4		2	2	1		6			2	1	2	1	1	1				1	1	2		29	February
March	3	1	2	2			4	3	1	1		1	1		1	2		1		1	3		1	28	March
April	1	2	3		2	2	2	3			2					1		3	1		1			23	April
May	2	1	1		7	4			3	2	1	1		1	1		1	1		2	1		1	30	May
June	2	2	3	1	1		2	2									1	2	1	1	1			19	June
July	3	2	4		5	1						1		1	2							2	2	23	July
August	3	4	4			1	3			1	2	1	1				2		1	1	1		2	27	August
September	1	2			2	3	2			1	1	1	3		1	1	2		1	3	1	1	1	27	September
October	1	4	3	1		1	3	2	1	2				1	4		2			2	1	2	1	31	October
November		3	2		2	4	1	1		2			1				1	3	2	1	3		3	29	November
December		3	3		1			3	3	2	1	1	1	2	1		1	1	5	2		1	1	32	December
total	18	28	25	8	23	22	20	23	11	12	9	8	9	7	14	5	11	13	11	15	15	9	12	328	total

Prefecture of fatal and non-fatal accidents in other mining 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		1	2						1		3												1	8	Hokkaido
Aomori			1					2			1			1						1		1	1	8	Aomori

lwate	1			1					1						2							5	lwate
Miyagi																1					1	2	Miyagi
Akita			1																			1	Akita
Yamagata	1	1			1						1		1				1					6	Yamagata
Fukushima	3	1						1				1						2	1	1		10	Fukushima
Ibaraki													2		1							3	Ibaraki
Tochigi	1			2	1	8	1	3			2		2	1	1	1			3	1	1	28	Tochigi
Gunma			2	3		1	1															7	Gunma
Saitama		1	3	1			1	1						1		1	4	6	5		1	25	Saitama
Chiba		1			2										1				1	1		6	Chiba
Tokyo																1			1		1	3	Tokyo
Kanagawa																							Kanagawa
Niigata				5									1	1			1					8	Niigata
Toyama	3	2	1		1		1		1								1				1	11	Toyama
Ishikawa			1		1																1	3	Ishikawa
Fukui		1					2						1									4	Fukui
Yamanashi																							Yamanash
Nagano		1			2			1			1		1			1	2	2			1	12	Nagano
Gifu	4	3		3	2	1				1		1	1		2	1						19	Gifu
Shizuoka		2					1	1									1					5	Shizuoka
Aichi		2	1	2	1	1				3	2	2	1				1	1	1	2		20	Aichi
Mie		2	1		1	3						1	1						1	1		11	Mie
Shiga	1	1		1						1			1			2		1			1	9	Shiga

				 	 										1		 					
Kyoto				1	5	1		2	1				1			1					12	Kyoto
Osaka		1																			1	Osaka
Hyogo		1	1			1					1						1	1			6	Hyogo
Nara																						Nara
Wakayama																						Wakayama
Tottori																						Tottori
Shimane																						Shimane
Okayama	1	1		1		1					1		1	1	1						8	Okayama
Hiroshima			2					1							1					1	5	Hiroshima
Yamaguchi				1							1	1		1							4	Yamaguch
Tokushima		1	1			1									1						4	Tokushima
Kagawa																						Kagawa
Ehime																						Ehime
Kochi	1		1	1				1	1	1					1				1	1	9	Kochi
Fukuoka			1						1												2	Fukuoka
Saga						1											1				2	Saga
Nagasaki								1													1	Nagasaki
Kumamoto	1	1	1		1											2					6	Kumamoto
Oita	1	3	1		1		1									1			1		9	Oita
Miyazaki		1	3	1	1	1										1		1			9	Miyazaki
Kagoshima										1											1	Kagoshima
Okinawa			1			1	2			1											5	Okinawa

total	18	28	25		23		20	23	11	12	9	8	9	7	14	5	11	13	11	15	15	9	12	298	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 other mining in Japan in 1999-2021

other mining industry Code No.020309

Type of fatal accidents in other 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	fall from height
falling to same level																									falling to same
																									level
crash																									crash
struck by flying or																									struck by flying
falling object																									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							1							1	contact to harmful substance
electric shock															electric shock
explosion			1											1	explosion
burst															burst
fire			3											3	fire
traffic accident (public road)				1				1						2	traffic accident (public road)
traffic accident (others)															traffic accident (others)
reaction to motion/improper motion															reaction to motion/improper motion
others															others
unclassifiable															unclassifiable

		\Box			\Box			\Box	\Box		\Box	\Box	\Box				 	
total		1	4	1		1	2	1		1	1			1			13	total

Causal agents (large) of fatal accidents in other 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)
machine			1						1															2	machine
crane, conveying machine						1		1				1												3	crane, conveying machine
other equipment					4																			4	other equipment
temporary buildings, establishments													1												temporary buildings, establishments
substance, material									1	1								1						3	substance, material
load																									load
environment																									environment
others																									others
total			1		4	1		1	2	1		1	1					1						13	total

Causal agents (middle) of fatal accidents in other mining 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			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												2	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														human power machine, tools
tools														tools
other equipments,		4											4	other equipments, facilities
temporary buildings, establishments							1						1	temporary buildings, establishments
hazards, harmful substances					1								1	hazards, harmful substances
materials				1						1			2	materials
load														load
natural environment														natural environment
other causal agent														other causal agent

no causal agent																no causal
no causal agent																agent
unclassifiable																unclassifiable
total		1	4	1	1	2	1	1	1			1			13	total

Causal agents (small) of fatal accidents in other mining 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 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														foundation work machine
hardening machine														hardening machine
demolition machine					1								1	demolition machine
vehicle for high lift work														vehicle for high lift work
other construction machines														other construction machines
lathe														lathe
drill press, milling machine														drill press, milling machine
grinding machine, buffing machine														grinding machine, buffing machine
power press														power press
forging pressure hammer														forging pressure 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													other general
power machines													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						1						1	truck
forklift													forklift
railway equipment													railway equipment
conveyor				1								1	conveyor
loader													loader
straddle carrier													straddle carrier
rough terrain hauler													rough terrain hauler
other powered													other powered
conveying machines													conveying machines
cars, bus,			1									1	cars, bus,
motorcycle													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													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,			4										4	other equipment,
facilities														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,							1						1	building,
establishment														establishment
other temporary														other temporary
buildings,														buildings,

establishments														establishments
explosive substance														explosive substance
inflammable														inflammable
substance														substance
inflammable gas														inflammable gas
harmful substance						1							1	harmful substance
radiation														radiation
other hazards,														other hazards,
harmful substances														harmful substances
metal material														metal material
lumber, bamboo														lumber, bamboo
stone, sand,					1					1			2	stone, sand,
substance														substance
other materials														other materials
load														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																no causal agent
unclassifiable																unclassifiable
total		1	4	1	1	2	1	1	1			1			13	total

Workers age of fatal accidents in other 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								1																1	19 years old or less
20-29					1	1			1															3	20-29
30-39																		1						1	30-39
40-49			1		1					1			1											4	40-49
50-59					2																			2	50-59
60 years old or									1			1												2	60 years old or
more									<u> </u>																more
total			1		4	1		1	2	1		1	1					1						13	total

Workers' number of workplace of fatal accidents in other 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			2	9 workers or less
10-29			3		1	1	1								6	10-29
30-49		1	1												2	30-49
50-99						1			1						2	50-99
100-299				1											1	100-299
300 workers or																300 workers or
more																more
total		1	4	1	1	2	1	1	1			1			13	total

Month of fatal accidents in other 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												1												1	January
February						1																		1	February
March																									March
April			1																					1	April
May					3				1															4	May
June										1														1	June
July					1																			1	July
August																									August
September																									September
October								1	1															2	October
November													1					1						2	November

December																December
total		1	4	1	1	2	1	1	1			1			13	total

Prefecture of fatal accidents in other mining 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																									Fukushima
Ibaraki																									Ibaraki
Tochigi								1																1	Tochigi
Gunma																									Gunma
Saitama										1								1						2	Saitama
Chiba																									Chiba
Tokyo																									Tokyo
Kanagawa																									Kanagawa
Niigata					3																			3	Niigata
Toyama																									Toyama
Ishikawa																									Ishikawa

Fukui						1									1	Fukui
Yamanashi																Yamanashi
Nagano																Nagano
Gifu			1												1	Gifu
Shizuoka																Shizuoka
Aichi								1							1	Aichi
Mie																Mie
Shiga																Shiga
Kyoto																Kyoto
Osaka																Osaka
Hyogo																Hyogo
Nara																Nara
Wakayama																Wakayama
Tottori																Tottori
Shimane																Shimane
Okayama																Okayama
Hiroshima																Hiroshima
Yamaguchi									1						1	Yamaguch
Tokushima																Tokushima
Kagawa																Kagawa
Ehime																Ehime
Kochi		1		1											2	Kochi
Fukuoka																Fukuoka

Saga																Saga
Nagasaki																Nagasaki
Kumamoto																Kumamoto
Oita																Oita
Miyazaki																Miyazaki
Kagoshima																Kagoshima
Okinawa																Okinawa
total		1	4	1	1	2	1	1	1			1			13	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