other mining industry Code No.0203

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	5	10	8	3	4	4	11	7		3	1	3	2	2	3	3	2	6	1	5	2	1	2	88	fall from height
falling to same level	2	2	4	1	5	5	3	3	3	1	2	3	1	1	3	1	3	3	5	3	5	3	2	64	falling to same level
crash	1	2	1	1	1	1	1	1				1	1		1		1				1	2		16	crash
struck by flying or falling object	6	6	1	2	2	2		6	1	3	2	1	1	1				1	1		3		2	41	struck by flying or falling object
collapse		1	1		2		1		1	1		1		1			1	1			1	2		14	collapse
crashed by	3	1	3	1	1	1	1	1			1	1	2			1			1	1				19	crashed by
caught in/between	8	8	6	2	4	10	5	4	9	7	3	2	2	2	6	2	2	1	2	2	3	1	4	95	caught in/between
cut	1				1	1		1			1			1	2					1				9	cut
injury to the sole of the foot																									injury to the sole of the foot
drown						1																		1	drown
contact to high/low- temperature	2	1	2	1	2	2	1	1		1							1		1					15	contact to high/low- temperature

contact to harmful substance										1									1	1				3	contact to harmful substance
electric shock																									electric shock
explosion					2							1												3	explosion
burst																							1	1	burst
fire					5																			5	fire
traffic accident (public road)		1	1	2		1	1				1	1			1		2	1		1				13	traffic accident (public road)
traffic accident (others)																									traffic accident (others)
reaction to motion/improper motion	1	3	6	1	1	1	1		1	1		1	1	3	2			2		2	2	1	2	32	reaction to motion/improper motion
others				1																				1	others
unclassifiable		1																						1	unclassifiable
total	29	36	33	15	30	29	25	24	15	18	11	15	10	11	18	7	12	15	12	16	17	10	13	421	total

Causal agents (large) of fatal and non-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		Causal (L)
		2000	2001	2002	2005	2004	2005	2000	2007	2000	2005	2010	2011	2012	2013	2014	2013	2010	2017	2010	2013	2020	2021		agents
machine	7	5	6	1	5	4	8	3	4	2	1	3	2	2	6	3	1	3	4	1	1	1	1	74	machine
crane, conveying																									crane,

machine	6	8	8	8	5	11	6	6	4	5	2	4	4	1	5		5	3	1	3	4	2	3	104	conveying
Inachine																									machine
ather equipment	5	6	2		10		5	6	1					1	3	1			1	2			4	57	other
other equipment	5	0	3			3	5	0		2	1			1	5			2		Z			4		equipment
tomporon/huildings																									temporary
temporary buildings, establishments	3	6	7	1	4	6	4	3	2	2	2	6	2	3	2	3	4	3	4	4	5	4	1	81	buildings,
establistiments																									establishments
substance, material	6	5	3	2	2	1	1	3	3	3	2			1				3	2	2	4	1	1	45	substance,
substance, material	0		5	2	2			5	5	5	2							5	2	2	4				material
load			1			2	1	1		2	2		2				1				1			13	load
environment	1	5	2	2	4	2		2	1	2	1	2		1	1		1			2		1		30	environment
others	1	1	3	1										2	1			1		2	1	1	3	17	others
total	29	36	33	15	30	29	25	24	15	18	11	15	10	11	18	7	12	15	12	16	17	10	13	421	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	1			1					6	power transmission mechanism
woodworking machine					1																			1	woodworking machine

construction machine	4	2	3	1	2	3	6	1	3		1	2			3			2	2	1	1		1	38	construction machine
metal manufacturing machine	1					1		1					1		2	1						1		8	metal manufacturing machine
general machine	2	2	2		2		2		1	2		1		2		1	1	1	1					20	general machine
mobile silviculture machine																									mobile silviculture machine
crane	1	1		1					1			2	1				1						1	9	crane
conveying machine	4	7	8	5	4	10	5	6	3	5	2	2	3	1	5		3	3	1	3	4	1	2	87	conveying machine
vehicle	1			2	1	1	1										1					1		8	vehicle
pressure vessel																									pressure vessel
chemical facilities																									chemical facilities
welding equipment																									welding equipment
kiln, caldron						1																		1	kiln, caldron
electric equipment		1				1								1										3	electric equipment
human power machine, tools	1	2	2		1		1	2		1	1				1									12	human power machine, tools

tools	3	2	1		2	1	3	1	1	1						1		1	1	2			4	24	tools
other equipments, facilities	1	1			7		1	3							2			1			1				other equipments, facilities
temporary buildings, establishments	3	6	7	1	4	6	4	3	2	2	2	6	2	3	2	3	4	3	4	4	5	4	1		temporary buildings, establishments
hazards, harmful substances					1					1									1	1				4	hazards, harmful substances
materials	6	5	3	2	1	1	1	3	3	2	2			1				3	1	1	4	1	1	41	materials
load			1			2	1	1		2	2		2				1				1			13	load
natural environment	1	5	2	2	4	2		2	1	2	1	2		1	1		1			2		1		30	natural environment
other causal agent	1		2	1																				4	other causal agent
no causal agent			1											2	1			1		2	1	1	3	12	no causal agent
unclassifiable		1																						1	unclassifiable
total	29	36	33	15	30	29	25	24	15	18	11	15	10	11	18	7	12	15	12	16	17	10	13	421	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		1							1	1	1		1			5	power transmission
mechanism																	mechanism
circular sawing			1													1	circular sawing
machine																	machine
band sawing																	band sawing
machine																	machine
wood planer																	wood planer
machine																	machine
hollow chisel																	hollow chisel
mortiser, wood																	mortiser, wood
borer																	borer
chamfering																	chamfering
machine, router,																	machine, router,
woodworking																	woodworking
milling machine																	milling machine
chain saw																	chain saw
other woodworking																	other woodworking
machines																	machines
leveling,																	leveling,
transporting or				4	1	1		2		1		1				10	transporting or
loading machine																	loading machine
excavating machine		2	2			1						1	1		1	8	excavating machine
foundation work																	foundation work
machine				1												2	machine

Į	 		<u> </u>	<u> </u>			L			<u> </u>		L		L	<u> </u>					
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			2				1	1		6	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			1					6	mixer, grinder
roll machine (except printingroll machine)																				roll machine (except printingroll machine)
injection molding																				injection molding

machine																machine
food manufacturing machine																food manufacturing machine
printing machine																printing machine
industrial robot																industrial robot
other general power machines		1	1	1	1	1	1		1	1	1	1			10	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						1	3	crane
mobile crane					1						1				2	mobile crane
derrick crane																derrick crane
elevator, lift																elevator, lift
cargo lifting appliance																cargo lifting appliance
gondola																gondola
lumberyard																lumberyard
equipment, logging																equipment, logging

cableway																							cableway
simple skyline yarding equipment																							simple skyline yarding equipment
other powered crane										1												1	other powered crane
truck		4		1		5	1		1	2			1		2	3		3	2	1		26	truck
forklift		1		1	1			1	1						1		1					7	forklift
railway equipment				1	1														1			3	railway equipment
conveyor		2		1	2	1	2	4			1	1	4						1		2	21	conveyor
loader					1						1											2	loader
straddle carrier																							straddle carrier
rough terrain hauler																							rough terrain hauler
other powered conveying machines		1									1											2	other powered conveying machines
cars, bus, motorcycle				1	1										1							3	cars, bus, motorcycle
railway vehicle																							railway vehicle
other vehicles																				1		1	other vehicles
boiler																							boiler
pressure vessel																							pressure vessel
other pressure vessels																							other pressure vessels
chemical facilities		, <u> </u>	il i i											T	, 1								chemical facilities

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										1								1	electric power facilities
other electrical equipment																			other electrical equipment
human power cranes																			human power cranes
human power hauling equipment				1														1	human power hauling equipment
human power machine							1											1	human power machine
hand tool		2	1		2			1			1							7	hand tool
ladder		1	1	3			1					1	1		1		1	10	ladder
slinging tool			1												1			2	slinging tool
other tools					1	1								1			3	6	other tools

other equipment,			7	1	3							2			 1			 1			15	other equipment,
facilities			/		5							2			ľ							facilities
scaffolding							1														1	scaffolding
timbering																						timbering
stairs, landing stage		2		2	1		1	1	1		1		1	1		1					12	stairs, landing stage
opening		1			1																2	opening
roof, beam, haze, crossbeam, principal rafter																			1		1	roof, beam, haze, crossbeam, principal rafter
working platform, boot board		2	1			1									1	2	2		2		11	working platform, boot board
passage		1	2	1	1			1	2	1	1	1		1	1	1	1	3	1	1	20	passage
building, establishment		1	1	1		1			2	1	1	1	1	2	1		1	1			15	building, establishment
other temporary buildings, establishments									1				1					1			3	other temporary buildings, establishments
explosive substance																						explosive substance
inflammable substance			1																		1	inflammable substance
inflammable gas																						inflammable gas
harmful substance																1					1	harmful substance
radiation																						radiation
other hazards,																						other hazards,

harmful substances							1										1				2	harmful substances
metal material		1			1	2	1	2			1				1			2		1	12	metal material
lumber, bamboo						1															1	lumber, bamboo
stone, sand, substance		1		1	1		1								2	1		2	1		10	stone, sand, substance
other materials		1	1		1												1				4	other materials
load		1		1			2	1		2				1				1			9	load
machine/equipment as load					1			1													2	machine/equipment as load
natural ground, rock		1	3		1		1	1	1			1							1		10	natural ground, rock
standing tree					1		1		1								1				4	standing tree
water																						water
abnormal environment																						abnormal environment
high/cold																						high/cold
temperature		1												1							2	temperature
environment																						environment
other environments			1			1					1						1				4	other environments
other causal agent		2																			2	other causal agent
no causal agent		1									2	1			1		2	1	1	3	12	no causal agent
unclassifiable																						unclassifiable
total		33	30	25	24	15	18	11	15	10	11	18	7	12	15	12	16	17	10	13	312	total

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														6	19 years old or less
20-29	5	1	3	1	5	3	3	1	4	2			1	1	1	1		1	1	1	2	1	1	39	20-29
30-39	9	6	6	4	2	2	4	3	1	3	2	3	1	1	6	1	4	3	2		3	2	2	70	30-39
40-49	2	9	7	4	3	12	7	6	4	4	4	3	4	4	5	2	3	1	2	5	3	2	2	98	40-49
50-59	12	13	11	6	13	9	6	9	3	2	5	5	2	3	4	1	3	3	3	3	6	3	6	131	50-59
60 years old or more	1	6	6		5	2	5	4	3	6		4	2	2	2	2	2	7	4	7	3	2	2	77	60 years old or more
total	29	36	33	15	30	29	25	24	15	18	11	15	10	11	18	7	12	15	12	16	17	10	13	421	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	10	14	9	3	4	3	7	4	7	4	5	3	2	4	3	3	3	6	2	4	3	1	4	108	9 workers or less
10-29	8	10	13	5	17	12	10	16	6	6	5	3	3	5	10	2	2	4	6	7	5	3	4	162	10-29
30-49	4	3	3	2	4	3	7	2		4		2	2		3	1	5	2		3	2	3	3	58	30-49
50-99	2	2	2			5	1	1		2		3	2	1	1		2	3	3	2	7	1	1	41	50-99
100-299	2	4	4	5	5	6		1		1	1	3	1		1							1	1	36	100-299
300 workers or	2	2	2						2	1		1		1		1			1			1		16	300 workers or
more			2						2													<u> </u>			more
total	29	36	33	15	30	29	25	24	15	18	11	15	10	11	18	7	12	15	12	16	17	10	13	421	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	2	2	1	6	4	3	4	2		2		1	4		1	2		1	2	1		40	January
February	3	4	1	2	2	1		6			2	1	2	1	3	1				1	1	2		33	February
March	3	1	3	3			5	3	1	1		3	1		1	2		1		1	4		1	34	March
April	1	2	4	1	4	3	2	3		1	2	1		1		1		4	1		1			32	April
May	3	2	1		7	4	1	1	4	4	2	1		3	1	1	1	1		2	1		1	41	May
June	2	4	4	1	1		2	2				1					2	2	1	1	1			24	June
July	5	2	4		7	1	1				1	1	1	1	2			1				2	2	31	July
August	6	4	4			1	3			1	2	2	1				2		1	2	1	1	2	33	August
September	2	3			4	5	2			2	1	1	3		1	1	2		1	3	1	1	2	35	September
October	1	5	4	2		2	3	2	1	2				2	4		2			2	1	2	1	36	October
November	1	4	2	3	3	6	1	1	1	3			1		1		1	3	3	1	3		3	41	November
December	2	3	4	1	1		1	3	4	2	1	2	1	2	1	1	1	1	5	2	1	1	1	41	December
total	29	36	33	15	30	29	25	24	15	18	11	15	10	11	18	7	12	15	12	16	17	10	13	421	total

.....

.....

.....

.....

.....

.....

.....

.....

Prefecture of fatal and non-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	2	5	7		6		4		1		3	3		1	1								1	34	Hokkaido
Aomori			1					2			1			1						1		1	1	8	Aomori

lwate	2	1		1					2						2							8	lwate
Miyagi												1				1		1			1	4	Miyagi
Akita			1				1															2	Akita
Yamagata	1	1			1						1		1				1					6	Yamagata
Fukushima	4	1						1				1						2	1	1		11	Fukushima
Ibaraki										1			2		1							4	Ibaraki
Tochigi	1			2	1	8	1	3			2		2	1	1	1			4	1	1	29	Tochigi
Gunma			2	3		1	1															7	Gunma
Saitama		2	4	1			1	1						1		1	4	6	5		1	27	Saitama
Chiba		1			3				1		1	1			2				1	1	1	12	Chiba
Tokyo	1	1														1			1		1	5	Tokyo
Kanagawa																							Kanagawa
Niigata	1		1	5			1	2		1			3	1			1					16	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																							Yamanashi
Nagano		1			2			1			1		1	1		1	2	2			1	13	Nagano
Gifu	6	4	1	3	2	2	2	2		2		2	1	1	2	1	1			1		33	Gifu
Shizuoka		2					1	2									1					6	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	2	1		1						1			1			2		1			1	10	Shiga

Kyoto	1			1	5	1		3	1				1								14	Kyoto
					<u>с</u>			<u>с</u>														
Osaka		1																			1	Osaka
Hyogo		1	1			1					1		1				1	1			7	Нуодо
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	Yamaguchi
Tokushima		1	1			1									1	1					5	Tokushima
Kagawa																						Kagawa
Ehime																						Ehime
Kochi	2		1	1				1	1	1					1				1	1	10	Kochi
Fukuoka			1						1												2	Fukuoka
Saga						1											1				2	Saga
Nagasaki								1													1	Nagasaki
Kumamoto	1	1	1		1											2		1			7	Kumamoto
Oita	1	3	1		1		1									1			1		9	Oita
Miyazaki		1	3	1	1	1										1		1			9	Miyazaki
Kagoshima				1						2						1					4	Kagoshima
Okinawa			1			1	2			1											5	Okinawa

total	29	36	33		30		25	24	15	18	11	15	10	11	18	7	12	15	12	16	17	10	13	377	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: <u>https://anzeninfo.mhlw.go.jp/user/anzen/tok/anst00.htm</u> (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.0203

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											2	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									1						3	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 of the foot
drown				1										1	drown
contact to high/low- temperature	1													1	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

																L
total	3	1	4	2	1	2	1	1	1			1			17	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) agents
machine			1						1															2	machine
crane, conveying machine						1		1				1												3	crane, conveying machine
other equipment		1			4																			5	other equipment
temporary buildings, establishments													1											1	temporary buildings, establishments
substance, material									1	1								1						3	substance, material
load																									load
environment		2				1																		3	environment
others																									others
total		3	1		4	2		1	2	1		1	1					1						17	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	1														1	tools
other equipments, facilities			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	2			1											3	natural environment
other causal agent																other causal agent
															 	agent

no causal agent																no causal
no causal agent																agent
unclassifiable																unclassifiable
total	3	1	4	2	1	2	1	1	1			1			17	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 machine													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

r, grinder I I I I I I I I I I I I I I I I I I I	es Igal machine grinder chine (except groll
ifugal machine ifugal machine ifugal machine ingroll	igal machine grinder chine (except groll e)
r, grinder I I I I I I I I I I I I I I I I I I I	grinder chine (except groll e)
nachine (except line)	chine (except groll e)
ingroll ine)	groll e)
nine)	e)
	n molding
	11
ine	e
manufacturing food ma	anufacturing
nine machine	e
ing machine	g machine
strial robot	al robot
r general other ge	eneral
er machines power m	machines
g machine	nachine
le logging mobile le	logging
ine	e
ne yarding	yarding
nine machine	e
r mobile other me	obile
ulture machine	ure machine
e la	

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

	 	 	 	 	 	=	=	 =	 	 	——	 	=		<u> </u>
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, caldroi	n
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	1												1	ladder
slinging tool														slinging tool
other tools														other tools
other equipment,			4										4	other equipment,
facilities			4											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							building,
establishment							1						I	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					I									substance
other materials														other materials
load														load
machine/equipment														machine/equipment
as load														as load
natural ground,	1												1	natural ground,
rock														rock
standing tree														standing tree
water														water
abnormal														abnormal
environment														environment
high/cold														high/cold

temperature	1														1	temperature
environment																environment
other environments				1											1	other environments
other causal agent																other causal agent
no causal agent																no causal agent
unclassifiable																unclassifiable
total	3	1	4	2	1	2	1	1	1			1			17	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						2	30-39
40-49			1		1					1			1											4	40-49
50-59		2			2	1																		5	50-59
60 years old or									1			1												2	60 years old or
more																									more
total		3	1		4	2		1	2	1		1	1					1						17	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	1		3		1	1	1								7	10-29
30-49		1	1												2	30-49
50-99						1			1						2	50-99
100-299	2			2											4	100-299
300 workers or																300 workers or
more																more
total	3	1	4	2	1	2	1	1	1			1			17	total

Month of fatal accidents in other mining in 1999-2021

999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Month
											1												1	January
					1																		1	February
																								March
		1																					1	April
				3				1															4	May
	1								1														2	June
				1																			1	July
																								August
	1																						1	September
	1				1		1	1															4	October
												1					1						2	November
					399 2000 2001 2002 2003 I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I																		Image:	Image:

December																December
total	3	1	4	2	1	2	1	1	1			1			17	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		3				1			1															5	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
Нуодо																Нуодо
Nara																Nara
Wakayama																Wakayama
Tottori																Tottori
Shimane																Shimane
Okayama																Okayama
Hiroshima																Hiroshima
Yamaguchi									1						1	Yamaguchi
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	3	1	4	2	1	2	1	1	1			1			17	total

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

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