

Fatal and non-fatal accidents in quarrying in Japan in 1999-2021

quarrying industry Code No.020201

Type of accidents in quarrying 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	74	57	63	44	55	41	48	47	48	36	53	33	33	31	41	54	34	25	36	37	33	38	43	1,004	fall from height
falling to same level	34	20	21	18	19	10	16	19	12	17	13	10	17	14	16	15	9	15	11	14	14	14	13	361	falling to same level
crash	29	9	13	20	13	11	14	15	20	5	7	10	5	5	8	6	8	7	4	9	5	3	6	232	crash
struck by flying or falling object	34	32	32	29	23	15	18	27	15	16	9	16	11	11	16	18	9	6	11	6	7	10	3	374	struck by flying or falling object
collapse	11	15	9	11	11	7	12	4	9	4	3	4	4	4	2	5	3	1	6		3	4	1	133	collapse
crashed by	18	13	20	15	17	13	17	17	9	9	6	13	5	7	7	4	9	5	9	9	9	6	5	242	crashed by
caught in/between	65	66	55	40	51	44	43	34	45	31	27	20	26	28	38	29	23	34	32	23	19	25	26	824	caught in/between
cut	6	5	7	8	1	2	3	1	4	4	4	1	1	1	2	2	2	2	4	2	3	2	1	68	cut
injury to the sole of the foot	1		1		1				1							1			1	1	1			8	injury to the sole of the foot
drown													1											1	drown
contact to high/low-temperature	12	5		1	4	4	6		1		1	1	2		2			3	1	1	3	4	2	53	contact to high/low-temperature

contact to harmful substance			1		1							1							1	1		1		6	contact to harmful substance
electric shock		1	2			1	1		1															6	electric shock
explosion	2		2										1						1	2				8	explosion
burst		2		1	2										1							1	2	9	burst
fire		1					1									1	1							4	fire
traffic accident (public road)	5	4	6		1		1	2	1	2	2		2		3	2	1		3		1	1	2	39	traffic accident (public road)
traffic accident (others)			1	2		1		1				1		1	1	1								9	traffic accident (others)
reaction to motion/improper motion	15	13	15	10	8	12	12	7	7	10	8	8	6	3	4	4	12	4	5	8	9	9	8	197	reaction to motion/improper motion
others	1	2		1	1	1	1		2	1	2	2	2		1		2		1				1	21	others
unclassifiable																									unclassifiable
total	307	245	248	200	208	162	193	174	175	135	135	120	116	105	142	142	113	102	126	113	107	118	113	3,599	total

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

[illegible]

machine	67	75	64	51	62	43	57	47	41	38	50	32	27	39	43	42	30	38	47	31	39	41	32	1,036	conveying machine
other equipment	37	20	24	28	25	25	25	19	16	20	14	11	16	8	18	11	10	9	10	10	18	7	15	396	other equipment
temporary buildings, establishments	52	26	28	19	26	17	19	24	30	18	17	20	17	9	20	31	20	14	15	30	18	12	24	506	temporary buildings, establishments
substance, material	40	27	23	34	24	22	23	22	24	13	7	13	14	9	10	12	6	13	8	8	4	5	7	368	substance, material
load	1	4	3		3	1	1		3	2	2	4	2		1	1				1	2	3	3	37	load
environment	30	30	24	21	23	18	15	16	8	9	11	10	21	10	11	19	15	3	12	6	5	16	5	338	environment
others	5	7	5	6	6	1	4	2	6	3	4	4	3	2	1	2	6	3	1	3	4	4	3	85	others
total	307	245	248	200	208	162	193	174	175	135	135	120	116	105	142	142	113	102	126	113	107	118	113	3,599	total

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

[illegible]

tools	10	4	9	12	11	11	13	7	6	10	7	4	5	3	5	4	4	5	4	7	7	3	10	161	tools
other equipments, facilities	6	6	3	6	9	5	2	3	3	6	4	4	5	2	7	2	1	1	2		7	2	1	87	other equipments, facilities
temporary buildings, establishments	52	26	28	19	26	17	19	24	30	18	17	20	17	9	20	31	20	14	15	30	18	12	24	506	temporary buildings, establishments
hazards, harmful substances	4	3	2		2	3	2					1	1	1				3	3	2				27	hazards, harmful substances
materials	36	24	21	34	22	19	21	22	24	13	7	12	13	8	10	12	6	10	5	6	4	5	7	341	materials
load	1	4	3		3	1	1		3	2	2	4	2		1	1				1	2	3	3	37	load
natural environment	30	30	24	21	23	18	15	16	8	9	11	10	21	10	11	19	15	3	12	6	5	16	5	338	natural environment
other causal agent	2	1	1	2		1	2	1	2				1	1	1		1					1	1	18	other causal agent
no causal agent	3	6	4	4	6		2	1	4	3	4	3	2	1		2	5	3	1	3	4	3	2	66	no causal agent
unclassifiable												1												1	unclassifiable
total	307	245	248	200	208	162	193	174	175	135	135	120	116	105	142	142	113	102	126	113	107	118	113	3,599	total

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

[illegible]

engine							1	1	2					1						1					6	engine
power transmission mechanism			4		3		3	4	5	4	1	1	3	3	3	3	5	5	1	4		4	2	58	power transmission mechanism	
circular sawing machine					1		1				1					1		1						5	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							1																	1	chain saw	
other woodworking machines												1												1	other woodworking machines	
leveling, transporting or loading machine			16		9		13	11	10	6	6	5	7	5	5	5	5	1	9	3	4	7	10	137	leveling, transporting or loading machine	
excavating machine			24		9		13	10	9	9	12	13	1	12	10	10	10	4	6	8	8	8	6	182	excavating machine	
foundation work machine					1		1								1								1	4	foundation work machine	

[illegible]

machine																									machine
food manufacturing machine																									food manufacturing machine
printing machine																									printing machine
industrial robot																									industrial robot
other general power machines			11		5		6	10	11	6	2	2	2	2	5	3	2	3	6	4	3	5	3	91	other general power machines
felling machine																			1					1	felling machine
mobile logging machine																									mobile logging machine
skyline yarding machine																									skyline yarding machine
other mobile silviculture machine																									other mobile silviculture machine
crane			2		2		1	3	2	1		1	1	2	1				2	1	3	4		26	crane
mobile crane			1						1	1		1	1	1		4	2	2			2			16	mobile crane
derrick crane																									derrick crane
elevator, lift																									elevator, lift
cargo lifting appliance																									cargo lifting appliance
gondola																									gondola
lumberyard equipment, logging cableway																							1	1	lumberyard equipment, logging cableway

simple skyline yarding equipment																									simple skyline yarding equipment
other powered crane			3				1		1		1			1				2				1	10		other powered crane
truck			26		25		18	21	10	19	25	12	13	15	20	16	14	11	17	14	14	18	21	329	truck
forklift					1		1	1	1		2		1	1	1		1		1			1		12	forklift
railway equipment					1																		1		railway equipment
conveyor			25		26		32	16	24	13	21	15	9	19	19	18	11	18	22	13	14	15	9	339	conveyor
loader			3		2		3	2	1		1			1		1		3	1	2	1	1		22	loader
straddle carrier																									straddle carrier
rough terrain hauler																									rough terrain hauler
other powered conveying machines			2					1	1		1	2	1		1	1	1	3			2			16	other powered conveying machines
cars, bus, motorcycle			1		5		1	3	1	2			1			2		1	2	1	3	1		24	cars, bus, motorcycle
railway vehicle																									railway vehicle
other vehicles			1							1							1					1		4	other vehicles
boiler																									boiler
pressure vessel							1									1								2	pressure vessel
other pressure vessels																									other pressure vessels
chemical facilities							1																	1	chemical facilities
gas welding					1		1				1		1		1	1						1		7	gas welding

facilities			3		9		2	3	3	6	4	4	5	2	7	2	1	1	2		7	2	1	64	facilities
scaffolding			1		1		2	2	3			2	2	1		3		1		1		2	2	23	scaffolding
timbering																									timbering
stairs, landing stage			3		7		1	4	4	4	4	1	2	3	3	3	2		1	4	4	3	4	57	stairs, landing stage
opening			1		2			1	3		1	1	1			1			1				1	13	opening
roof, beam, haze, crossbeam, principal rafter			2		1		2		1	1	2	1											1	11	roof, beam, haze, crossbeam, principal rafter
working platform, boot board			6		3		4	4	1	3	1	2		1	4	5	6	5	3	7	4	1	5	65	working platform, boot board
passage			9		6		8	6	6	5	4	9	7	3	8	8	9	5	9	10	3	3	9	127	passage
building, establishment			4		5		2	5	11	4	1	3	4	1	4	5	2	2		4	1	3	2	63	building, establishment
other temporary buildings, establishments			2		1			2	1	1	4	1	1		1	6	1	1	1	4	6			33	other temporary buildings, establishments
explosive substance					1		2						1	1					2	1				8	explosive substance
inflammable substance																									inflammable substance
inflammable gas																									inflammable gas
harmful substance			1		1							1												3	harmful substance
radiation																									radiation
other hazards, harmful substances			1															3	1	1				6	other hazards, harmful substances

metal material			5		3		7	11	6	5		5	5	5	2	5	4	3	3	2	2	2	4	79	metal material
lumber, bamboo			1		1			1				1	1											5	lumber, bamboo
stone, sand, substance			14		17		13	10	17	8	7	6	6	3	7	7	2	6	1	3	2	3	3	135	stone, sand, substance
other materials			1		1		1		1				1		1			1	1	1				9	other materials
load			2		2		1		2	2	2	3	2			1				1	2	3	2	25	load
machine/equipment as load			1		1				1						1								1	6	machine/equipment as load
natural ground, rock			17		16		13	15	7	8	9	8	12	8	8	12	12	2	9	3	5	12	2	178	natural ground, rock
standing tree			2		4		1		1				2	1		1	1		1			1		15	standing tree
water													2							1			1	4	water
abnormal environment										1														1	abnormal environment
high/cold temperature environment			1		2		1					1	1		1					1		2	1	11	high/cold temperature environment
other environments			4		1			1			2	1	4	1	2	6	2	1	2	1		1	1	30	other environments
other causal agent			1				2	1	2				1	1	1		1					1	1	12	other causal agent
no causal agent			4		6		2	1	4	3	4	3	2	1		2	5	3	1	3	4	3	2	53	no causal agent
unclassifiable												1												1	unclassifiable
total			248		208		193	174	175	135	135	120	116	105	142	142	113	102	126	113	107	118	113	2,685	total

Workers age of fatal and non-fatal accidents in quarrying 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	2	1		4	4	2	5	2	1						4	1		2			1		1	30	19 years old or less
20-29	36	29	25	14	15	12	10	13	12	10	6	7	7	4	16	8	6	4	6	6	7	7	4	264	20-29
30-39	43	30	27	28	30	28	27	37	18	23	22	20	23	16	18	28	18	15	12	14	7	9	12	505	30-39
40-49	57	50	61	48	43	36	39	36	44	25	30	27	20	33	27	33	27	26	35	25	32	28	13	795	40-49
50-59	114	90	92	64	75	60	83	64	67	44	41	33	39	31	34	35	33	21	39	26	32	34	46	1,197	50-59
60 years old or more	55	45	43	42	41	24	29	22	33	33	36	33	27	21	43	37	29	34	34	42	28	40	37	808	60 years old or more
total	307	245	248	200	208	162	193	174	175	135	135	120	116	105	142	142	113	102	126	113	107	118	113	3,599	total

Workers' number of workplace of fatal and non-fatal accidents in quarrying 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	120	78	70	74	79	62	82	61	67	44	50	51	44	36	53	48	42	29	41	30	17	39	36	1,253	9 workers or less
10-29	144	123	139	98	109	82	87	96	90	77	76	55	54	56	68	73	54	61	66	63	62	56	55	1,844	10-29
30-49	37	38	32	23	16	15	18	17	17	12	7	12	17	11	18	17	15	10	13	17	22	18	15	417	30-49
50-99	3	6	7	5	4	3	3		1	1	2	2	1	2	3	3	2	1	6	3	3	3	5	69	50-99
100-299	3						2			1						1		1			3	2	2	15	100-299
300 workers or more							1																	1	300 workers or more
total	307	245	248	200	208	162	193	174	175	135	135	120	116	105	142	142	113	102	126	113	107	118	113	3,599	total

Month of fatal and non-fatal accidents in quarrying 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	21	16	18	15	11	16	16	11	18	11	10	11	9	8	12	8	5	10	8	11	9	9	10	273	January
February	24	20	24	16	22	15	18	12	11	9	6	3	17	8	9	18	14	8	11	5	8	7	9	294	February
March	19	25	29	17	11	15	17	13	13	16	10	14	10	13	9	11	7	14	9	15	8	6	8	309	March
April	29	19	17	17	19	7	13	15	19	12	8	7	6	6	13	15	7	8	11	6	9	15	13	291	April
May	30	20	21	13	24	13	13	15	15	12	9	11	5	7	15	9	9	5	13	12	8	5	10	294	May
June	23	20	17	17	17	16	19	13	6	13	15	7	18	10	10	16	12	13	12	13	11	11	12	321	June
July	30	19	19	11	16	14	19	14	9	14	14	12	6	9	11	7	9	13	14	7	7	9	6	289	July
August	27	18	15	17	21	18	19	23	17	10	13	13	6	10	11	8	11	8	11	7	5	6	11	305	August
September	29	18	19	16	18	12	10	14	21	11	17	14	11	8	7	7	11	2	9	10	12	13	4	293	September
October	20	24	30	20	13	16	24	15	14	11	16	8	9	12	11	16	8	8	16	8	14	10	15	338	October
November	25	23	23	22	18	9	17	15	16	9	8	11	14	10	16	15	8	6	8	10	7	12	4	306	November
December	30	23	16	19	18	11	8	14	16	7	9	9	5	4	18	12	12	7	4	9	9	15	11	286	December
total	307	245	248	200	208	162	193	174	175	135	135	120	116	105	142	142	113	102	126	113	107	118	113	3,599	total

Prefecture of fatal and non-fatal accidents in quarrying 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	18	14	14		10		14	7	7	4	5	9	10	5	8	11	5	4	15	6	10	8	9	193	Hokkaido
Aomori	6	3	7		9		3	1		3	4	3	1	2	2	2		2	2		2	2	4	58	Aomori
Iwate	8	2	6		4		5	4	2	4	3	3	1	2	4	3	2	6	5	1	1	2	6	74	Iwate

Miyagi	5	5	3		2		6	8		2	5	1	4	6	6	8	6	3	6	4	3	2	4	89	Miyagi
Akita	5	7	2		4		3	2	4		2	1	2	3	4	4	1	2	1	3	4	1	2	57	Akita
Yamagata	6	6	9		6		5	5	2	3	1	3	1	1	3	5	3	3	2		4	2	2	72	Yamagata
Fukushima	7	12	2		11		11	4	5	5	1	4	2	3	6	3	6	5	3	7	2	2	3	104	Fukushima
Ibaraki	6	4	5		8		5	3	6	4	3	2	4	5	2	1	4	3	3	7	4	6	5	90	Ibaraki
Tochigi	4	3	1		5		5	5	7	6	4	2	9	4	5	2	3	4	3	6	1	4	4	87	Tochigi
Gunma	4	1	5		4			2	2	2	3	1	1	1	3	1			1	1	1	1		34	Gunma
Saitama	4	3	1				1	1	1	1	1	1			1				2	1	1			19	Saitama
Chiba	2									1	1		1	1			1	1						8	Chiba
Tokyo	8	7	3		1		3	4	4	1	3	1	3	4	2	2	2	1	1	2		2	2	56	Tokyo
Kanagawa	3	2	6		2			2	2	3	1	1		1	2	4	2		2		1	2	1	37	Kanagawa
Niigata	3	4	2					2	1	1					1					1			1	16	Niigata
Toyama	1	1	2				1									2				1				8	Toyama
Ishikawa	4	2	5		5		5		1	1	2	1			4	2	2		1			1	2	38	Ishikawa
Fukui	5	4	1		1		2		2			1	1	1	1		2	1	3	2		1		28	Fukui
Yamanashi	2	1			2		1			1	1	1	2	1				1	1	1	2	2		19	Yamanashi
Nagano	7	4	2		3		2	3	5	3	6	3	1		3	1	4	1	1	3	4	5	1	62	Nagano
Gifu	10	6	6		7		5	6	5	3	1	1	2	1	2	1	3	4	1	2	2	3		71	Gifu
Shizuoka	4	4	1		8		4	3	4	8	6	2	1	7	1	5	3	1	5	1	2	1	2	73	Shizuoka
Aichi	9	10	14		10		5	5	5	9	4	5	5	11	6	6	2	4	1	7	6	7	3	134	Aichi
Mie	11	17	17		9		4	3		4	4	4	1	1	7	5	5	4	4	3	5	2	8	118	Mie
Shiga		3	1				2	2	2		1	1	1		2		1	1	1		1	1		20	Shiga
Kyoto	3	3	4		8		4	2	4	2	1	1	1	2	6	5	3	2	6	1		5	2	65	Kyoto

Osaka	3	3	7		2		3		1	3	1	3	3	1	1		4	2	5	1	2	3	1	49	Osaka
Hyogo	16	11	16		6		11	8	10	7	7	12	8	8	3	8	4	2	3	1	2	8	8	159	Hyogo
Nara	1				2		2	1	2	1	1			2	1	1	2	2			4	1		23	Nara
Wakayama	4	1	2		1		2	2		1							1						1	15	Wakayama
Tottori	3	3	2		4		2	1	2	1	1	1	1		1	1		2	1	1		1		28	Tottori
Shimane	8	5	3		3		6	1	6	3	4	2	3	2	1		1	3		4	1		2	58	Shimane
Okayama	7	9	9		8		7	9	10	7	6	4	6	5	9	7	5	7	9	5	4	5	8	146	Okayama
Hiroshima	15	14	11		6		6	5	11	1	5	3	4	3	8	6	4	1	5	7	5	3	4	127	Hiroshima
Yamaguchi	5	5	5		5		2	8	4	1	4	5	1	2	3	4	4	3	1	2		3	3	70	Yamaguchi
Tokushima	1	2	1		1			2		1	4	1		1		2	1	1	4	1	1	2		26	Tokushima
Kagawa	18	7	9		8		11	5	7	7	5	3			2	4	2	5	2	3	4	3	1	106	Kagawa
Ehime	14	10	14		15		11	12	12	4	9	9	12	5	11	12	9	4	4	6	2	3	4	182	Ehime
Kochi	5		4		1		2		3	2	1	2	1					1	1		2	2		27	Kochi
Fukuoka	16	9	7		5		3	12	6	7	6	5	8	3	4	4	4	4	3	5	4	2	7	124	Fukuoka
Saga	5	2	7		3		1	5	2	4	2	4	1	2	1	2	4	1	1	4	2	2	4	59	Saga
Nagasaki	10	6	7		3		7	5	5	4	5	2	4		4	6	2	2	4	2	7	5	2	92	Nagasaki
Kumamoto	17	19	9		7		11	12	6	3	5	7	4	5	5	3	2	2	5	4	6	6	3	141	Kumamoto
Oita	5	4	2		3		3	3	4	3	2	2	1	1	2	4	1	3		1	2	2	1	49	Oita
Miyazaki	4	1	8							1	3		1		1	1	1		2	1	2	2	1	29	Miyazaki
Kagoshima	5	6	5		6		6	9	13	3	1	3	4	3	3	4	2	4	5	4	1	3	2	92	Kagoshima
Okinawa			1				1								1				1	1				5	Okinawa
total	307	245	248		208		193	174	175	135	135	120	116	105	142	142	113	102	126	113	107	118	113	3,237	total

[illegible]

injury to the sole of the foot																									injury to the sole of the foot
drown												1												1	drown
contact to high/low-temperature																									contact to high/low-temperature
contact to harmful substance																									contact to harmful substance
electric shock		1	1			1																		3	electric shock
explosion	1																		1					2	explosion
burst																									burst
fire															1									1	fire
traffic accident (public road)		1																						1	traffic accident (public road)
traffic accident (others)																									traffic accident (others)
reaction to motion/improper motion																									reaction to motion/improper motion
others									1				1											2	others
unclassifiable																									unclassifiable
total	15	13	15	13	6	7	11	11	7	5	7	2	8	2	5	8	5	3	8	2	6	6	5	170	total

Causal agents (large) of fatal accidents in quarrying 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	4	6	6	5	1	2	2	3	1	2	2	1	4		3	2	2	1	3		1	1	3	55	machine
crane, conveying machine	4	2	3	3	3	2	3	6	5	2	5	1	1	1	1	1	2	2	3		3	3	1	57	crane, conveying machine
other equipment		1	2			2										1	1							7	other equipment
temporary buildings, establishments	1		1													2					1		1	6	temporary buildings, establishments
substance, material	2	2					2	1											1	1		1		10	substance, material
load																									load
environment	4	2	3	5	2	1	4	1		1			3	1	1	2			1	1	1	1		34	environment
others									1															1	others
total	15	13	15	13	6	7	11	11	7	5	7	2	8	2	5	8	5	3	8	2	6	6	5	170	total

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

[illegible]

engine																									engine
power transmission mechanism																									power transmission mechanism
woodworking machine																									woodworking machine
construction machine	4	2	4	5	1	2	2	1	1	2	2	1	4		2	2	2	1	3		1	1	3	46	construction machine
metal manufacturing machine																									metal manufacturing machine
general machine		4	2					2							1									9	general machine
mobile silviculture machine																									mobile silviculture machine
crane																									crane
conveying machine	3	2	3	3	3	2	3	6	5	2	5	1	1	1	1	1	2	2	3		3	3	1	56	conveying machine
vehicle	1																							1	vehicle
pressure vessel																									pressure vessel
chemical facilities																									chemical facilities
welding equipment			1													1								2	welding equipment

[illegible]

total	15	13	15	13	6	7	11	11	7	5	7	2	8	2	5	8	5	3	8	2	6	6	5	170	total
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Causal agents (small) of fatal accidents in quarrying in 1999-2021

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

hand tool																									hand tool
ladder																1								1	ladder
slinging tool		1	1																					2	slinging tool
other tools						1																		1	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															1									1	working platform, boot board
passage	1														1								1	3	passage
building, establishment			1																	1				2	building, establishment
other temporary buildings, establishments																									other temporary buildings, establishments
explosive substance	1						1											1	1					4	explosive substance
inflammable substance																									inflammable substance

[illegible]

no causal agent								1																1	no causal agent
unclassifiable																									unclassifiable
total	15	13	15	13	6	7	11	11	7	5	7	2	8	2	5	8	5	3	8	2	6	6	5	170	total

Workers age of fatal accidents in quarrying 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	2	2		1			2					2		1	2						1		14	20-29
30-39	1		1	2		2		2	1	1	1					1				1				13	30-39
40-49	1	2	2	5	2		4	1	1		3		2		1			1	2		1	2		30	40-49
50-59	7	6	6	4	2	4	5	5	3	2	1	1	2	1	1	2	3		4		2	1	2	64	50-59
60 years old or more	5	3	4	2	1	1	2		2	2	2	1	2	1	2	3	2	2	2	1	3	2	3	48	60 years old or more
total	15	13	15	13	6	7	11	11	7	5	7	2	8	2	5	8	5	3	8	2	6	6	5	170	total

Workers' number of workplace of fatal accidents in quarrying 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	2	7	4	4	2	1	3	2	2	1	2		1	1	1	3	2		5	1	2	4	1	51	9 workers or less
10-29	12	5	9	6	4	6	7	9	5	4	4	2	6	1	4	4	2	2	2	1	4	2	3	104	10-29
30-49	1	1	2	3			1				1		1			1	1	1						13	30-49
50-99																			1				1	2	50-99

100-299																										100-299
300 workers or more																										300 workers or more
total	15	13	15	13	6	7	11	11	7	5	7	2	8	2	5	8	5	3	8	2	6	6	5	170	total	

Month of fatal accidents in quarrying 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	2	3	1		1	2								1			1	1		1			14	January
February		1	2	1	2		1						1			1	1	1	1			1		13	February
March		1	2	1		1				1	1		2		1						1			11	March
April	1	1		1		1	1	4	2			1				2		1					1	16	April
May	2			1		1	1		1	1			1	1		1			1			1		12	May
June	2		1		1		1	1		1	4		2				1		1			1	1	17	June
July	1		2	1			2	2		1	1	1		1	1		1		1					15	July
August	3	1	1		1	3		1	1							1				1				13	August
September				2			1	1									2		1	1	2	1		11	September
October	1	1	3	1	1		1	1							1				2		2		1	15	October
November	2	2	1	3			1		1				2			2						1	1	16	November
December	2	4		1	1			1	2	1	1				1	1						1	1	17	December
total	15	13	15	13	6	7	11	11	7	5	7	2	8	2	5	8	5	3	8	2	6	6	5	170	total

Prefecture of fatal accidents in quarrying in 1999-2021

[illegible]

Shizuoka		2		1		1	1			1								1		1			8	Shizuoka	
Aichi	1		1							1			1	1							1		6	Aichi	
Mie	1		1										1			1	1						5	Mie	
Shiga	1	1																					2	Shiga	
Kyoto					2			1	1		1						1					1		7	Kyoto
Osaka													1				1		1				3	Osaka	
Hyogo			2			1			1		1	1												6	Hyogo
Nara							1																1	Nara	
Wakayama							1																1	Wakayama	
Tottori					1																		1	Tottori	
Shimane		1			1					1					1								4	Shimane	
Okayama	1		2															3					6	Okayama	
Hiroshima	3			1				2			1					1					1	1		10	Hiroshima
Yamaguchi		1															1	1				1		4	Yamaguchi
Tokushima				1																				1	Tokushima
Kagawa						1		1																2	Kagawa
Ehime			1	1			1								1	1								5	Ehime
Kochi			1				1				1													3	Kochi
Fukuoka			3	1				2															1	7	Fukuoka
Saga		1	1																				1	3	Saga
Nagasaki								1					1						1	1	1			5	Nagasaki
Kumamoto	1	1		1																	1			4	Kumamoto
Oita	1			1																	1			3	Oita

Miyazaki			1																			1		2	Miyazaki
Kagoshima		1		2		1			2			1												7	Kagoshima
Okinawa																									Okinawa
total	15	13	15	13	6	7	11	11	7	5	7	2	8	2	5	8	5	3	8	2	6	6	5	170	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