

unclassifiable	0	1	0	-	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
total	18	28	25	8	23	22	20	23	11	12	9	8	9	7	14	5	11	13	11	15	15	9

Causal agents (middle) of industrial accidents in other mining in 1999-2020

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
engine	0	0	0	-	0	-	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
power transmission mechanism	0	1	1	-	0	-	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0
woodworking machine	0	0	0	-	1	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
construction machine	3	2	3	-	2	2	5	1	3	0	1	2	0	0	2	0	0	2	2	1	1	0
metal manufacturing machine	1	0	0	-	0	1	0	1	0	0	0	0	1	0	2	1	0	0	0	0	0	1
general machine	2	2	2	-	1	-	2	0	0	2	0	0	0	0	0	0	1	1	1	0	0	0
mobile silviculture machine																	0	0	0	0	0	0
crane	1	1	0	1	0	-	0	0	1	0	0	1	1	0	0	0	1	0	0	0	0	0
conveying machine	2	6	8	5	2	9	5	5	3	2	2	2	3	1	4	0	3	3	1	3	3	1
vehicle	0	0	0	-	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
pressure vessel	0	0	0	-	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
chemical facilities	0	0	0	-	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
welding equipment	0	0	0	-	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
kiln, caldron	0	0	0	-	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
electric equipment	0	0	0	-	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
human power machine, tools	1	1	1	-	1	-	0	2	0	0	1	0	0	0	1	0	0	0	0	0	0	0
tools	3	1	1	-	1	1	2	1	1	1	0	0	0	0	0	1	0	1	1	1	0	0
other equipments, facilities	0	0	0	-	7	-	1	3	0	0	0	0	0	0	2	0	0	1	0	0	1	0
temporary buildings,	1	6	4	1	4	5	4	3	1	2	1	3	2	3	1	2	4	2	4	4	5	3

establishments																						
hazards, harmful substances	0	0	0	-	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
materials	3	5	1	-	1	-	0	3	1	2	2	0	0	0	0	0	0	2	1	1	3	1
load	0	0	1	-	0	1	1	1	0	1	2	0	2	0	0	0	1	0	0	0	1	0
natural environment	0	2	0	1	2	-	0	2	1	2	0	0	0	1	1	0	1	0	0	2	0	1
other causal agent	1	0	2	-	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
no causal agent	0	0	1	-	0	-	0	0	0	0	0	0	0	1	1	0	0	1	0	2	1	1
unclassifiable	0	1	0	-	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
total	18	28	25	8	23	22	20	23	11	12	9	8	9	7	14	5	11	13	11	15	15	9

Causal agents (small) of industrial accidents in other mining in 1999-2020

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
engine			0		0		0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
power transmission mechanism			1		0		0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0
circular sawing machine			0		1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
band sawing machine			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
wood planer machine			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
hollow chisel mortiser, wood borer			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
chamfering machine, router, woodworking milling machine			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
chain saw			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other woodworking machines			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
leveling, transporting or loading machine			0		0		3	1	1	0	0	2	0	0	1	0	0	1	0	0	0	0
excavating machine			2		2		0	0	1	0	0	0	0	0	0	0	0	1	1	0	0	0

equipment																						
arc welding equipment			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other welding equipment			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
kiln, caldron			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
industrial dryer			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other kiln, caldron			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
transmission			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
electric power facilities			0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
other electrical equipment			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
human power cranes			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
human power hauling equipment			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
human power machine			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
hand tool			1	1	0	2	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0
ladder			1	0	2	0	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0
slinging tool			0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
other tools			0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
other equipment, facilities			0	7	1	3	0	0	0	0	0	0	2	0	0	1	0	0	1	0	0	0
scaffolding			0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
timbering			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
stairs, landing stage			1	0	2	1	0	1	0	1	0	1	0	0	1	0	1	0	0	0	0	0
opening			1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
roof, beam, haze, crossbeam, principal rafter			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
working platform, boot board			1	1	0	0	0	0	0	0	0	0	0	0	0	1	2	2	0	2	0	2
passage			0	2	1	1	0	0	1	1	1	1	0	0	1	0	1	1	3	0	0	0
building, establishment			1	1	1	0	1	0	0	1	1	1	1	1	2	1	0	1	1	0	0	0

19 years old or less	0	1	0	-	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
20-29	5	0	2	1	5	3	2	1	3	0	0	0	0	1	1	1	0	1	1	1	2	1
30-39	4	5	4	3	1	1	4	3	1	3	1	1	1	1	4	1	4	2	2	0	2	2
40-49	1	8	6	2	2	8	4	6	4	2	4	2	4	2	5	0	2	1	1	5	3	2
50-59	7	9	9	2	10	7	5	8	1	2	4	2	2	2	2	1	3	2	3	3	5	3
60 years old or more	1	5	4	-	3	2	5	4	2	5	0	3	2	1	2	2	2	7	4	6	3	1
total	18	28	25	8	23	22	20	23	11	12	9	8	9	7	14	5	11	13	11	15	15	9

Workers' number of workplace of industrial accidents in other mining in 1999-2020

Workers scale	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
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
10-29	4	9	12	4	12	9	6	16	4	4	4	2	3	2	7	1	1	3	6	7	4	3
30-49	2	3	2	1	4	3	6	1	0	3	0	1	2	0	3	1	5	2	0	2	2	3
50-99	2	2	1	-	0	4	1	1	0	1	0	3	2	1	0	0	2	3	3	2	7	1
100-299	0	0	0	1	3	3	0	1	0	1	0	1	0	0	1	0	0	0	0	0	0	1
300 workers or more	1	3	1	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
total	18	28	25	8	23	22	20	23	11	12	9	8	9	7	14	5	11	13	11	15	15	9

Month of industrial accidents in other mining in 1999-2020

Month	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
January	0	0	0	2	1	5	3	3	3	1	0	1	0	1	3	0	1	2	0	1	2	1
February	2	4	0	2	2	1	0	6	0	0	2	1	2	1	1	1	0	0	0	1	1	2
March	3	1	2	2	0	0	4	3	1	1	0	1	1	0	1	2	0	1	0	1	3	0
April	1	2	3	-	2	2	2	3	0	0	2	0	0	0	0	1	0	3	1	0	1	0
May	2	1	1	-	7	4	0	0	3	2	1	1	0	1	1	0	1	1	0	2	1	0
June	2	2	3	1	1	0	2	2	0	0	0	0	0	0	0	0	1	2	1	1	1	0
July	3	2	4	-	5	1	0	0	0	0	0	1	0	1	2	0	0	0	0	0	0	2
August	3	4	4	-	0	1	3	0	0	1	2	1	1	0	0	0	2	0	1	1	1	0
September	1	2	0	-	2	3	2	0	0	1	1	1	3	0	1	1	2	0	1	3	1	1
October	1	4	3	1	0	1	3	2	1	2	0	0	0	1	4	0	2	0	0	2	1	2
November	0	3	2	-	2	4	1	1	0	2	0	0	1	0	0	0	1	3	2	1	3	0
December	0	3	3	-	1	0	0	3	3	2	1	1	1	2	1	0	1	1	5	2	0	1

construction machine	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
metal manufacturing machine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
general machine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
mobile silviculture machine																0	0	0	0	0	0	0
crane	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
conveying machine	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0
vehicle	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
pressure vessel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
chemical facilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
welding equipment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
kiln, caldron	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
electric equipment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
human power machine, tools	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
tools	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other equipments, facilities	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
temporary buildings, establishments	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
hazards, harmful substances	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
materials	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0
load	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
natural environment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other causal agent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
no causal agent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
unclassifiable	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
total	0	0	1	0	4	1	0	1	2	1	0	1	1	0	0	0	0	1	0	0	0	0

stone, sand, substance	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0
other materials	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
load	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
machine/equipment as load	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
natural ground, rock	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
standing tree	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
water	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
abnormal environment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
high/cold temperature environment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other environments	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other causal agent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
no causal agent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
unclassifiable	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
total	0	0	1	0	4	1	0	1	2	1	0	1	1	0	0	0	0	1	0	0	0	0

Workers age of fatal accidents in other mining in 1999-2020

Age	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
19 years old or less	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20-29	0	0	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
30-39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
40-49	0	0	1	0	1	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0
50-59	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60 years old or more	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0
total	0	0	1	0	4	1	0	1	2	1	0	1	1	0	0	0	0	1	0	0	0	0

Workers' number of workplace of fatal accidents in other mining in 1999-2020

Workers scale	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
9 workers or less	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0

Oita	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miyazaki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kagoshima	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Okinawa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
total	0	0	1	0	4	1	0	1	2	1	0	1	1	0	0	0	0	1	0	0	0	0

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

Return to https://www.jisha.or.jp/english/statistics/2020e_industry.html