



unclassifiable	0	1	0	-	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
total	58	45	47	1	4	1	4	1	1	2	0	2	1	2	4	1	0	0	1	6	0	0

Causal agents (middle) of industrial accidents in general coal 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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
power transmission mechanism	2	0	0	-	0	-	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0
woodworking machine	0	0	0	-	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
construction machine	2	0	0	-	1	-	0	0	0	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
general machine	0	1	5	-	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
crane	0	2	3	-	0	-	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
conveying machine	6	6	3	-	1	-	1	0	0	0	0	0	0	0	1	1	0	0	0	1	0	0
vehicle	0	0	0	-	0	-	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
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	-	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
human power machine, tools	10	2	2	-	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
tools	2	6	1	-	0	-	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
other equipments, facilities	0	5	1	-	1	-	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
temporary buildings,	7	4	7	-	0	1	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0









other temporary buildings, establishments			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
explosive substance			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
inflammable substance			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
inflammable gas			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
harmful substance			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
radiation			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other hazards, harmful substances			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
metal material			9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
lumber, bamboo			2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
stone, sand, substance			5	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	0	0	0
other materials			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
load			1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
machine/equipment as load			1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
natural ground, rock			5	1	1	0	0	1	0	1	0	1	0	0	0	0	0	2	0	0	0
standing tree			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
abnormal environment			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
other environments			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	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
no causal agent			2	0	0	0	0	0	0	0	0	1	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
total			47	4	4	1	1	2	0	2	1	2	4	1	0	0	1	6	0	0	0

Workers age of industrial accidents in general coal 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
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19 years old or less	1	0	0	-	1	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20-29	4	1	1	-	0	-	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
30-39	10	5	9	-	0	-	1	0	0	0	0	0	1	0	1	0	0	0	0	1	0	0
40-49	24	23	22	-	2	1	1	0	0	0	0	2	0	0	1	0	0	0	0	0	0	0
50-59	17	16	15	1	1	-	1	1	0	0	0	0	0	1	2	0	0	0	1	4	0	0
60 years old or more	2	0	0	-	0	-	0	0	1	2	0	0	0	0	0	1	0	0	0	1	0	0
total	58	45	47	1	4	1	4	1	1	2	0	2	1	2	4	1	0	0	1	6	0	0

Workers' number of workplace of industrial accidents in general coal 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	3	-	2	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
10-29	11	3	1	1	1	0	0	0	1	2	0	0	1	0	1	0	0	0	1	2	0	0
30-49	0	4	1	-	0	0	0	1	0	0	0	0	0	2	1	0	0	0	0	1	0	0
50-99	11	8	4	-	1	0	1	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0
100-299	13	8	7	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0
300 workers or more	23	22	31	-	0	1	2	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0
total	58	45	47	1	4	1	4	1	1	2	0	2	1	2	4	1	0	0	1	6	0	0

Month of industrial accidents in general coal 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	5	5	2	-	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
February	7	7	4	-	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0
March	2	2	5	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
April	6	4	6	-	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	2	0	0
May	7	2	5	-	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0
June	3	4	7	-	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0
July	6	4	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
August	4	3	2	-	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0
September	5	1	5	-	1	0	0	1	0	0	0	0	1	0	0	1	0	0	0	0	0	0
October	6	4	4	-	0	0	1	0	0	0	0	1	0	0	1	0	0	0	0	1	0	0
November	5	5	6	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
December	2	4	0	-	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	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	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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](https://www.jisha.or.jp/english/statistics/2020e_industry.html)