

unclassifiable	0	0	0	-	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	
total	168	178	210	163	132	168	149	167	170	159	103	122	111	112	120	102	107	118	121	128	109	85

Causal agents (middle) of industrial accidents in nonferrous metals casting products 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	1	1	1	0	1	0	1	1	4	0	1	1	1	1	1	0	1	0	0	0	0
woodworking machine	1	3	4	2	3	5	2	0	2	2	1	0	0	1	1	0	1	2	1	2	1	4
construction machine	0	1	0	-	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
metal manufacturing machine	41	41	43	45	25	30	35	37	41	35	23	25	25	23	20	30	24	20	24	17	22	18
general machine	15	18	26	25	25	22	19	16	20	27	9	11	5	13	14	6	17	13	18	19	8	8
mobile silviculture machine																	0	0	0	0	0	0
crane	5	13	9	4	4	6	8	5	4	1	8	9	5	5	4	7	6	5	5	5	6	5
conveying machine	14	8	9	7	12	15	5	5	9	9	9	8	6	6	13	3	6	7	6	5	10	2
vehicle	0	0	1	1	0	1	2	1	1	1	0	2	0	1	1	0	0	2	0	1	1	0
pressure vessel	0	0	0	-	0	-	0	0	0	0	0	0	0	0	0	0	0	1	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	1	0	-	1	-	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0
kiln, caldron	8	11	9	4	4	7	7	9	11	8	5	4	3	2	8	3	2	4	9	8	3	3
electric equipment	0	1	1	-	0	-	0	0	0	0	1	0	0	0	0	0	0	0	0	0	2	2
human power machine, tools	4	9	9	5	6	10	8	9	8	5	6	5	7	7	8	8	4	6	4	7	5	5
tools	11	6	10	9	9	4	10	13	10	13	8	6	10	11	10	3	11	11	11	8	7	5
other equipments, facilities	6	5	6	9	3	3	4	5	3	4	6	4	4	4	2	5	2	1	5	5	4	3
temporary buildings,	11	11	18	11	13	15	3	16	8	16	7	16	10	14	9	9	6	9	14	13	9	7

equipment																						
arc welding equipment			0	1		0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	
other welding equipment			0	0		0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
kiln, caldron			9	3		6	9	10	8	5	4	3	2	8	3	2	1	8	8	3	2	
industrial dryer			0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
other kiln, caldron			0	1		1	0	1	0	0	0	0	0	0	0	0	3	1	0	0	1	
transmission			0	0		0	0	0	0	1	0	0	0	0	0	0	0	0	0	2	1	
electric power facilities			0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
other electrical equipment			1	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
human power cranes			0	0		1	0	0	0	0	0	1	0	0	0	0	1	1	0	1		
human power hauling equipment			2	4		3	1	4	2	1	3	1	3	3	2	3	3	0	3	2	1	
human power machine			1	0		0	1	0	0	0	2	0	0	0	0	0	0	0	0	1	0	
hand tool			6	2		4	7	4	3	5	0	5	4	5	6	1	3	3	3	2	3	
ladder			2	0		3	4	3	1	4	2	3	2	2	0	3	4	5	4	2	1	
slinging tool			4	2		6	4	2	3	0	2	2	0	2	2	0	2	1	0	0	1	
other tools			4	7		1	5	5	9	4	2	5	9	6	1	8	5	5	4	5	3	
other equipment, facilities			6	3		4	5	3	4	6	4	4	4	2	5	2	1	5	5	4	3	
scaffolding			0	0		0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	
timbering			0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
stairs, landing stage			2	1		0	0	1	5	0	1	0	4	1	1	0	2	4	6	1	1	
opening			1	0		0	1	0	0	0	0	1	0	0	0	0	1	0	0	1		
roof, beam, haze, crossbeam, principal rafter			1	0		0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	
working platform, boot board			3	5		1	5	2	2	1	2	3	2	1	0	1	0	2	2	2	0	
passage			7	3		1	5	4	3	5	8	3	6	5	5	3	6	4	4	4	5	
building, establishment			4	2		1	2	1	4	0	3	2	1	1	2	1	0	2	1	0	0	

19 years old or less	6	4	6	13	7	10	5	8	3	9	3	5	6	1	3	1	4	2	2	3	2	2
20-29	35	41	38	25	33	35	34	29	39	38	30	20	24	23	20	23	29	24	30	32	22	15
30-39	19	30	50	35	20	34	32	30	34	30	21	29	25	24	24	19	24	28	26	17	23	12
40-49	34	30	35	23	25	26	25	33	44	26	13	33	30	16	34	20	19	27	28	27	24	17
50-59	50	50	59	46	35	39	29	46	29	30	24	17	16	25	22	20	16	21	21	37	22	22
60 years old or more	24	23	22	21	12	24	24	21	21	26	12	18	10	23	17	19	15	16	14	12	16	17
total	168	178	210	163	132	168	149	167	170	159	103	122	111	112	120	102	107	118	121	128	109	85

Workers' number of workplace of industrial accidents in nonferrous metals casting products 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	33	36	50	25	28	35	36	24	25	25	11	20	21	25	18	17	19	17	10	16	12	18
10-29	46	52	59	58	41	53	50	53	51	46	29	31	30	34	42	36	37	30	40	39	32	22
30-49	38	34	35	36	19	35	18	30	27	21	23	28	27	20	13	16	22	15	21	19	16	14
50-99	22	27	34	16	27	23	30	33	33	31	17	23	14	14	23	23	15	25	24	26	12	12
100-299	24	23	23	18	12	17	9	24	23	27	18	14	18	14	21	8	12	27	22	23	34	17
300 workers or more	5	6	9	10	5	5	6	3	11	9	5	6	1	5	3	2	2	4	4	5	3	2
total	168	178	210	163	132	168	149	167	170	159	103	122	111	112	120	102	107	118	121	128	109	85

Month of industrial accidents in nonferrous metals casting products 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	10	12	12	14	8	22	15	19	9	15	5	6	8	12	7	9	14	12	8	9	12	7
February	14	13	15	6	11	15	13	8	20	14	9	10	12	15	10	10	8	15	13	11	15	7
March	24	23	15	18	9	17	13	15	21	15	12	8	14	10	10	9	4	9	15	17	9	13
April	13	17	16	27	16	7	14	17	12	12	12	8	7	7	15	8	10	3	10	8	7	9
May	17	19	16	10	12	15	9	10	11	10	9	13	9	9	11	5	18	5	6	10	7	6
June	13	13	27	13	17	15	13	14	19	12	11	14	10	11	7	10	6	9	10	10	8	4
July	14	8	20	21	12	12	5	19	20	13	7	9	9	8	12	10	12	17	13	15	5	5
August	12	14	20	4	10	15	17	13	15	16	9	8	8	5	8	11	8	15	13	11	13	5
September	13	13	22	16	14	15	10	14	12	14	6	7	2	5	14	6	7	8	8	9	7	9
October	8	12	18	10	10	14	14	16	12	18	7	13	12	7	12	10	4	10	10	10	10	6
November	16	18	18	13	6	11	19	15	9	9	11	9	12	13	7	7	8	7	7	8	11	9
December	14	16	11	11	7	10	7	7	10	11	5	17	8	10	7	7	8	8	8	10	5	5

construction machine	0	0	0	0	0	0	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	2	0	0	0	0	0	1	1	0	0	0	0	0	0	1
general machine	0	0	1	1	1	0	1	2	0	2	0	0	1	1	1	1	2	0	0	0	0	0
mobile silviculture machine																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	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
vehicle	0	0	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	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	1	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	1	0	0
other equipments, facilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
temporary buildings, establishments	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
hazards, harmful substances	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
materials	0	0	1	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
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	2	1	2	1	1	2	1	5	0	3	0	0	1	3	4	1	2	0	0	1	0	1

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	1	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	2	1	2	1	1	2	1	5	0	3	0	0	1	3	4	1	2	0	0	1	0	1

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