

Fatal and non-fatal accidents in other nonferrous metal products in Japan in 1999-2022

other nonferrous metal products industry Code No.011109

Type of accidents in other nonferrous metal products in 1999-2022

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	2022	total
fall from height	11	14	14	15	10	15	20	17	17	19	13	12	12	17	13	14	10	13	16	13	10	12	9	18	334
falling to same level	19	16	20	21	12	16	16	16	18	26	19	14	11	19	11	11	16	10	10	17	16	14	15	24	387
crash	5	5	13	6	6	8	7	8	10	7	4	3	4	5	3	3	2	6	3	11	3	7	3	5	137
struck by flying or falling object	21	29	18	14	16	28	18	16	27	17	13	9	9	22	10	14	5	13	8	10	4	7	11	10	349
collapse	3	8	6	4	5	1	6	3	5	5	4	2	1	5	2	3	3	2		3	4	2	2	4	83
crashed by	12	8	9	14	4	4	7	5	7	6	6	9	11	8	7	7	4	11	2	9	4	10	2	6	172
caught in/between	73	63	74	73	75	71	65	60	56	69	46	52	48	53	50	36	46	51	38	49	41	34	41	45	1,309
cut	23	21	12	19	21	17	23	13	9	11	12	8	13	12	11	7	11	10	10	8	4	8	8	6	297
injury to the sole of the foot	1	1	2		1	1		1	2					1			2						1		13
drown			1									1													2
contact to high/low-	13	15	9	5	14	22	9	14	17	13	5	12	7	14	11	11	9	5	5	12	7	6	10	5	250

temperature																									
contact to harmful substance	5	1	3	6	4	2	2	4	1	4	4	3	6	3		2		3	1	2		1	1	1	59
electric shock		2	1	1		1				1	1	1													8
explosion	3	3	2	2	4		2	1	1	3	1		2										3	1	28
burst				1	1			1	2									3		1					9
fire								1		1			1		2					2		1			8
traffic accident (public road)	1	2	2	1	4	2	6	1	1	2					3	1	2			1					29
traffic accident (others)																1									1
reaction to motion/improper motion	11	13	17	16	10	11	18	14	23	23	15	8	10	7	18	6	9	7	16	14	17	14	10	23	330
others	1	2			2		1			1		2		3			2	1	1		1	1	4		22
unclassifiable					1		1			1						2		1				1			7
total	202	203	203	198	190	199	201	175	196	209	143	136	134	170	136	121	121	138	110	149	114	117	121	148	3,834

Causal agents (large) of fatal and non-fatal accidents in other nonferrous metal products in 1999-2022

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	2022	total
machine	83	58	64	65	74	72	60	57	61	59	45	48	45	48	43	40	42	45	35	48	33	31	38	36	1,230

crane, conveying machine	24	28	24	37	20	23	34	20	23	21	12	16	17	26	21	14	15	21	19	23	19	15	11	17	500
other equipment	27	35	36	30	32	34	30	24	48	38	22	21	22	39	22	26	15	29	14	26	23	22	20	21	656
temporary buildings, establishments	16	19	17	21	18	15	18	18	13	28	22	10	18	16	13	12	15	10	16	20	9	10	15	30	399
substance, material	35	40	36	29	31	33	36	38	28	33	23	22	24	24	25	19	16	20	12	14	8	15	15	22	598
load	11	13	15	11	10	14	12	6	13	17	13	6	6	5	2	2	9	7	3	5	9	12	10	11	222
environment	4	2	2	1	3	4	1	3	2	4	1	6	1	6	2	3	4	1	3	3	4	1	4	2	67
others	2	8	9	4	2	4	10	9	8	9	5	7	1	6	8	5	5	5	8	10	9	11	8	9	162
total	202	203	203	198	190	199	201	175	196	209	143	136	134	170	136	121	121	138	110	149	114	117	121	148	3,834

Causal agents (middle) of fatal and non-fatal accidents in other nonferrous metal products in 1999-2022

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	2022	total
engine																									
power transmission mechanism	3	4	5	2	2	2	3	1	1	1	2	1	1	2	1	1	1	2	1	3	3	1	1	1	45
woodworking machine	3	1	1	4	4	2	2	2	1	1		1	3	3		3	2		1			1			35

demolition machine								1									1		1			1		4	
vehicle for high lift work																									
other construction machines																					1			1	
lathe			5		1			1		2	2	1	3		1	1		2	1	4	1	4	2	3	34
drill press, milling machine			3		7		1	2	4	3	2	3	1		3	2	2	2	1	3	3		1	1	44
grinding machine, buffing machine					3		5	5	2	5	3	2	2	4	3	2	3	3	5	3	1	1	5	2	59
power press			6		9		2	8	10	7	5	3	6	4	2	4	4	2	6	2	3		1	1	85
forging pressure hammer								1																	2
shearing machine			1		1		2		2	2	3	3	2	2				3		2	1	1	2	1	28
other metal manufacturing machines			15		14		23	13	19	12	15	11	12	16	10	11	13	14	9	14	5	5	10	12	253
centrifugal machine																		1							1
mixer, grinder			2		2				2	2		1	1		1		1	1	3		1	2			19
roll machine (except printingroll machine)			4		4		7	7		6	3	7	2	6	6	1	5	3	2	2		1		1	67

human power machine				1		1			1						2							1	6	
hand tool			3	6		2	3	3	3	3	2	1	3	4	2		1		1	2	1	1	2	43
ladder			5	1		6	6	8	6	3	6	4	3	1	3	3	2	2	7	4	4		2	76
slinging tool			3	3		2		3		3		2	3	1	1	1			2	1	1	2		28
other tools			9	7		4	4	12	7	1	1	5	11	4	5	6	8	4	5	3	7	3	7	113
other equipment, facilities			3	3		7	2	5	6	5	3	4	5	6	6	1	4	3	4	4	4	2	5	82
scaffolding							1						1				1						1	4
timbering																								
stairs, landing stage			3	3		5	4	2	4	6		1	1	3	3	5	2	6	3	3	2	2	9	67
opening								1					1											2
roof, beam, haze, crossbeam, principal rafter												2										1	1	4
working platform, boot board			4	3		1	4	3	3	1	3	2	4	2	2	3	4	2	2	2		2	3	50
passage			8	6		6	8	6	15	11	5	7	6	5	4	5	3	5	7	4	4	6	11	132
building, establishment			2	3		3		1	4	2	2	5	1	3	1	2		3	3		2	2	2	41
other temporary buildings,				3		3	1		2	2		1	2		2			5		2	2	3	28	

environment																			1					1	
high/cold temperature environment					1			2	1	2	1	3		5		2	2	1		1	2		1	2	26
other environments			1		2		1	1	1	2		1			2	1	2		1	1	2	1	1	20	
other causal agent					1		4			2		2		2		2	2	1	2	3	1	2	4	2	30
no causal agent			9				5	8	8	7	5	5	1	4	8	2	3	3	6	7	8	9	4	7	109
unclassifiable					1		1	1								1		1						5	
total	202	203	203	198	190	199	201	175	196	209	143	136	134	170	136	121	121	138	110	149	114	117	121	148	3,834

Workers age of fatal and non-fatal accidents in other nonferrous metal products in 1999-2022

Age	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
19 years old or less	4	5	6	5	8	6	9	4	5	4	3	3	3	6	5	1	5	5	2	5	3	1	3	10	111
20-29	35	48	45	33	37	40	40	28	33	45	26	22	23	40	26	22	20	32	25	27	21	15	19	29	731
30-39	38	42	35	40	49	46	42	49	41	45	33	38	41	38	31	24	30	30	16	28	24	24	24	28	836
40-49	48	43	42	31	32	41	30	30	42	38	35	31	38	34	27	41	28	40	29	45	28	31	29	23	836
50-59	57	57	57	67	41	47	53	36	43	53	30	29	12	32	29	18	22	15	26	25	21	33	26	41	870
60 years old or more	20	8	18	22	23	19	27	28	32	24	16	13	17	20	18	15	16	16	12	19	17	13	20	17	450
total	202	203	203	198	190	199	201	175	196	209	143	136	134	170	136	121	121	138	110	149	114	117	121	148	3,834

Workers' number of workplace of fatal and non-fatal accidents in other nonferrous metal products in 1999-2022

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	2022	total
9 workers or less	47	43	38	33	41	38	43	27	33	25	28	16	20	25	17	13	12	21	17	21	13	16	17	20	624
10-29	49	49	53	57	49	62	49	46	45	49	34	36	31	48	43	31	35	27	34	28	19	27	32	30	963
30-49	29	19	29	26	27	20	30	33	27	28	16	15	16	26	18	20	17	21	13	27	20	11	15	22	525
50-99	31	30	28	35	32	31	34	23	37	37	22	28	17	26	21	21	29	34	16	21	25	22	21	18	639
100-299	34	44	42	33	34	28	30	24	29	45	27	30	26	31	26	24	22	29	22	39	27	30	26	44	746
300 workers or more	12	18	13	14	7	20	15	22	25	25	16	11	24	14	11	12	6	6	8	13	10	11	10	14	337
total	202	203	203	198	190	199	201	175	196	209	143	136	134	170	136	121	121	138	110	149	114	117	121	148	3,834

Month of fatal and non-fatal accidents in other nonferrous metal products in 1999-2022

Month	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
January	18	23	16	22	13	16	18	11	23	20	8	7	7	16	13	7	8	14	9	14	5	12	11	9	320
February	20	15	20	15	6	19	18	13	25	18	7	9	13	12	6	10	11	17	9	10	10	13	8	10	314
March	13	13	12	17	17	16	16	13	20	18	17	15	14	16	8	10	12	16	11	12	10	10	13	12	331
April	13	14	22	19	19	13	14	18	21	14	11	8	10	15	8	7	9	11	12	9	9	5	14	7	302
May	24	21	13	19	20	13	15	9	16	17	11	13	9	12	17	9	9	15	15	14	12	9	8	15	335
June	19	17	16	9	18	12	16	15	12	19	15	14	12	9	13	8	15	11	10	11	8	12	5	6	302

July	21	12	20	20	18	17	21	7	12	24	12	14	20	18	10	8	13	9	6	18	11	8	11	17	347
August	18	13	16	18	18	18	14	14	14	10	14	13	5	19	14	15	3	11	7	5	9	6	9	12	295
September	18	22	16	18	16	27	24	20	15	24	10	6	12	9	14	12	9	11	8	15	10	8	13	8	345
October	6	15	14	16	15	16	19	24	15	16	12	17	10	19	19	13	10	6	6	8	13	16	13	17	335
November	21	18	26	15	16	17	14	11	13	13	10	7	14	16	10	12	13	11	10	16	13	13	4	14	327
December	11	20	12	10	14	15	12	20	10	16	16	13	8	9	4	10	9	6	7	17	4	5	12	21	281
total	202	203	203	198	190	199	201	175	196	209	143	136	134	170	136	121	121	138	110	149	114	117	121	148	3,834

Prefecture of fatal and non-fatal accidents in other nonferrous metal products in 1999-2022

Prefecture	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
Hokkaido	1				2		2		1	1	2	2	1	4	1	1		1	1		1	1		1	23
Aomori	3	2					2	1	3	4	3	1	1		2	1	1		3	5	1	1	1	2	37
Iwate	2	1	1		2		1	2	1	3		3	1	2		2			3					3	27
Miyagi	2		1		4		1	4		3	3	6	3	2	4	1	2	3		2	2	4	1	1	49
Akita					1						2				1	2	2	1					1		10
Yamagata	3		2				2	2		1	1	1	2	1				1	2	2		1	2	1	24
Fukushima	7	3	6		4		4	2	1	4				3	9	2	2	2	2	2	3	1	2		59
Ibaraki	12	12	11		10		10	9	21	14	7	10	5	7	8	5	10	6	8	9	5	6	6	11	202
Tochigi	7	12	8		4		10	9	6	1	3	2	4	6	4	5	2	1	3	3	6	5	1	1	103
Gunma	8	1	5		4		6	4	9	9	1	2	2	5	4	2	5	3	2	7	3	5	3	5	95

Saitama	20	27	12		19		18	11	19	20	7	10	8	12	7	8	4	7	8	9	5	8	7	12	258
Chiba	9	8	5		6		3	5	5	10	9	9	10	8	8	8	5	5	8	6	4	6	8	7	152
Tokyo	11	2	7		8		3	3	2	5	5	2	3	1	3	4	2	2		3	2	2	1	2	73
Kanagawa	10	9	7		8		9	9	12	7	5	2	11	8	6	9	4	12	5	6	10	4	6	5	164
Niigata	2	2	4		3		3	1	2	3	4	3	3	1	1	4	4	3	2	2	1	3	2	3	56
Toyama	14	12	7		12		13	19	13	8	12	8	9	17	4	6	6	12	8	12	12	9	7	6	226
Ishikawa		3			3				1		1		1	1	2		1	1	1		1			1	17
Fukui	2	1	3		1		1	2	2	2	6	4	1	2	4	1	2	2	3		1			2	42
Yamanashi		2	5		2		1	1		2	3	1				1	1	1	2	1	1		1	2	27
Nagano	3	8	1		4		2	3	2	2	2	3	6	2	5	1	1	5	1	3	2	2	3		61
Gifu	2	4	7		6		3	3	3	7	5	2	1	5	5	5	3	3	2	3	4	6	9	1	89
Shizuoka	14	21	16		6		13	8	11	12	3	3	3	5	5	4	5	7	2	10	6	3	7	8	172
Aichi	11	11	17		9		11	16	9	7	9	8	8	7	5	9	9	9	6	9	7	11	12	8	208
Mie	2	6	9		9		7	5	11	4	3	6	4	7	5	6	5	6	5	3	3	2	5	6	119
Shiga	3	4	5		3		13	8	10	14	2	4	5	9	4	2	2	6	1	6	3	1	5	5	115
Kyoto	3	2	5		4		6	3	4	11	3	4	2	3	4	2	2	2	1	1	1		2	3	68
Osaka	25	16	26		25		18	19	20	28	13	13	20	21	11	11	24	16	12	19	8	10	11	25	391
Hyogo	13	6	4		8		8	5	12	8	9	7	5	7	8	6	3	2	3	4	4	6	5	5	138
Nara	1	1	1		2		1	3	1	1	4	5			1		2	1		2					26
Wakayama		1	1				1		1		1			1			1		1	1					9
Tottori					1		1	1	1			1	1				1	1					1		10

Shimane											1									1				2	
Okayama		1	1		1		3	2			1	1	1	2		1	1	1	4	3	3	2	3	1	32
Hiroshima	4	2	5		3		1	4	1	6	2	6	3	2	1		2	3	1		1	2	2	4	55
Yamaguchi	1	1	1				2		2	1	2										1				11
Tokushima					1			1											1						3
Kagawa	2	3	2		5		1	1	1		1		1	4	1	1		3		2		2	1	1	32
Ehime			3		1		3	1	1	2	1	1	2	1		2		2	1	2	2			1	26
Kochi																	1		1			2		1	5
Fukuoka	1	1	8		2		4	3	6	5	6	4	2	5	8	7	5	5	3	10	7	8	6	10	116
Saga		1	3				2	1						1	1				1				1	2	13
Nagasaki			1		1		1			1	1		1		1			1	1	1					10
Kumamoto	2	14	2		2		5	2	1		1		1	3		2		1	2		2	2		1	43
Oita	1	1					1		1	1			1	2											8
Miyazaki		1	1		4		2	2		1			2	3	3			1		1					21
Kagoshima		1					1					1					1				1	1			6
Okinawa	1						2			1															4
total	202	203	203	198	190	199	201	175	196	209	143	136	134	170	136	121	121	138	110	149	114	117	121	148	3,834

Fatal and non-fatal accidents mean fatal and non-fatal injuries and occupational diseases with work absence of 4 days and more.

Data of 2022 year do not include Covid-19 cases. Data of 2020 & 2021 year include Covid-19 cases. Fatal and non-fatal data are same situation.

Data of 2011 year include fatal and non-fatal accidents caused by Great East Japan Earthquake in 2011.

drown			1																				1	
contact to high/low-temperature	2							1	2														5	
contact to harmful substance	1																						1	
electric shock										1													1	
explosion	2																						2	
burst																2							2	
fire																								
traffic accident (public road)			1					1															2	
traffic accident (others)																								
reaction to motion/improper motion																								
others															1								1	
unclassifiable																								
total	6	1	7	1	2	2		3	4	2	1	2			1	1	4			1		1	1	40

Causal agents (large) of fatal accidents in other nonferrous metal products in 1999-2022

environment																								
high/cold temperature environment	2																						2	
other environments																								
other causal agent																								
no causal agent																1							1	
unclassifiable																								
total	6	1	7	1	2	2		3	4	2	1	2			1	1	4			1		1	1	40

Workers age of fatal accidents in other nonferrous metal products in 1999-2022

Age	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
19 years old or less																									
20-29	1	1	1					1			1	1					1	1						1	9
30-39	1		1		1	1		1	1												1				7
40-49	2		1		1			1		1		1						2					1		10
50-59	2		2			1			2	1															8
60 years old or more			2	1					1							1		1							6
total	6	1	7	1	2	2		3	4	2	1	2				1	1	4			1		1	1	40

