

Industrial accidents in other metal products in Japan in 1999-2020

other metal products industry Code No.011209

Type of accidents in other metal products in 1999-2020

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
fall from height	616	704	675	595	549	523	531	537	493	465	444	379	384	389	337	371	335	324	351	380	340	332
falling to same level	541	510	552	491	524	465	479	473	462	419	388	346	368	348	341	348	348	386	330	382	359	349
crash	298	323	260	244	211	203	226	220	262	218	169	151	163	135	142	155	161	113	148	155	147	130
struck by flying or falling object	1,153	1,135	1,044	877	919	875	852	844	807	809	625	545	587	587	560	544	564	570	545	546	450	402
collapse	305	330	309	282	272	261	262	272	261	244	195	194	185	174	157	183	183	167	153	161	156	150
crashed by	411	367	392	374	325	319	318	301	330	314	216	250	207	200	186	208	219	187	226	228	207	180
caught in/between	2,429	2,435	2,311	2,037	2,130	2,022	1,816	1,888	1,826	1,643	1,290	1,267	1,276	1,283	1,203	1,287	1,186	1,160	1,149	1,160	1,129	992
cut	621	599	549	448	452	487	393	406	454	394	303	308	287	278	336	279	285	265	251	280	270	242
injury to the sole of the foot	10	9	10	16	8	5	12	12	7	14	5	10	8	6	10	8	9	10	8	5	6	6
drown	0	1	0	1	0	-	0	0	0	0	0	0	12	0	0	0	0	1	0	0	0	0

contact to high/low-temperature	86	120	77	66	60	72	52	65	75	86	59	63	75	73	81	73	57	72	69	76	79	90
contact to harmful substance	21	21	22	16	20	25	14	23	25	15	14	20	16	10	21	10	25	7	14	18	18	13
electric shock	8	7	5	4	6	4	8	2	4	7	7	7	7	5	6	1	5	6	4	8	3	1
explosion	10	8	5	7	16	1	10	7	11	6	6	4	3	4	4	10	2	2	0	3	3	3
burst	8	2	7	2	4	3	1	8	5	5	1	3	2	1	0	2	6	3	2	3	1	4
fire	8	4	6	8	5	12	6	8	8	11	13	8	1	7	15	7	7	4	5	7	2	3
traffic accident (public road)	55	49	44	37	40	34	33	43	32	27	23	33	27	37	22	25	17	26	33	31	22	25
traffic accident (others)	4	0	1	-	0	1	2	3	4	0	0	0	0	1	1	1	0	0	0	0	0	0
reaction to motion/improper motion	353	350	338	329	337	304	328	346	341	321	235	233	254	208	237	244	245	228	237	230	256	217
others	27	20	18	10	15	14	15	20	16	16	10	3	14	14	13	7	5	12	6	19	9	16
unclassifiable	3	7	1	3	2	3	2	5	5	4	1	1	2	3	4	3	2	6	7	2	0	2
total	6,967	7,001	6,626	5,847	5,895	5,633	5,360	5,483	5,428	5,018	4,004	3,825	3,878	3,763	3,676	3,766	3,661	3,549	3,538	3,694	3,457	3,157

Causal agents (middle) of industrial accidents in other metal 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	4	5	4	-	1	2	1	0	1	3	0	1	0	1	0	0	1	0	0	0	1	1
power transmission mechanism	35	32	19	24	25	25	24	29	30	26	20	23	14	16	16	18	20	11	13	11	9	10
woodworking machine	48	43	37	30	34	43	34	32	33	25	21	25	24	14	25	21	21	20	19	17	25	16
construction machine	11	13	14	17	10	10	17	9	12	11	6	10	4	7	9	9	5	5	15	6	6	10
metal manufacturing machine	1,783	1,843	1,685	1,439	1,515	1,468	1,312	1,382	1,342	1,193	873	890	936	950	906	893	848	818	774	813	811	697
general machine	228	224	267	230	255	233	198	187	217	182	161	185	146	124	150	142	156	132	133	147	146	109
mobile silviculture machine																	0	0	0	0	0	0
crane	452	481	491	445	436	383	436	401	403	394	314	305	303	281	273	284	276	285	303	306	285	261
conveying	374	381	322	340	327	319	292	316	301	263	224	230	209	231	208	256	203	187	233	204	199	197

machine			0	2		1	1	1	1	1	1	1	0	0	0	0	0	0	1	0	1	
hollow chisel mortiser, wood borer			6	2		1	2	3	4	0	2	2	0	1	1	5	3	0	1	2	4	
chamfering machine, router, woodworking milling machine			2	2		2	0	1	0	0	0	1	1	0	0	0	0	0	0	0	4	0
chain saw			1	0		1	1	0	0	0	1	0	0	1	0	0	0	2	0	0	2	
other woodworking machines			7	5		4	8	0	1	4	3	4	2	6	5	3	2	3	4	4	2	
leveling, transporting or loading machine			4	1		3	1	1	2	1	4	2	1	2	0	0	0	2	1	0	2	
excavating machine			6	4		7	4	6	5	2	4	0	2	6	2	2	3	4	3	3	2	
foundation work machine			0	1		1	0	0	0	0	0	1	0	0	0	2	0	0	0	0	0	
hardening machine			1	0		0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	
demolition machine			0	0		2	1	1	0	1	1	0	0	0	2	1	1	3	1	0	1	
vehicle for high lift work			2	2		2	0	1	4	0	0	0	1	0	0	0	0	3	0	2	3	

other construction machines			1	2		2	3	3	0	2	1	1	3	1	5	0	1	2	1	1	2
lathe			146	116		94	141	114	105	86	81	76	89	94	66	89	65	54	65	69	74
drill press, milling machine			286	229		221	219	194	175	126	117	113	132	117	122	129	111	85	96	90	88
grinding machine, buffing machine			199	179		143	167	198	161	125	139	140	114	131	128	137	124	113	123	119	114
power press			332	384		320	321	292	258	182	188	214	208	201	206	169	191	195	168	192	138
forging pressure hammer			10	4		3	7	0	6	1	2	1	0	3	2	3	4	5	7	1	3
shearing machine			79	80		70	56	75	82	59	48	47	65	40	55	34	41	29	36	35	28
other metal manufacturing machines			633	523		461	471	469	406	294	315	345	342	320	314	287	282	293	318	305	252
centrifugal machine			0	1		0	0	0	4	1	1	0	0	0	2	1	0	0	2	0	2
mixer, grinder			3	2		3	3	1	6	6	4	4	5	6	5	5	3	0	6	5	2
roll machine (except printingroll machine)			64	61		45	44	38	38	47	41	33	21	43	30	41	36	24	28	22	22
injection molding machine			4	6		2	5	5	3	4	8	2	4	2	3	2	1	3	5	2	2

hauling equipment			67		57		58	74	65	52	43	49	46	45	41	45	37	45	52	53	47	49
human power machine			17		9		7	10	6	8	5	8	3	5	2	6	8	5	5	5	3	1
hand tool			113		110		96	87	98	81	78	66	53	58	58	57	53	65	46	73	55	54
ladder			223		189		186	164	189	156	178	125	137	131	123	115	111	103	115	117	129	104
slinging tool			194		173		183	161	187	165	124	127	125	112	119	106	124	121	108	98	116	68
other tools			138		111		132	145	137	150	89	91	95	71	82	89	102	97	98	84	89	94
other equipment, facilities			87		81		81	96	81	77	70	65	57	64	66	75	71	80	45	70	74	57
scaffolding			26		26		13	25	30	17	14	16	22	19	12	14	13	12	10	12	18	13
timbering			1		0		0	0	1	1	0	1	0	0	0	0	0	1	0	0	0	0
stairs, landing stage			92		82		67	80	63	68	50	44	58	52	65	52	46	39	61	57	53	42
opening			5		10		11	6	10	8	9	4	7	12	5	3	4	9	6	6	8	8
roof, beam, haze, crossbeam, principal rafter			22		19		13	14	10	17	8	13	13	6	8	10	9	13	9	14	6	9
working platform, boot board			111		109		91	94	102	116	91	85	82	63	72	65	84	76	58	64	64	59
passage			197		162		197	189	145	166	142	115	140	138	113	145	143	142	135	169	143	159
building,			88		70		75	70	64	65	52	51	63	48	41	45	36	36	55	47	39	30

30-39	1,088	1,106	1,082	1,085	1,088	1,127	1,067	1,154	1,133	1,084	843	863	802	781	763	745	735	672	660	700	618	551
40-49	1,290	1,266	1,091	915	976	879	827	860	859	810	720	726	779	774	798	814	786	824	760	839	775	732
50-59	2,098	2,149	1,997	1,706	1,625	1,568	1,457	1,408	1,348	1,160	864	726	722	665	620	639	590	640	673	673	677	619
60 years old or more	862	857	912	814	883	847	839	919	941	946	752	694	779	751	715	737	759	686	699	754	683	645
total	6,967	7,001	6,626	5,847	5,895	5,633	5,360	5,483	5,428	5,018	4,004	3,825	3,878	3,763	3,676	3,766	3,661	3,549	3,538	3,694	3,457	3,157

Workers' number of workplace of industrial accidents in other metal 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	2,827	2,883	2,739	2,414	2,421	2,326	2,155	2,086	1,956	1,776	1,454	1,342	1,398	1,208	1,235	1,183	1,124	1,069	1,033	1,108	954	889
10-29	2,494	2,370	2,277	2,026	2,011	1,976	1,862	1,929	1,892	1,788	1,395	1,360	1,352	1,401	1,316	1,370	1,349	1,273	1,269	1,270	1,191	1,120
30-49	795	844	794	690	723	665	700	726	718	663	540	516	513	538	546	593	599	598	573	577	566	536
50-99	534	549	492	444	447	411	378	445	509	446	359	364	346	352	332	363	350	350	410	392	438	351
100-299	249	289	252	226	233	217	219	239	286	285	225	197	231	220	201	220	211	225	223	299	252	225
300 workers or more	68	66	72	47	60	38	46	58	67	60	31	46	38	44	46	37	28	34	30	48	56	36
total	6,967	7,001	6,626	5,847	5,895	5,633	5,360	5,483	5,428	5,018	4,004	3,825	3,878	3,763	3,676	3,766	3,661	3,549	3,538	3,694	3,457	3,157

Month of industrial accidents in other metal 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	551	527	563	426	505	421	414	408	446	406	397	321	347	309	273	300	297	299	273	291	262	244
February	591	584	562	446	497	436	472	491	472	456	336	304	323	346	281	301	282	311	290	291	293	282
March	615	572	599	495	523	512	482	472	439	454	362	302	378	358	317	306	318	297	321	331	272	250
April	515	568	502	499	488	469	420	441	464	386	331	277	292	324	339	343	286	292	264	261	291	284
May	553	552	531	518	502	385	409	405	444	412	291	284	277	279	279	308	284	263	256	286	290	243
June	578	560	595	483	503	502	509	472	472	440	322	358	319	311	265	327	316	304	307	339	270	241
July	651	660	595	546	538	555	496	470	479	470	369	366	310	350	374	339	382	325	327	352	382	269
August	614	631	563	475	491	424	475	501	478	406	320	351	333	342	304	302	314	315	305	326	281	274
September	631	615	523	494	499	504	446	474	439	415	359	347	340	309	295	312	286	320	310	293	287	288
October	572	611	591	581	532	523	454	494	475	446	312	294	322	288	359	358	344	288	341	351	297	288
November	534	563	520	468	417	468	418	456	411	396	337	337	324	291	320	301	295	285	275	301	281	239
December	562	558	482	416	400	434	365	399	409	331	268	284	313	256	270	269	257	250	269	272	251	255
total	6,967	7,001	6,626	5,847	5,895	5,633	5,360	5,483	5,428	5,018	4,004	3,825	3,878	3,763	3,676	3,766	3,661	3,549	3,538	3,694	3,457	3,157

Prefecture of industrial accidents in other metal products in 1999-2020

Prefecture	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Hokkaido	257	246	229		166		164	164	157	150	108	96	97	92	96	108	115	97	113	101	89	96
Aomori	38	34	42		25		33	32	27	34	19	13	23	25	19	21	20	17	30	31	28	20

Iwate	49	62	45		47		37	30	22	20	16	26	18	26	25	22	22	27	17	17	22	21
Miyagi	80	65	61		57		57	53	54	55	44	54	43	39	46	42	43	49	42	54	37	40
Akita	51	46	32		23		25	35	23	26	35	13	26	16	34	26	26	22	26	16	20	13
Yamagata	52	51	51		47		39	56	45	33	33	30	31	26	42	28	38	33	28	33	30	26
Fukushima	90	98	98		76		86	68	80	59	54	51	61	59	48	59	49	29	41	42	40	41
Ibaraki	186	214	182		176		130	163	139	140	102	111	116	147	143	130	116	129	125	130	121	92
Tochigi	116	116	107		102		110	95	89	94	88	51	66	70	68	64	74	93	75	74	60	54
Gunma	198	198	165		175		173	157	156	166	102	101	99	109	105	99	91	97	93	107	83	95
Saitama	303	257	273		277		263	256	233	256	205	165	171	188	187	199	150	187	148	164	171	172
Chiba	288	291	310		297		265	265	248	250	237	217	196	189	161	194	208	181	161	170	173	182
Tokyo	237	201	204		173		140	133	150	128	97	85	83	92	73	83	87	91	75	95	57	57
Kanagawa	312	321	318		245		227	238	196	192	176	156	145	141	145	149	151	118	138	137	140	105
Niigata	235	203	183		166		118	178	160	129	103	111	109	104	111	124	104	102	87	98	124	114
Toyama	117	126	124		88		81	89	60	88	76	75	58	67	69	58	51	68	74	64	56	52
Ishikawa	50	79	59		41		59	55	60	40	25	25	37	33	51	33	31	29	45	39	19	24
Fukui	41	45	40		27		32	27	39	33	26	24	25	34	34	23	30	35	27	30	29	22
Yamanashi	24	23	27		26		24	17	20	28	14	15	13	14	23	20	18	16	18	18	18	22
Nagano	85	90	82		78		84	75	64	73	63	58	54	65	50	54	58	49	63	56	57	53
Gifu	153	160	129		138		117	136	119	119	85	99	99	99	86	96	96	93	87	96	81	73
Shizuoka	276	263	236		219		205	220	196	217	152	155	144	158	145	135	154	128	145	163	168	145

Aichi	647	607	588		529		447	463	484	398	328	301	328	282	324	315	315	296	281	308	316	288
Mie	160	160	137		137		108	100	129	124	84	85	97	75	93	96	106	80	80	74	85	63
Shiga	54	79	74		88		63	65	67	62	52	51	45	41	64	66	51	52	59	54	49	38
Kyoto	104	105	113		55		65	71	83	71	55	55	55	56	58	51	55	40	51	38	47	48
Osaka	929	1,004	934		817		748	777	761	598	556	549	506	467	445	433	386	421	392	426	388	326
Hyogo	342	425	391		348		345	344	334	327	252	257	263	229	213	202	231	188	210	238	178	187
Nara	60	57	36		49		54	43	48	41	27	39	34	46	38	53	37	29	27	44	40	28
Wakayama	52	59	46		50		45	44	55	58	47	39	45	54	22	34	36	41	41	37	24	30
Tottori	16	18	15		9		10	13	10	11	8	6	5	7	8	11	7	6	11	10	7	7
Shimane	14	16	26		12		19	14	12	14	17	14	7	4	4	11	8	12	10	18	6	12
Okayama	136	116	120		111		97	108	113	76	68	65	69	69	67	67	74	62	74	69	62	62
Hiroshima	256	257	233		211		206	195	175	174	120	123	149	138	128	132	118	138	126	141	106	93
Yamaguchi	102	66	92		96		64	77	62	68	38	47	42	44	34	42	43	45	40	37	46	47
Tokushima	33	30	22		23		21	17	22	9	11	18	14	15	20	14	13	15	17	17	13	12
Kagawa	102	96	105		92		83	65	100	76	51	65	59	62	58	50	55	49	53	52	67	57
Ehime	106	98	97		98		79	80	88	83	63	64	59	47	39	49	48	47	54	43	50	45
Kochi	29	36	19		36		32	29	31	26	17	11	13	19	15	23	17	10	17	11	24	10
Fukuoka	251	267	271		216		182	179	254	212	159	126	166	136	147	151	159	142	149	146	126	110
Saga	46	34	35		31		20	23	38	48	26	30	35	30	19	36	32	33	30	32	19	32
Nagasaki	93	56	72		55		63	64	68	71	47	37	50	55	37	48	48	54	42	46	67	48

traffic accident (others)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
reaction to motion/improper motion	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
others	1	0	0	0	0	1	1	1	0	0	0	0	3	1	0	1	1	0	0	0	0	0
unclassifiable	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
total	45	49	41	43	42	45	40	31	41	34	27	28	40	24	29	20	28	29	18	20	17	14

Causal agents (middle) of fatal accidents in other metal 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	0	0
power transmission mechanism	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1	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	0	0
construction machine	0	0	1	0	0	0	0	1	0	1	1	0	0	0	0	0	1	1	1	0	0	0
metal manufacturing machine	3	7	6	6	4	8	2	6	4	2	1	5	1	4	6	3	3	3	0	2	1	3
general machine	1	2	1	0	1	0	1	2	2	0	0	2	2	1	0	0	3	0	1	0	0	2
mobile silviculture machine																	0	0	0	0	0	0
crane	5	7	6	8	8	7	12	3	5	7	8	5	4	2	4	2	3	8	4	4	5	2
conveying machine	7	6	2	5	6	6	3	3	2	1	3	4	6	3	4	5	1	1	1	0	3	2

vehicle	2	1	4	2	2	2	0	0	1	0	1	0	1	0	0	0	0	1	1	1	0	0
pressure vessel	0	0	1	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	2	0	1	1	2	0	0	0	0	1	0	0	1	1	0	0	2	2	0	0	0	0
kiln, caldron	2	0	1	0	2	2	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
electric equipment	1	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	1	0	0	0	0	1	2	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
tools	5	4	5	8	6	6	6	6	7	9	4	1	4	2	3	2	3	4	2	0	1	1
other equipments, facilities	1	3	0	0	0	1	1	0	3	1	0	1	0	0	0	1	0	2	0	1	0	0
temporary buildings, establishments	4	6	4	1	0	6	1	5	3	2	2	2	1	2	1	1	2	3	2	4	1	0
hazards, harmful substances	1	4	0	2	3	0	2	0	4	0	1	0	0	1	3	0	2	0	0	0	0	0
materials	4	8	7	6	4	3	6	3	9	6	3	6	3	4	6	2	6	3	5	3	4	3
load	1	1	0	1	2	2	1	0	1	2	0	1	2	1	0	0	0	1	1	1	1	0
natural environment	3	0	2	2	2	0	1	1	0	1	0	1	14	1	2	1	0	0	0	4	0	1
other causal agent	1	0	0	1	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
no causal agent	0	0	0	0	0	0	1	1	0	0	0	0	1	1	0	1	1	0	0	0	1	0
unclassifiable	1	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
total	45	49	41	43	42	45	40	31	41	34	27	28	40	24	29	20	28	29	18	20	17	14

Causal agents (small) of fatal accidents in other metal products 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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
power transmission mechanism	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1	0	0	0	0	0
circular sawing machine	0	0	0	0	0	0	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	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	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	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	0	0	0	0
chain saw	0	0	0	0	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	0	0	0	0
leveling, transporting or loading machine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
excavating machine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
foundation work machine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	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	0	0
transmission	0	0	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	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	0	0	0	0	0
human power cranes	1	0	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	1	0	0	0	0	0	0	0	1	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	0	0
hand tool	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ladder	2	0	1	2	1	0	0	1	2	2	0	0	1	1	0	0	0	0	2	0	0	0
slinging tool	3	4	4	5	5	3	6	5	5	6	3	0	3	1	3	2	3	4	0	0	1	1
other tools	0	0	0	1	0	3	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0
other equipment, facilities	1	3	0	0	0	1	1	0	3	1	0	1	0	0	0	1	0	2	0	1	0	0
scaffolding	0	1	0	0	0	1	0	0	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	0	0
stairs, landing stage	0	1	0	0	0	1	0	3	0	0	0	0	0	1	0	0	0	0	0	2	0	0
opening	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
roof, beam, haze, crossbeam, principal rafter	2	1	1	0	0	4	1	0	0	0	1	1	0	0	1	0	1	2	1	1	1	0
working platform, boot	0	1	1	0	0	0	0	0	1	0	1	0	0	0	0	1	1	0	0	1	0	0

water	0	0	0	0	0	0	0	0	1	0	0	0	0	14	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	3	0	0
high/cold temperature environment	1	0	2	1	1	0	0	0	0	1	0	1	0	1	2	1	0	0	0	1	0	1	
other environments	1	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other causal agent	1	0	0	1	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
no causal agent	0	0	0	0	0	0	1	1	0	0	0	0	1	1	0	1	1	0	0	0	1	0	
unclassifiable	1	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
total	45	49	41	43	42	45	40	31	41	34	27	28	40	24	29	20	28	29	18	20	17	14	

Workers age of fatal accidents in other metal products 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	2	1	0	0	1	1	1	0	1	0	0	0	0	0	0	2	1	1	0	0	0	0
20-29	6	5	6	3	4	3	4	2	8	2	6	4	6	3	4	2	0	2	4	3	2	2
30-39	3	1	5	8	6	7	4	4	3	3	5	6	7	4	5	1	8	2	2	3	4	1
40-49	5	11	10	6	5	7	9	3	5	6	4	4	9	7	6	2	6	7	3	4	2	3
50-59	23	24	11	17	13	20	12	12	12	8	5	10	9	4	5	4	9	7	5	5	2	3
60 years old or more	6	7	9	9	13	7	10	10	12	15	7	4	9	6	9	9	4	10	4	5	7	5
total	45	49	41	43	42	45	40	31	41	34	27	28	40	24	29	20	28	29	18	20	17	14

Workers' number of workplace of fatal accidents in other metal 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	22	15	14	20	15	18	6	11	13	12	7	11	20	8	9	5	10	9	3	9	6	6
10-29	10	17	14	14	12	17	17	12	18	11	12	5	13	6	8	8	10	11	7	7	6	3
30-49	7	7	7	2	6	3	8	2	3	6	6	7	2	3	5	1	4	7	3	1	2	1
50-99	2	5	3	3	4	2	3	3	4	2	0	2	3	5	3	3	1	2	2	0	2	2
100-299	3	4	3	3	3	5	4	3	2	3	0	2	2	2	3	3	2	0	2	2	1	1
300 workers or more	1	1	0	1	2	0	2	0	1	0	2	1	0	0	1	0	1	0	1	1	0	1
total	45	49	41	43	42	45	40	31	41	34	27	28	40	24	29	20	28	29	18	20	17	14

Month of fatal accidents in other metal 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	4	6	1	4	1	2	4	2	6	2	5	3	0	1	0	1	3	0	1	1	2	0
February	1	2	5	3	2	3	6	5	7	1	3	2	1	2	1	3	3	4	4	0	0	3
March	4	4	3	4	5	5	4	3	6	5	1	3	18	2	6	2	1	5	0	0	4	0
April	4	8	6	4	6	6	5	0	0	3	0	1	3	0	0	0	1	1	3	0	1	0
May	2	2	1	3	2	3	3	3	5	1	2	2	0	1	3	5	2	2	2	2	1	2
June	3	2	4	6	4	1	5	1	0	4	3	2	3	1	3	0	2	5	1	0	2	1

July	3	5	7	5	3	4	2	2	4	5	2	1	2	4	7	0	2	4	1	2	0	2
August	5	4	2	0	9	5	2	2	2	3	0	3	4	4	0	1	2	2	1	4	0	1
September	6	3	3	4	4	7	2	6	4	2	5	3	2	4	1	2	3	3	1	4	3	1
October	3	6	4	3	2	5	2	2	5	2	2	1	2	0	2	3	6	0	3	4	0	3
November	5	5	3	5	1	2	2	4	0	3	1	2	3	3	3	0	3	1	1	0	3	1
December	5	2	2	2	3	2	3	1	2	3	3	5	2	2	3	3	0	2	0	3	1	0
total	45	49	41	43	42	45	40	31	41	34	27	28	40	24	29	20	28	29	18	20	17	14

Prefecture of fatal accidents in other metal products in 1999-2020

Prefecture	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Hokkaido	2	1	0	2	1	3	1	1	0	0	0	0	1	1	0	1	2	1	1	0	1	0
Aomori	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	2	0	0
Iwate	0	0	0	0	0	1	2	1	0	0	0	0	2	0	0	0	0	1	0	0	0	0
Miyagi	0	1	0	0	0	1	1	0	1	0	0	0	10	0	0	0	1	0	0	0	0	0
Akita	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Yamagata	0	0	1	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0
Fukushima	1	0	1	0	1	0	0	0	3	0	0	0	2	0	0	0	0	0	0	0	2	0
Ibaraki	1	2	2	4	2	0	3	0	2	3	3	3	0	2	1	1	0	1	0	1	0	1
Tochigi	2	1	3	1	1	0	1	2	0	0	0	1	0	0	0	2	0	0	0	0	0	0

Gunma	2	2	1	1	1	1	1	1	0	0	0	0	0	1	0	0	0	1	0	0	0	1
Saitama	6	4	1	2	3	2	1	2	0	0	0	0	1	2	0	1	1	0	0	3	0	1
Chiba	2	5	2	4	3	2	3	2	3	5	3	2	3	1	0	1	2	3	0	1	0	1
Tokyo	1	1	2	2	1	1	1	1	0	0	0	0	0	1	1	2	1	1	0	0	0	0
Kanagawa	2	2	1	1	2	0	0	1	1	3	2	0	1	0	1	0	1	0	0	0	0	0
Niigata	0	1	1	2	0	1	0	2	1	0	1	0	0	0	4	0	0	1	0	1	0	0
Toyama	1	1	0	1	4	1	1	0	2	2	0	0	1	2	1	0	0	1	1	1	0	0
Ishikawa	0	0	0	1	0	1	1	0	0	0	0	1	0	0	0	2	0	0	0	0	0	0
Fukui	1	0	1	0	0	0	0	0	0	2	1	1	0	0	1	1	0	0	0	0	1	0
Yamanashi	0	0	0	1	0	1	0	0	1	1	0	0	0	0	0	0	0	0	1	0	0	0
Nagano	3	0	1	0	0	1	0	0	0	0	0	1	2	0	0	0	0	0	0	0	1	1
Gifu	2	0	1	1	0	1	1	0	1	0	0	1	2	0	1	0	3	0	0	0	1	1
Shizuoka	0	4	4	0	2	3	0	1	1	0	0	1	1	0	3	0	1	1	1	1	1	0
Aichi	6	3	3	1	2	5	4	1	2	3	2	2	0	1	0	0	3	1	1	7	2	1
Mie	1	1	0	0	0	2	1	0	0	1	1	0	0	0	2	0	0	0	0	0	0	0
Shiga	1	3	0	0	0	1	0	0	0	1	1	0	0	0	1	0	0	1	0	0	1	1
Kyoto	2	2	0	0	0	0	0	3	0	0	1	0	1	0	1	1	0	0	0	0	0	0
Osaka	3	5	7	6	7	7	7	6	8	3	3	4	5	5	3	3	3	3	2	3	0	0
Hyogo	2	4	4	1	4	2	1	2	5	2	0	5	1	1	1	3	4	2	2	0	0	2
Nara	0	0	1	0	0	0	0	0	1	0	0	0	0	1	2	0	0	0	1	0	1	1

Wakayama	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	0	0	2	1	0	0	0
Tottori	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
Shimane	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Okayama	0	0	1	0	1	1	0	1	2	0	2	1	2	2	0	0	2	1	1	0	0	0
Hiroshima	0	2	1	1	0	2	0	0	1	1	2	1	0	1	0	1	0	0	2	0	3	0
Yamaguchi	0	0	1	1	1	1	1	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0
Tokushima	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0
Kagawa	2	0	0	1	1	1	1	0	0	1	0	0	1	1	2	0	0	0	0	0	0	0
Ehime	0	0	0	1	1	1	1	1	2	1	1	1	0	0	0	0	0	2	1	0	0	1
Kochi	0	0	0	1	0	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Fukuoka	2	1	1	3	2	1	2	0	0	1	1	1	2	1	1	0	1	2	0	0	2	0
Saga	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0
Nagasaki	0	0	0	2	0	0	2	0	0	2	1	1	1	0	0	0	0	0	0	0	0	0
Kumamoto	0	1	0	1	1	0	0	1	0	0	0	1	0	0	0	0	1	1	0	0	0	0
Oita	0	1	0	0	0	0	2	0	0	0	1	0	0	1	0	0	1	0	0	0	0	1
Miyazaki	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
Kagoshima	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Okinawa	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
total	45	49	41	43	42	45	40	31	41	34	27	28	40	24	29	20	28	29	18	20	17	14

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