

## Industrial accidents in steel making in Japan in 1999-2020

steel making industry Code No.0110

### Type of accidents in steel making 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	100	119	98	90	102	93	109	87	125	116	69	63	86	85	64	65	82	77	66	80	60	68
falling to same level	80	74	94	78	66	71	80	77	83	68	44	77	65	63	68	44	57	56	55	56	65	70
crash	51	51	52	37	36	49	47	40	55	44	23	27	34	31	25	26	30	26	29	40	26	24
struck by flying or falling object	226	249	198	172	176	205	204	201	168	176	108	144	143	131	102	118	98	102	105	108	90	76
collapse	53	60	59	45	48	50	49	40	46	45	26	34	41	35	19	27	26	24	23	37	29	16
crashed by	109	92	84	65	62	72	74	79	63	71	45	56	47	52	49	54	42	39	55	44	58	43
caught in/between	371	383	358	338	303	335	326	315	327	324	204	254	246	242	236	257	195	191	200	213	207	155
cut	77	62	74	60	46	52	54	39	55	55	53	38	47	40	31	35	30	32	32	27	25	23
injury to the sole of the foot	4	4	3	2	2	3	3	1	2	2	3	1	1	3	1	2	2	1	4	2	0	0

drown	0	0	0	-	1	-	0	0	0	0	0	1	6	0	0	0	0	0	0	0	0	0
contact to high/low- temperature	90	102	100	78	70	91	78	91	73	82	49	73	82	71	66	75	42	78	56	62	57	63
contact to harmful substance	7	1	8	8	7	10	19	9	5	8	5	5	3	7	4	4	6	7	6	6	8	2
electric shock	4	2	5	2	1	3	4	3	2	2	2	2	4	1	2	2	0	1	0	2	1	1
explosion	11	6	1	2	3	4	0	8	8	9	4	5	1	5	0	11	0	0	2	3	5	6
burst	1	3	0	1	0	1	0	2	0	2	1	1	1	1	0	0	0	0	1	1	0	1
fire	3	0	1	3	5	3	6	4	4	4	2	4	2	3	3	1	5	3	2	3	1	2
traffic accident (public road)	3	4	4	8	2	7	7	5	7	4	4	7	6	6	6	4	8	14	1	4	3	4
traffic accident (others)	0	1	2	-	1	1	1	2	0	0	0	1	0	1	0	0	0	1	1	0	0	0
reaction to motion/improper motion	58	58	64	53	47	50	52	44	56	60	28	44	38	31	34	40	34	30	46	51	54	43
others	2	3	6	7	2	5	3	5	1	4	4	1	7	3	5	3	2	4	0	8	4	7
unclassifiable	1	2	1	-	0	-	1	1	1	0	0	0	2	0	0	1	1	1	0	1	1	1

total	1,251	1,276	1,212	1,049	980	1,105	1,117	1,053	1,081	1,076	674	838	862	811	715	769	660	687	684	748	694	605
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Causal agents (middle) of industrial accidents in steel making 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	1	3	2	-	0	-	0	3	0	0	0	0	0	1	1	1	0	0	1	1	2	0
power transmission mechanism	11	4	4	18	6	7	13	8	12	12	4	12	9	10	9	8	10	5	10	8	6	4
woodworking machine	7	3	4	11	3	2	5	2	2	7	6	4	5	3	1	5	4	2	1	1	0	3
construction machine	2	3	3	10	7	8	9	6	4	8	9	8	3	6	2	6	5	6	4	5	6	8
metal manufacturing machine	150	145	150	140	109	132	121	129	116	138	77	95	91	100	80	87	76	73	83	72	76	55
general machine	96	89	101	78	72	72	70	68	85	71	47	68	54	51	44	60	39	52	49	52	53	34
mobile silviculture machine																	0	0	0	0	0	0

crane	98	122	102	89	101	99	108	96	95	79	64	60	85	74	56	66	57	55	50	77	61	48
conveying machine	99	121	98	74	91	87	103	104	109	124	83	89	87	83	82	80	66	66	76	62	61	61
vehicle	5	6	5	9	7	10	10	14	14	11	6	9	9	7	3	5	10	15	6	8	4	5
pressure vessel	0	2	1	-	0	2	2	1	1	1	0	0	2	1	1	0	0	0	1	3	0	0
chemical facilities	0	0	0	-	2	-	1	0	0	0	0	0	0	2	0	0	0	0	0	0	0	1
welding equipment	4	7	11	7	5	12	15	10	12	9	11	10	6	13	5	10	2	5	2	3	7	3
kiln, caldron	18	26	20	16	21	35	19	29	22	24	20	23	23	21	20	16	14	16	20	13	21	23
electric equipment	4	3	3	2	4	4	4	3	2	1	1	4	5	0	2	4	2	2	0	4	0	1
human power machine, tools	30	47	36	36	25	41	32	37	39	27	17	18	31	29	26	21	27	15	19	16	24	20
tools	105	99	115	85	78	81	93	69	94	95	56	74	79	69	71	62	67	61	64	65	58	46
other equipments, facilities	30	37	33	28	31	43	57	35	26	32	26	33	30	31	25	27	18	25	23	28	17	25
temporary buildings,	105	103	109	96	75	98	110	104	108	105	65	79	87	84	77	66	76	88	74	92	84	82



machine			2		2		3	1	2	4	5	2	4	2	1	3	3	1	1	1	0	2
band sawing machine			0		0		0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0
wood planer machine			0		0		1	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
hollow chisel mortiser, wood borer			1		0		1	0	0	0	0	1	0	1	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	1	0	0	0	0	0	0	0	0	0	0	1
other woodworking machines			1		1		0	1	0	2	0	0	0	0	0	2	0	1	0	0	0	0
leveling, transporting or loading machine			2		3		3	1	0	2	3	2	1	4	2	1	2	3	2	2	1	3
excavating machine			1		2		4	2	2	3	4	5	1	0	0	1	1	1	0	1	0	2
foundation work			0		0		0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0

machine																						
hardening machine			0		0		0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
demolition machine			0		0		0	2	0	1	0	0	0	0	0	2	0	2	1	1	3	2
vehicle for high lift work			0		0		2	1	1	1	1	0	0	0	0	0	1	0	0	0	0	0
other construction machines			0		2		0	0	1	1	0	1	0	2	0	2	1	0	0	1	2	1
lathe			11		8		4	9	6	8	7	2	6	3	4	4	6	3	2	6	2	4
drill press, milling machine			10		6		7	8	6	5	3	7	7	5	9	3	8	3	2	2	5	4
grinding machine, buffing machine			35		21		30	28	34	35	14	25	24	28	16	18	20	17	19	15	20	17
power press			14		4		12	6	2	8	3	3	6	7	3	5	3	6	10	9	3	7
forging pressure hammer			7		7		11	5	9	11	8	9	6	6	4	3	3	4	3	3	3	0
shearing machine			8		7		6	11	10	7	9	3	5	3	4	12	6	6	11	3	6	2
other metal manufacturing machines			65		56		51	62	49	64	33	46	37	48	40	42	30	34	36	34	37	21
centrifugal machine			4		0		0	0	0	0	1	0	0	1	1	2	1	1	0	0	0	1

mixer, grinder			11		10		12	2	7	7	6	8	6	7	3	11	7	3	6	5	6	5
roll machine (except printingroll machine)			18		14		9	12	19	13	11	9	11	10	8	10	7	7	7	8	10	5
injection molding machine			2		1		2	0	1	0	1	0	1	1	0	1	0	1	2	3	0	0
food manufacturing machine			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
printing machine			1		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
industrial robot			1		1		0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
other general power machines			64		46		47	54	58	51	28	51	36	32	32	35	24	40	34	36	37	23
felling machine																	0	0	0	0	0	0
mobile logging machine																	0	0	0	0	0	0
skyline yarding machine																	0	0	0	0	0	0
other mobile silviculture machine																	0	0	0	0	0	0
crane			92		92		101	88	86	71	59	57	75	70	49	61	49	53	43	69	52	41





















Tochigi	22	22	14		13		15	10	14	17	11	11	9	12	16	11	4	5	10	13	13	7
Gunma	32	20	18		14		23	25	16	23	18	16	14	18	22	16	13	15	11	18	20	6
Saitama	87	136	88		62		68	52	60	52	37	42	47	39	37	42	35	30	35	39	41	38
Chiba	69	66	86		26		43	42	42	44	32	23	27	32	22	28	26	27	24	27	20	24
Tokyo	35	38	37		25		24	15	27	18	18	14	17	12	13	9	11	13	9	9	11	9
Kanagawa	41	40	33		30		32	44	32	28	15	23	20	21	14	20	17	15	35	24	21	13
Niigata	31	41	22		23		43	46	43	55	26	42	48	30	24	25	36	28	37	35	29	20
Toyama	29	19	27		12		11	29	16	27	10	20	10	5	17	11	11	8	5	11	11	13
Ishikawa	13	14	12		7		13	16	14	14	8	11	24	15	11	15	12	10	6	17	10	6
Fukui	6	5	8		7		3	5	5	4	8	3	4	6	4	4	5	4	7	5	8	2
Yamanashi	10	3	1		2		3	4	3	9	1	2	7	0	6	8	2	4	0	3	4	2
Nagano	14	13	16		3		9	13	10	14	4	10	4	8	8	6	6	6	4	5	7	3
Gifu	14	24	16		22		30	24	32	21	17	16	20	15	19	20	12	17	15	14	17	12
Shizuoka	49	51	34		28		28	32	33	32	18	23	44	29	22	27	25	21	22	30	21	24
Aichi	171	134	157		125		132	118	148	135	84	119	111	108	92	93	67	85	82	91	89	69
Mie	37	41	43		39		27	27	29	24	18	23	22	28	22	20	20	15	18	19	16	14
Shiga	7	10	7		23		15	17	19	9	7	7	11	4	11	7	9	13	10	4	8	3
Kyoto	17	9	7		11		14	9	11	9	4	10	12	5	5	7	9	8	6	4	6	6
Osaka	113	114	125		115		86	86	99	90	49	61	60	79	69	70	59	71	54	68	60	63

Hyogo	67	70	44		63		73	57	59	62	44	49	44	43	48	56	29	27	42	51	34	41
Nara	12	21	20		6		15	15	5	9	4	13	12	11	13	10	9	11	8	7	13	8
Wakayama	13	20	19		16		10	15	16	16	12	9	12	6	8	8	7	2	5	10	8	7
Tottori	5	2	2		0		4	2	4	1	2	2	2	1	3	2	3	4	1	2	1	1
Shimane	18	19	24		14		11	33	17	18	9	18	18	14	11	15	4	12	16	14	8	14
Okayama	22	27	37		26		49	39	38	47	32	34	45	40	21	31	26	30	34	32	31	28
Hiroshima	48	53	47		48		60	46	40	47	18	35	33	34	28	33	21	35	28	47	37	25
Yamaguchi	23	16	11		19		22	22	15	18	6	11	4	16	9	4	12	10	7	7	11	12
Tokushima	2	3	5		0		3	4	7	2	1	3	3	3	0	5	1	1	0	2	1	0
Kagawa	7	9	7		5		5	4	7	11	9	12	8	6	2	8	1	1	5	0	6	4
Ehime	10	15	6		10		11	5	13	16	3	6	7	8	6	14	11	15	6	2	2	10
Kochi	19	16	15		12		18	10	15	14	10	18	7	10	10	12	5	8	8	9	10	3
Fukuoka	56	57	48		37		43	31	36	36	31	30	34	30	25	19	23	36	21	17	30	20
Saga	5	11	4		5		8	4	9	5	3	1	1	3	5	3	3	2	4	2	4	7
Nagasaki	7	6	7		5		10	4	4	5	6	1	3	6	8	7	5	5	3	1	5	0
Kumamoto	6	8	14		8		13	8	12	8	7	8	5	8	7	5	12	5	5	3	2	4
Oita	6	7	3		12		10	2	8	12	9	3	11	7	7	7	8	5	5	4	4	6
Miyazaki	7	3	4		6		2	2	7	3	3	0	0	1	1	0	4	0	1	1	6	3
Kagoshima	4	3	1		0		3	3	1	2	1	0	0	1	0	0	1	0	0	2	0	0





(others)																						
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	0	0	0	0	0	1	0	0	0	0	0	0	2	0	0	1	0	0	0	0	0	1
unclassifiable	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
total	26	9	23	24	28	16	17	27	20	19	7	13	23	17	13	17	12	17	14	16	12	7

Causal agents (middle) of fatal accidents in steel making 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	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0
woodworking machine	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
construction machine	0	0	0	0	0	1	1	0	1	2	0	1	0	0	1	0	0	0	1	0	0	1
metal manufacturing machine	0	0	2	2	3	0	1	2	2	2	2	2	0	2	1	1	1	0	0	1	1	0
general machine	3	1	6	2	6	3	0	1	2	3	1	1	1	2	0	3	2	3	4	0	1	1

mobile silviculture machine																		0	0	0	0	0	0
crane	5	1	4	4	4	1	2	4	2	2	1	1	1	1	1	1	0	6	0	1	2	1	
conveying machine	6	4	3	2	3	2	1	7	5	5	2	1	3	6	2	6	2	4	2	3	1	1	
vehicle	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	2	0	0	1	0	0	0	
pressure vessel	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	
chemical facilities	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	
welding equipment	0	0	0	0	2	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
kiln, caldron	0	0	1	3	0	1	0	1	6	0	0	0	0	2	2	0	0	1	1	0	1	0	
electric equipment	0	0	1	0	0	1	0	1	0	0	0	0	1	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	2	0	1	1	1	1	0	0	0	1	1	1	0	0	0	0	0	2	2	2	1	0	
other equipments, facilities	0	0	0	3	1	1	0	2	0	2	0	1	1	0	0	0	3	0	1	1	1	2	
temporary buildings, establishments	3	0	3	3	1	1	2	1	0	1	0	2	3	1	0	0	1	0	0	2	0	0	
hazards, harmful substances	2	0	0	1	3	2	4	3	1	1	0	0	1	1	1	1	0	0	1	2	3	0	
materials	4	0	0	2	1	0	1	0	1	0	0	1	3	0	1	2	1	0	1	2	0	0	







grinding machine, buffing machine	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
power press	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
forging pressure hammer	0	0	0	1	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
shearing machine	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0
other metal manufacturing machines	0	0	1	1	1	0	0	1	0	1	0	2	0	2	1	0	1	0	0	1	1	0
centrifugal machine	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
mixer, grinder	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1
roll machine (except printingroll machine)	1	0	0	0	2	2	0	0	1	0	0	1	0	2	0	1	2	0	0	0	0	0
injection molding machine	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
food manufacturing machine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
printing machine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
industrial robot	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other general power	2	1	0	2	3	1	0	1	1	3	1	0	1	0	0	1	0	2	2	0	1	0

machines																						
felling machine																	0	0	0	0	0	0
mobile logging machine																	0	0	0	0	0	0
skyline yarding machine																	0	0	0	0	0	0
other mobile silviculture machine																	0	0	0	0	0	0
crane	5	1	4	4	4	0	2	4	2	2	0	1	1	0	1	1	0	6	0	1	2	1
mobile crane	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
derrick crane	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
elevator, lift	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
cargo lifting appliance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
gondola	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
lumberyard equipment, logging cableway	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
simple skyline yarding equipment																	0	0	0	0	0	0



arc welding equipment	0	0	0	0	2	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	0	0
kiln, caldron	0	0	1	2	0	1	0	1	6	0	0	0	0	2	2	0	0	1	1	0	1	0
industrial dryer	0	0	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	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
transmission	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
electric power facilities	0	0	1	0	0	0	0	0	0	0	0	0	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	1	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	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	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ladder	0	0	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0
slinging tool	0	0	0	1	1	1	0	0	0	0	0	1	0	0	0	0	0	2	2	2	1	0





high/cold temperature environment	0	1	0	0	1	0	1	0	0	0	0	0	0	0	2	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	1	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	1	0	0	0	0	0	1
unclassifiable	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
total	26	9	23	24	28	16	17	27	20	19	7	13	23	17	13	17	12	17	14	16	12	7

#### Workers age of fatal accidents in steel making 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	1	0	1	0	0	0	0	1	0	1	0	0	1	0	0	0	1	0	0	0
20-29	5	2	4	3	2	0	3	6	4	4	0	4	6	3	0	3	3	4	1	7	2	1
30-39	2	0	0	2	4	3	1	2	3	2	2	4	2	3	6	2	1	4	1	4	3	3
40-49	7	1	4	5	5	5	4	3	3	1	3	1	3	9	1	4	4	4	6	2	6	2
50-59	11	5	10	11	11	5	7	11	10	4	0	3	8	1	3	4	3	2	4	2	1	1
60 years old or more	1	1	4	3	5	3	2	5	0	7	2	0	4	1	2	4	1	3	1	1	0	0
total	26	9	23	24	28	16	17	27	20	19	7	13	23	17	13	17	12	17	14	16	12	7







Ibaraki	3	1	2	0	0	2	1	0	0	1	0	0	0	0	1	0	1	1	1	0	1	0
Tochigi	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0
Gunma	0	0	1	2	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
Saitama	0	1	0	1	3	1	1	1	0	0	0	1	1	2	0	1	0	0	1	0	0	0
Chiba	3	2	1	5	1	3	0	3	1	0	0	1	1	2	1	4	2	2	0	1	0	1
Tokyo	1	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kanagawa	1	0	0	2	1	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1	0	0
Niigata	1	0	0	0	0	0	1	1	1	0	0	0	2	0	0	0	0	0	0	3	0	0
Toyama	1	1	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0
Ishikawa	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Fukui	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Yamanashi	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Nagano	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gifu	0	1	0	1	0	0	0	1	0	1	1	0	0	0	0	0	0	0	1	1	0	0
Shizuoka	2	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0
Aichi	1	1	0	2	6	2	3	5	4	3	0	1	1	4	1	5	1	3	2	3	1	1
Mie	1	0	1	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Shiga	0	0	0	0	3	1	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0
Kyoto	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0

Osaka	2	0	1	1	4	2	0	2	0	2	2	3	0	2	2	0	2	2	0	0	1	1
Hyogo	2	0	9	2	0	0	4	3	1	2	0	2	2	1	0	3	3	1	0	1	1	0
Nara	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0
Wakayama	2	1	0	1	0	1	1	2	2	3	0	0	0	0	0	0	0	0	0	0	0	0
Tottori	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Shimane	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0
Okayama	0	1	1	0	0	0	3	0	3	1	0	1	1	1	2	0	0	1	0	0	1	0
Hiroshima	3	0	0	2	0	1	0	1	0	2	0	0	2	1	0	1	0	1	1	2	2	1
Yamaguchi	2	0	1	2	1	0	0	0	1	0	0	0	0	1	0	0	0	0	1	0	0	0
Tokushima	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Kagawa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ehime	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0
Kochi	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Fukuoka	1	0	1	0	6	1	0	3	0	0	1	1	1	0	2	0	1	0	0	0	1	2
Saga	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Nagasaki	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Kumamoto	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oita	0	0	0	0	1	0	1	0	0	1	0	0	2	0	1	1	0	2	1	0	0	0
Miyazaki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	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	1	0	0	0	0	0	0	0	0	0
total	26	9	23	24	28	16	17	27	20	19	7	13	23	17	13	17	12	17	14	16	12	7

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)