Industrial accidents in casting products in Japan in 1999-2020

casting products industry Code No.011002

Type of accidents in casting 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	27	31	26	20	22	28	37	26	38	32	16	21	28	30	17	18	26	28	21	19	13	25
falling to same level	39	27	41	29	16	28	33	34	24	24	20	25	27	24	26	14	21	21	19	21	27	17
crash	14	25	18	14	18	26	21	17	28	14	7	11	15	16	10	7	11	12	15	16	11	9
struck by flying or falling object	114	127	93	68	88	94	117	106	85	89	49	67	81	76	59	63	55	65	51	51	34	45
collapse	19	24	24	13	19	20	22	21	22	16	14	19	18	16	13	17	15	12	12	17	14	8
crashed by	46	38	34	20	27	24	33	33	19	29	17	22	20	21	22	24	15	20	20	19	30	18
caught in/between	156	159	161	136	129	127	144	142	154	148	77	121	124	117	100	107	89	84	77	84	100	67
cut	43	27	39	26	23	26	31	19	25	30	26	21	26	17	17	19	12	19	17	19	14	10
injury to the sole of the foot	3	2	1	1	1	-	1	0	2	0	1	0	1	2	1	0	2	0	1	2	0	0
drown	0	0	0	-	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
contact to high/low-temperature	67	76	60	56	42	54	45	61	46	55	25	43	58	43	37	41	26	52	32	29	39	33
contact to harmful substance	0	1	1	2	5	5	7	4	3	0	2	3	2	4	1	2	2	6	1	5	0	1
electric shock	1	1	2	-	0	-	2	2	0	1	1	0	0	0	1	1	0	1	0	1	1	0
explosion	2	4	0	1	1	2	0	2	3	4	0	2	0	4	0	1	0	0	2	0	4	4
burst	0	1	0	1	0	-	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0
fire	2	0	0	1	2	2	5	2	2	3	1	4	0	0	1	1	2	1	2	0	1	2
traffic accident (public road)	1	0	1	3	0	-	0	3	0	0	0	1	0	1	0	0	4	3	1	0	0	0
traffic accident (others)	0	1	0	-	0	-	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
reaction to motion/improper motion	34	29	30	24	15	27	16	15	25	33	11	25	19	12	17	18	18	14	22	11	28	14
others	0	0	3	1	0	1	1	0	0	1	2	1	2	1	2	1	1	0	0	3	0	3

unclassifiable	1	2	0	-	0	-	0	1	0	0	0	0	2	0	0	0	1	0	0	1	0	0
total	569	575	534	416	408	464	515	489	476	479	269	386	423	384	324	334	300	338	295	298	316	256

Causal agents (middle) of industrial accidents in 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	1	1	-	0	-	0	1	0	0	0	0	0	1	1	0	0	0	1	0	0	0
power transmission mechanism	3	2	3	9	3	6	4	5	4	6	2	8	5	3	6	4	5	4	5	4	3	2
woodworking machine	6	1	1	6	1	1	2	1	2	3	4	3	3	2	0	4	2	0	1	0	0	1
construction machine	0	0	2	1	0	-	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
metal manufacturing machine	47	49	59	47	47	43	53	52	45	53	32	45	43	41	30	33	36	30	29	28	35	27
general machine	47	44	50	39	30	36	39	29	39	40	25	37	28	29	20	28	16	26	22	25	24	14
mobile silviculture machine																	0	0	0	0	0	0
crane	39	48	44	28	41	38	56	53	44	44	25	26	36	38	32	27	28	28	25	33	29	25
conveying machine	43	47	37	28	36	23	38	41	48	48	21	34	50	34	29	37	31	31	23	22	28	22
vehicle	2	1	2	2	1	1	0	5	2	0	0	0	1	1	0	0	3	3	1	0	1	1
pressure vessel	0	1	0	-	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	2	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	1	2	1	2	1	2	2	2	3	2	1	1	1	3	1	1	0	0	3	0
kiln, caldron	8	19	11	10	14	19	15	13	13	12	11	12	15	15	8	11	8	10	9	9	14	12
electric equipment	0	1	1	-	1	-	3	1	1	0	1	2	0	0	1	2	1	1	0	1	0	0
human power machine, tools	17	28	22	15	13	17	16	21	19	13	7	11	18	14	13	10	17	10	6	7	14	7
tools	62	63	64	38	41	36	44	43	50	49	25	45	52	45	39	36	35	39	39	33	24	18
other equipments, facilities	20	18	22	9	15	23	22	17	17	13	9	18	14	12	13	12	6	16	9	7	9	9
temporary buildings,	42	38	36	35	25	47	43	41	41	35	25	22	35	34	27	22	20	36	35	28	36	29

establishments																						
hazards, harmful substances	16	16	7	17	13	16	16	14	11	12	5	7	9	10	6	6	10	10	12	10	6	4
materials	162	157	124	96	91	116	116	107	109	113	52	81	74	81	68	71	60	64	55	62	58	56
load	29	31	29	17	22	23	25	17	12	21	8	13	13	11	14	15	12	14	9	13	12	13
natural environment	8	3	3	4	1	6	7	11	4	3	6	7	9	3	5	5	3	6	3	6	4	4
other causal agent	13	2	2	1	3	4	6	4	2	0	2	1	6	1	2	3	1	3	1	1	0	3
no causal agent	5	4	12	12	8	7	9	8	11	12	6	12	8	6	8	5	4	6	10	6	16	9
unclassifiable	0	1	1	-	1	-	0	0	0	0	0	0	3	2	1	0	1	0	0	1	0	0
total	569	575	534	416	408	464	515	489	476	479	269	386	423	384	324	334	300	338	295	298	316	256

Causal agents (small) of industrial accidents in casting 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			1		0		0	1	0	0	0	0	0	1	1	0	0	0	1	0	0	0
power transmission mechanism			3		3		4	5	4	6	2	8	5	3	6	4	5	4	5	4	3	2
circular sawing machine			0		0		1	1	2	2	4	1	2	2	0	2	2	0	1	0	0	1
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	0	0	0	0	0	0
hollow chisel mortiser, wood borer			0		0		0	0	0	0	0	1	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
chain saw			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other woodworking machines			1		1		0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0
leveling, transporting or loading machine			1		0		0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
excavating machine			1		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

foundation work machine			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
hardening machine			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
demolition machine			0		0		0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
vehicle for high lift work			0		0		0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other construction machines			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
lathe			6		6		3	6	2	3	4	2	3	2	2	1	5	2	2	5	1	2
drill press, milling machine			4		2		3	1	5	1	2	3	4	4	4	2	5	2	0	0	3	3
grinding machine, buffing machine			27		18		23	21	18	27	10	21	19	16	12	15	15	14	14	14	18	13
power press			4		0		5	4	1	2	1	2	2	4	1	3	0	1	1	2	2	0
forging pressure hammer			1		2		1	1	2	0	1	1	1	1	0	0	0	0	1	0	0	0
shearing machine			0		0		0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
other metal manufacturing machines			17		19		18	19	15	20	14	16	14	14	11	12	11	11	11	7	11	9
centrifugal machine			0		0		0	0	0	0	0	0	0	1	0	2	1	0	0	0	0	1
mixer, grinder			10		7		10	0	2	5	5	8	6	5	2	10	7	3	4	4	3	4
roll machine (except printingroll machine)			0		1		0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
injection molding machine			2		1		2	0	1	0	1	0	0	1	0	1	0	0	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			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
industrial robot			1		0		0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
other general power machines			37		21		27	29	36	34	19	29	22	22	18	14	8	23	16	18	21	9
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			42		38		55	47	41	41	23	24	34	36	28	25	23	27	24	30	24	22
mobile crane			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
derrick crane			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
elevator, lift			0		2		0	0	0	1	0	0	1	1	2	2	1	0	0	0	1	2
cargo lifting appliance			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	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
simple skyline yarding equipment																	0	0	0	0	0	0
other powered crane			2		1		1	6	3	2	2	2	1	0	2	0	4	1	1	3	3	1
truck			4		3		1	2	1	1	3	3	5	3	1	3	4	3	3	3	2	1
forklift			12		9		8	6	20	11	3	9	12	8	3	8	7	7	7	7	10	6
railway equipment			2		1		1	1	2	1	1	0	0	0	0	3	2	0	0	0	0	0
conveyor			17		17		25	27	20	29	10	19	27	19	22	21	16	19	10	10	11	12
loader			0		0		0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
straddle carrier			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
rough terrain hauler			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other powered conveying machines			2		6		3	5	5	6	4	3	6	4	3	2	2	1	3	2	5	3
cars, bus, motorcycle			1		0		0	5	2	0	0	0	0	1	0	0	3	3	1	0	1	1
railway vehicle			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other vehicles			1		1		0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
boiler			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
other pressure vessels			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0
chemical facilities			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
gas welding			0		0		0	1	1	1	2	2	0	0	1	3	1	0	0	0	1	0

equipment																						
arc welding equipment			1		1		1	0	1	0	1	0	1	0	0	0	0	1	0	0	0	0
other welding equipment			0		0		0	1	0	1	0	0	0	1	0	0	0	0	0	0	2	0
kiln, caldron			11		13		14	12	11	10	8	12	15	12	6	11	6	9	9	8	14	11
industrial dryer			0		0		0	0	1	1	1	0	0	3	1	0	0	0	0	0	0	0
other kiln, caldron			0		1		1	1	1	1	2	0	0	0	1	0	2	1	0	1	0	1
transmission			0		0		2	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0
electric power facilities			0		0		0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0
other electrical equipment			1		1		1	0	0	0	1	1	0	0	0	2	1	1	0	1	0	0
human power cranes			2		2		1	1	0	1	0	1	2	0	0	0	3	0	0	0	2	0
human power hauling equipment			7		3		3	8	6	3	2	5	6	4	6	3	5	0	2	5	6	2
human power machine			2		0		0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1
hand tool			11		8		12	12	12	8	5	5	10	10	7	7	9	10	4	2	6	4
ladder			6		7		2	8	12	9	7	7	5	3	3	1	6	7	4	4	0	7
slinging tool			31		20		30	21	17	21	7	18	28	25	20	21	15	15	17	14	14	6
other tools			27		14		12	14	21	19	11	20	19	17	16	14	14	17	18	15	10	5
other equipment, facilities			22		15		22	17	17	13	9	18	14	12	13	12	6	16	9	7	9	9
scaffolding			0		0		1	0	0	0	0	0	1	0	0	0	1	1	0	0	1	0
timbering			0		0		0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
stairs, landing stage			8		6		4	4	8	7	3	2	1	6	4	1	3	5	7	3	3	3
opening			1		0		3	2	1	4	0	0	1	2	0	0	1	4	0	0	1	2
roof, beam, haze, crossbeam, principal rafter			0		2		3	1	3	0	2	0	1	0	1	1	1	1	3	1	0	0
working platform, boot board			4		3		7	7	7	7	3	6	9	8	5	3	4	5	3	5	5	3
passage			18		4		14	18	14	9	15	6	14	7	10	10	7	14	16	11	17	11
building, establishment			3		7		3	4	5	5	1	5	4	6	2	3	3	2	2	3	5	7

other temporary buildings, establishments			2		3		8	5	2	3	1	3	4	5	5	4	0	4	4	5	4	3
explosive substance			0		1		1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
inflammable substance			3		5		9	7	4	8	1	5	4	3	3	2	4	5	3	2	5	2
inflammable gas			0		0		1	0	0	0	1	0	0	0	0	1	1	0	1	0	0	1
harmful substance			0		1		3	3	3	0	2	1	2	5	0	1	2	3	2	3	0	0
radiation			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other hazards, harmful substances			4		6		2	4	4	2	1	1	3	2	3	2	3	2	6	5	1	1
metal material			106		75		97	94	99	102	44	73	62	73	63	66	50	51	42	55	55	49
lumber, bamboo			3		4		2	2	0	2	2	1	1	1	0	0	3	5	2	1	2	3
stone, sand, substance			7		6		9	3	3	5	3	2	2	4	2	2	6	2	5	1	0	0
other materials			8		6		8	8	7	4	3	5	9	3	3	3	1	6	6	5	1	4
load			24		19		20	12	10	21	7	12	10	9	13	14	11	10	9	12	11	11
machine/equipment as load			5		3		5	5	2	0	1	1	3	2	1	1	1	4	0	1	1	2
natural ground, rock			0		0		1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
standing tree			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
water			0		0		0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0
abnormal environment			0		0		0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0
high/cold temperature environment			1		1		3	9	2	3	3	5	2	2	4	3	1	4	2	4	4	4
other environments			2		0		3	2	1	0	2	2	5	1	1	1	2	2	1	1	0	0
other causal agent			2		3		6	4	2	0	2	1	6	1	2	3	1	3	1	1	0	3
no causal agent			12		8		9	8	11	12	6	12	8	6	8	5	4	6	10	6	16	9
unclassifiable			1		1		0	0	0	0	0	0	3	2	1	0	1	0	0	1	0	0
total			534		408		515	489	476	479	269	386	423	384	324	334	300	338	295	298	316	256

Workers age of industrial accidents in casting 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	11	21	15	6	11	11	17	9	14	11	5	7	12	9	10	7	5	6	5	6	5	8
20-29	86	87	81	78	82	82	76	81	86	96	50	70	98	73	58	77	65	65	48	61	55	56
30-39	71	72	86	78	60	91	126	102	97	99	58	92	97	94	79	78	69	77	66	65	69	53
40-49	115	114	91	76	87	70	84	100	100	97	50	76	85	94	74	76	62	80	66	68	87	60
50-59	192	178	174	118	112	130	139	127	109	108	63	73	65	78	55	56	58	67	68	60	56	44
60 years old or more	94	103	87	60	56	80	73	70	70	68	43	68	66	36	48	40	41	43	42	38	44	35
total	569	575	534	416	408	464	515	489	476	479	269	386	423	384	324	334	300	338	295	298	316	256

Workers' number of workplace of industrial accidents in 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	109	104	92	85	87	93	86	80	48	45	34	39	41	37	34	27	23	37	30	29	30	16
10-29	207	206	185	136	156	162	179	145	172	156	88	134	142	97	106	93	108	99	103	103	91	73
30-49	92	122	116	83	61	82	107	110	86	124	45	89	93	108	65	68	56	73	39	62	56	56
50-99	93	81	78	64	61	81	98	85	89	83	55	82	73	71	72	97	64	65	57	53	68	65
100-299	52	51	50	38	32	38	34	54	59	61	36	37	42	49	44	43	40	57	58	34	49	27
300 workers or more	16	11	13	10	11	8	11	15	22	10	11	5	32	22	3	6	9	7	8	17	22	19
total	569	575	534	416	408	464	515	489	476	479	269	386	423	384	324	334	300	338	295	298	316	256

Month of industrial accidents in 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	41	48	40	34	28	34	37	41	41	40	28	28	35	27	24	36	26	32	18	32	25	30
February	53	46	59	27	29	28	59	42	45	47	26	23	34	38	25	31	22	26	23	20	28	19
March	47	41	53	36	37	47	41	44	35	50	23	32	33	34	19	30	33	31	29	22	31	26
April	51	35	58	30	43	38	42	36	42	38	22	29	33	30	30	15	29	34	28	30	32	31
May	31	45	38	23	31	40	40	35	38	46	11	28	37	34	25	27	29	31	22	34	22	16
June	54	58	39	34	39	42	47	39	37	46	19	49	40	42	33	25	26	14	20	24	36	17
July	61	58	44	41	36	33	46	41	42	44	21	35	23	21	35	30	23	33	25	26	32	15
August	38	57	41	42	35	39	46	41	32	42	27	33	39	24	30	21	22	16	35	21	26	14
September	42	45	49	37	33	42	44	48	39	36	25	37	52	39	23	27	31	30	30	17	26	20
October	63	51	51	41	32	50	41	45	43	36	26	31	30	29	23	42	13	37	24	26	20	24
November	48	45	27	36	33	39	45	41	48	25	19	29	39	33	21	24	30	34	20	20	21	24
December	40	46	35	35	32	32	27	36	34	29	22	32	28	33	36	26	16	20	21	26	17	20

total	569	575	534	416	408	464	515	489	476	479	269	386	423	384	324	334	300	338	295	298	316	256

Prefecture of industrial accidents in casting 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	12	12	12		12		13	11	11	6	6	14	7	12	7	7	10	10	8	8	9	8
Aomori	0	3	1		1		4	1	2	0	2	2	2	4	1	1	1	0	2	0	0	0
Iwate	14	11	11		9		16	13	7	14	9	5	2	7	5	7	3	7	3	8	2	6
Miyagi	1	0	2		3		2	0	0	1	1	0	1	0	0	0	0	0	2	1	1	0
Akita	4	7	7		4		10	8	6	3	5	5	2	4	5	0	4	5	2	5	2	1
Yamagata	19	19	16		12		19	15	13	14	11	11	15	11	12	10	7	14	4	7	11	8
Fukushima	5	11	9		8		6	15	9	5	1	4	7	2	3	4	11	6	2	4	6	4
Ibaraki	6	4	12		3		5	5	9	7	2	11	4	8	5	7	1	0	8	3	1	3
Tochigi	5	7	3		4		6	6	2	8	7	5	2	3	4	1	1	2	6	7	2	3
Gunma	13	5	8		4		8	4	4	7	10	8	7	9	13	8	3	5	1	4	8	3
Saitama	62	85	49		40		48	36	44	41	21	32	39	22	28	31	27	20	25	25	22	26
Chiba	9	8	11		2		5	7	5	6	3	2	2	7	3	7	3	4	4	2	1	1
Tokyo	8	9	4		2		2	3	2	2	2	2	2	4	0	0	0	3	0	0	2	1
Kanagawa	5	8	9		5		7	7	10	6	2	3	1	3	1	3	4	2	10	6	2	0
Niigata	13	20	12		6		21	27	24	21	7	17	22	8	8	9	18	11	14	14	16	9
Toyama	13	6	19		3		7	20	6	14	3	15	9	2	6	4	5	3	1	6	7	5
Ishikawa	7	11	6		3		8	9	10	7	7	7	12	9	5	9	8	9	4	9	4	3
Fukui	3	3	4		4		2	1	2	0	1	2	2	1	0	1	5	3	2	0	2	0
Yamanashi	3	1	1		1		1	2	3	8	1	2	6	0	4	2	1	4	0	2	4	2
Nagano	3	9	12		1		4	6	4	11	3	4	3	6	4	4	6	6	4	3	6	3
Gifu	4	12	7		13		19	20	25	13	10	10	16	9	11	15	8	11	13	9	12	8
Shizuoka	25	30	27		20		22	24	25	23	8	15	34	22	19	22	22	18	18	20	15	13
Aichi	87	77	83		61		76	64	73	64	40	63	67	61	46	40	38	45	39	43	36	36
Mie	32	36	40		32		19	23	26	23	16	17	20	23	18	14	13	15	15	16	13	11
Shiga	3	4	1		9		3	6	4	2	0	2	3	2	7	2	3	4	6	2	6	0
Kyoto	9	4	6		4		8	3	1	6	1	6	4	1	1	4	3	0	1	2	0	2
Osaka	51	36	34		33		27	31	26	21	17	10	17	17	12	14	17	24	16	15	20	12
Hyogo	23	16	15		11		17	15	13	23	15	11	11	13	14	11	4	2	3	6	13	8
Nara	8	6	8		6		10	6	1	5	3	7	8	7	8	6	7	10	5	5	7	5
Wakayama	0	3	2		0		3	2	6	3	1	2	1	1	2	2	1	0	1	2	3	5
Tottori	1	2	0		0		3	2	3	1	1	1	2	1	3	2	2	3	1	2	1	1

Shimane	14	11	19		13		8	27	16	17	7	15	14	10	9	13	4	10	14	12	6	14
Okayama	11	11	14		11		20	16	15	26	10	15	29	32	13	16	13	16	18	16	17	14
Hiroshima	22	20	16		25		26	22	18	11	2	11	14	10	9	12	6	13	9	16	17	12
Yamaguchi	7	6	2		4		6	2	2	4	2	2	0	1	2	0	2	6	0	1	4	5
Tokushima	0	0	0		0		0	1	2	0	0	0	1	1	0	3	1	1	0	0	0	0
Kagawa	5	7	6		4		2	2	4	7	2	6	2	4	0	4	1	0	5	0	4	3
Ehime	10	9	5		9		10	5	12	15	3	6	6	8	6	11	8	11	4	1	2	7
Kochi	17	11	10		3		5	3	8	5	7	15	2	7	9	5	4	6	5	6	6	2
Fukuoka	18	24	17		12		12	11	10	19	9	14	21	16	8	12	11	19	9	7	16	5
Saga	3	2	1		2		6	3	6	1	0	0	1	2	4	1	2	0	3	0	3	4
Nagasaki	4	2	6		2		5	1	2	1	3	1	0	4	4	6	5	4	2	1	4	0
Kumamoto	1	3	7		5		10	3	3	3	1	4	2	6	5	2	5	4	5	1	1	2
Oita	5	1	0		2		4	1	1	3	6	0	1	3	0	1	0	1	0	0	1	0
Miyazaki	3	0	0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Kagoshima	1	3	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	1	2	1	2	0	1	0	1	2	1	1	0	1	1
total	569	575	534		408		515	489	476	479	269	386	423	384	324	334	300	338	295	298	316	256

Industrial accidents mean fatal and non-fatal injuries with work absence of 4 days and more. Data of 2011 year include Industrial accidents caused by Great East Japan Earthquake in 2011.

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

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Fatal accidents in casting products in Japan in 1999-2020

casting products industry Code No.011002

Type of fatal accidents in casting 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	0	0	0	2	0	0	0	1	0	1	1	0	0	2	0	1	0	0	0	0	0	0
falling to same level	0	1	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0
crash	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
struck by flying or	0	0	1	0	2	0	0	0	0	1	0	0	2	0	0	0	0	0	0	0	0	0

falling object																						
collapse	0	0	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0
crashed by	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0
caught in/between	2	0	3	2	2	0	1	3	1	1	2	1	1	2	0	0	2	2	3	0	0	1
cut	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
injury to the sole of the foot	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
drown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
contact to high/low-temperature	2	0	5	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
contact to harmful substance	0	0	0	0	0	0	0	2	0	0	0	0	0	1	0	0	0	0	0	1	0	0
electric shock	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1	0
explosion	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
burst	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
fire	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
traffic accident (public road)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	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	5	1	11	5	7	1	1	8	1	4	3	1	5	5	1	2	2	3	4	1	1	1

Causal agents (middle) of fatal accidents in 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	0	0
power transmission mechanism	0	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0

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	1	0	0	0	0	1	0	1	1	0	0	0	0	0	1	0	0	0	0	0
general machine	0	0	6	1	0	0	0	0	0	1	1	0	1	0	0	1	0	1	2	0	0	1
mobile silviculture machine																	0	0	0	0	0	0
crane	1	0	1	1	1	0	0	2	0	1	0	0	0	1	0	0	0	1	0	0	0	0
conveying machine	2	1	2	0	2	0	1	1	1	0	0	0	2	2	0	1	1	0	1	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	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
kiln, caldron	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	1	0
electric equipment	0	0	0	0	0	0	0	1	0	0	0	0	0	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	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
other equipments, facilities	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0
temporary buildings, establishments	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
hazards, harmful substances	0	0	0	1	0	1	0	2	0	0	0	0	0	1	0	0	0	0	0	1	0	0
materials	0	0	0	1	1	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
load	0	0	0	0	1	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	1	0	0	0	0	0	0	0
total	5	1	11	5	7	1	1	8	1	4	3	1	5	5	1	2	2	3	4	1	1	1

Causal agents (small) of fatal accidents in casting 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	0	0	0	0	0	0	0	0	1	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	0	0	0	0
excavating machine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
foundation work machine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
hardening machine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
demolition machine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
vehicle for high lift work	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other construction machines	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
lathe	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
drill press, milling machine	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
grinding machine,																						

buffing machine	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
shearing machine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other metal manufacturing machines	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0
centrifugal machine	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
mixer, grinder	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
roll machine (except printingroll machine)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other general power machines	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	0	0	1	1	0	0	0
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	1	0	1	1	1	0	0	2	0	1	0	0	0	0	0	0	0	1	0	0	0	0
mobile crane	0	0	0	0	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

cableway																						
simple skyline yarding equipment																	0	0	0	0	0	0
other powered crane	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
truck	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
forklift	0	1	1	0	0	0	0	0	0	0	0	0	2	0	0	1	1	0	0	0	0	0
railway equipment	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
conveyor	2	0	0	0	1	0	1	1	1	0	0	0	0	2	0	0	0	0	1	0	0	0
loader	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
straddle carrier	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
rough terrain hauler	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other powered conveying machines	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
cars, bus, motorcycle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
railway vehicle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other vehicles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
boiler	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
other pressure vessels	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
gas welding equipment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
arc welding equipment	0	0	0	0	1	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	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	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	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	1	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	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
slinging tool	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other tools	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other equipment, facilities	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0
scaffolding	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
opening	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
roof, beam, haze, crossbeam, principal rafter	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
working platform, boot board	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
passage	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
building, establishment	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0	0
explosive substance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
inflammable substance	0	0	0	1	0	1	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	0	0	0
harmful substance	0	0	0	0	0	0	0	2	0	0	0	0	0	1	0	0	0	0	0	1	0	0
radiation	0	0	0	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	0	0	0
metal material	0	0	0	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
lumber, bamboo	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

stone, sand, substance	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
other materials	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
load	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
machine/equipment as load	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
natural ground, rock	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
standing tree	0	0	0	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	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	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	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	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	1	0	0	0	0	0	0	0
total	5	1	11	5	7	1	1	8	1	4	3	1	5	5	1	2	2	3	4	1	1	1

Workers age of fatal accidents in casting 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	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
20-29	1	1	1	1	0	0	1	1	0	1	0	0	1	1	0	0	1	1	0	0	0	0
30-39	0	0	0	0	1	0	0	1	1	0	1	1	1	1	0	1	0	0	0	1	1	0
40-49	1	0	3	2	1	0	0	1	0	0	0	0	2	2	0	0	0	1	0	0	0	1
50-59	3	0	5	2	5	0	0	4	0	0	0	0	1	1	0	0	0	1	4	0	0	0
60 years old or more	0	0	2	0	0	1	0	1	0	2	2	0	0	0	1	1	1	0	0	0	0	0
total	5	1	11	5	7	1	1	8	1	4	3	1	5	5	1	2	2	3	4	1	1	1

Workers' number of workplace of fatal accidents in 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	1	0	1	0	1	1	0	1	0	0	1	0	1	0	0	0	0	1	0	1	0	0

10-29	0	0	2	1	0	0	1	2	0	0	0	0	1	0	1	0	1	0	2	0	1	1
30-49	0	0	2	2	3	0	0	1	0	1	0	0	1	1	0	0	0	1	0	0	0	0
50-99	1	0	5	0	2	0	0	3	1	3	2	1	1	0	0	1	0	1	1	0	0	0
100-299	2	1	1	1	1	0	0	0	0	0	0	0	1	1	0	1	1	0	1	0	0	0
300 workers or more	1	0	0	1	0	0	0	1	0	0	0	0	0	3	0	0	0	0	0	0	0	0
total	5	1	11	5	7	1	1	8	1	4	3	1	5	5	1	2	2	3	4	1	1	1

Month of fatal accidents in 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	0	0	4	0	2	0	0	1	0	0	1	0	0	1	0	0	1	0	1	0	0	0
February	0	1	0	0	1	0	0	0	0	0	1	0	1	0	0	0	0	1	0	0	0	0
March	0	0	1	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	1	0	0	0
April	0	0	1	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	1	1	0	1
May	0	0	0	0	1	0	0	0	0	0	1	0	1	2	0	0	0	0	0	0	0	0
June	1	0	1	1	0	0	0	1	1	0	0	1	1	0	1	0	0	0	0	0	0	0
July	0	0	1	0	0	0	0	1	0	2	0	0	0	0	0	0	1	0	0	0	0	0
August	0	0	2	0	0	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0
September	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0
October	1	0	1	2	0	0	0	2	0	0	0	0	0	0	0	1	0	0	0	0	0	0
November	1	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
December	2	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	1	0	0	0	0
total	5	1	11	5	7	1	1	8	1	4	3	1	5	5	1	2	2	3	4	1	1	1

Prefecture of fatal accidents in casting 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	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Aomori	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iwate	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Miyagi	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Akita	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Yamagata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fukushima	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ibaraki	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Tochigi	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Gunma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Saitama	0	0	0	0	1	1	0	1	0	0	0	0	1	0	0	1	0	0	1	0	0	0
Chiba	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Tokyo	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kanagawa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Niigata	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Toyama	0	0	0	0	0	0	0	0	0	0	0	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	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gifu	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	1	0	0
Shizuoka	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Aichi	0	1	0	0	3	0	1	2	0	0	0	0	0	1	0	1	1	0	0	0	0	0
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	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kyoto	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Osaka	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	1	0	0	0	0
Hyogo	1	0	5	1	0	0	0	1	0	1	0	0	1	1	0	0	0	0	0	0	0	0
Nara	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Wakayama	0	0	0	1	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Hiroshima	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Yamaguchi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tokushima	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0	0	0	0
Kochi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fukuoka	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Saga	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	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	5	1	11	5	7	1	1	8	1	4	3	1	5	5	1	2	2	3	4	1	1	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