

Fatal accidents in manufacturing in Japan in 1991-2020

manufacturing industry Code No.01

Type of fatal accidents in manufacturing in 1991-2020

Type of accidents	1991	1992	1993	1994	1995	1996	1997	1998	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	83	71	60	64	63	64	60	56	54	41	60	43	41	48	36	46	46	40	32	40	31	38	24	26	26	25	28	29	23	21	
falling to same level	12	9	13	11	9	11	6	6	10	6	8	4	4	4	7	4	9	5	5	6	8	7	9	5	7	6	2	6	5	6	
crash	1	3	2	5	1	4	1	0	1	1	2	0	4	1	2	5	1	6	1	0	2	0	4	2	0	0	2	0	0	1	
struck by flying or falling object	46	26	34	37	43	31	27	30	24	25	25	21	24	29	23	33	19	26	16	14	11	14	20	12	10	14	7	12	8	11	
collapse	24	36	30	29	51	23	17	17	21	22	25	11	17	14	20	20	30	20	5	14	16	18	7	9	17	14	9	20	8	7	
crashed by	33	21	24	21	29	22	27	20	27	25	25	24	14	23	23	20	17	19	10	13	10	6	12	18	13	13	16	15	14	7	
caught in/between	105	127	136	120	109	131	110	91	104	106	85	103	91	95	69	79	77	83	65	68	55	63	61	64	50	62	51	48	49	45	
cut	3	1	1	5	4	1	3	1	1	0	1	2	6	2	2	1	0	0	1	1	3	1	0	1	0	0	0	1	1	1	
injury to the sole of the foot	0	0	1	0	1	0	2	0	1	0	0	1	1	1	0	1	1	0	0	0	0	0	0	1	0	1	0	0	0	0	
drown	7	2	5	8	5	3	5	3	1	7	6	3	7	6	6	5	5	2	3	3	274	1	1	2	2	5	3	4	1	4	
contact to high/low-temperature	6	9	6	8	12	12	6	6	14	5	14	5	9	6	8	3	13	11	2	12	0	6	12	2	6	3	6	8	5	7	
contact to harmful substance	15	12	8	12	9	10	9	15	13	14	8	15	11	12	9	12	6	6	14	5	8	8	9	5	6	3	8	12	4	8	
electric shock	9	8	8	9	7	10	5	10	8	11	7	3	7	3	4	5	3	5	4	6	6	4	3	3	1	2	3	3	1	0	
explosion	20	9	12	13	4	12	14	5	8	7	5	3	17	8	4	3	7	7	8	2	4	6	10	9	0	1	5	4	3	2	
burst	3	1	3	4	3	1	1	2	2	1	2	1	0	0	0	3	0	2	0	0	0	3	1	0	1	3	1	0	0	0	
fire	7	11	7	8	4	6	12	5	3	7	9	3	8	2	2	5	7	2	2	0	2	5	4	1	5	1	3	4	4	4	
traffic accident (public road)	66	39	62	52	59	60	43	34	50	43	41	30	29	26	28	18	16	16	15	18	12	13	16	12	5	9	10	10	8	6	
traffic accident (others)	5	4	1	2	1	4	0	0	0	1	0	1	0	1	2	0	1	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	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	
others	2	0	1	1	3	0	1	3	2	1	1	2	2	11	8	5	6	9	2	8	79	6	6	8	10	13	6	7	7	6	
unclassifiable	1	3	0	0	0	0	1	1	0	0	2	0	1	1	3	0	0	1	1	1	1	0	1	0	1	1	0	0	0	0	
total	448	392	414	409	417	405	351	305	344	323	326	275	293	293	256	268	264	260	186	211	522	199	201	180	160	177	160	183	141	136	

harmful substances	28	18	16	23	13	14	23	18	16	25	12	15	27	18	11	16	18	9	11	6	10	11	13	7	5	3	10	12	6	2
materials	29	22	25	20	33	22	19	19	15	18	24	14	12	10	18	16	15	16	6	8	11	11	14	6	15	6	11	11	4	3
load	10	23	17	13	14	12	7	7	8	9	13	6	11	11	9	13	11	7	2	5	5	6	3	3	4	5	2	5	6	2
natural environment	3	4	9	6	24	4	6	7	11	10	9	7	8	8	10	12	7	12	7	13	346	8	16	5	8	5	5	20	6	16
other causal agent	1	0	2	2	1	0	2	2	6	0	0	1	1	11	3	3	0	2	3	1	1	0	0	1	0	0	0	1	1	4
no causal agent	1	1	0	0	2	0	0	1	0	0	0	2	1	0	6	1	7	7	0	7	9	7	6	7	10	13	6	5	8	2
unclassifiable	1	3	0	0	2	1	7	1	1	0	3	0	1	1	3	1	0	1	2	0	1	0	2	0	2	0	0	2	5	2
total	448	392	414	409	417	405	351	305	344	323	326	275	293	293	256	268	264	260	186	211	522	199	201	180	160	177	160	183	141	136

Workers age of fatal accidents in manufacturing in 1991-2020

Age	1991	1992	1993	1994	1995	1996	1997	1998	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	15	9	10	4	12	14	7	7	6	6	10	8	3	4	7	2	2	3	4	5	5	2	3	5	3	1	4	1	2	1
20-29	54	51	47	47	54	59	50	37	52	40	54	38	34	33	36	38	32	33	20	29	50	22	21	30	15	17	16	23	16	14
30-39	52	49	48	59	34	57	50	37	43	48	40	39	43	51	39	48	43	43	29	46	82	38	45	28	27	32	21	25	21	17
40-49	122	84	104	97	98	86	82	58	68	61	61	47	35	48	51	40	39	33	36	47	95	44	39	32	37	41	35	45	32	23
50-59	144	132	135	136	152	120	98	98	108	103	103	94	117	104	74	89	82	76	52	47	157	54	44	40	40	41	46	50	25	43
60 years old or more	61	67	70	66	67	69	64	68	67	65	58	49	61	53	49	51	66	72	45	37	133	39	49	45	38	45	38	39	45	38
total	448	392	414	409	417	405	351	305	344	323	326	275	293	293	256	268	264	260	186	211	522	199	201	180	160	177	160	183	141	136

Workers' number of workplace of fatal accidents in manufacturing in 1991-2020

Workers scale	1991	1992	1993	1994	1995	1996	1997	1998	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	88	90	106	72	106	85	79	73	82	74	67	62	72	79	44	56	56	62	37	51	163	42	46	32	39	38	28	44	25	32
10-29	132	100	114	116	108	112	96	77	95	94	102	70	82	87	87	75	77	59	50	48	131	52	49	56	50	42	51	56	40	30
30-49	47	54	59	54	53	50	49	45	45	48	57	38	42	28	34	42	38	40	29	32	97	28	29	25	22	30	25	17	15	17
50-99	65	44	42	57	47	47	38	40	37	40	39	33	39	27	32	39	32	26	18	22	55	25	20	23	15	22	20	17	24	15
100-299	58	53	52	57	56	53	51	41	41	28	35	36	34	45	25	32	27	37	33	35	50	25	34	32	20	33	25	28	22	25
300 workers or more	58	51	41	53	47	58	38	29	44	39	26	36	24	27	34	24	34	36	19	23	26	27	23	12	14	12	11	21	15	17
total	448	392	414	409	417	405	351	305	344	323	326	275	293	293	256	268	264	260	186	211	522	199	201	180	160	177	160	183	141	136

Month of fatal accidents in manufacturing in 1991-2020

Month	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
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January	32	30	31	32	46	25	16	24	24	24	42	30	28	20	23	24	30	28	21	23	11	25	12	16	15	14	15	14	16	11
February	33	32	29	31	20	19	36	34	31	30	23	13	23	18	17	30	26	20	19	9	15	16	12	24	13	21	22	16	6	5
March	28	21	39	43	31	40	39	25	36	34	26	26	22	30	29	23	32	25	12	19	361	18	18	15	13	21	14	10	18	8
April	28	30	25	38	42	42	20	32	21	22	24	21	28	31	26	23	11	25	15	12	18	12	13	16	9	22	13	12	7	13
May	37	35	37	29	30	36	33	22	24	19	26	22	17	22	21	22	20	20	17	18	21	16	11	15	20	11	16	8	13	10
June	37	37	28	26	37	31	27	18	28	29	22	32	20	24	25	15	16	20	15	17	16	11	23	9	6	13	6	15	15	11
July	41	32	46	45	30	34	32	29	31	39	27	25	29	22	18	24	19	24	15	15	13	17	30	14	20	11	14	21	9	17
August	52	32	33	40	37	26	34	19	39	34	35	11	22	31	25	25	27	23	10	24	15	25	17	17	16	12	17	17	8	10
September	37	29	40	32	26	36	29	23	39	31	24	19	23	22	21	20	25	16	16	14	17	14	17	10	17	15	8	11	20	11
October	39	41	29	35	42	38	31	22	21	21	30	23	28	29	15	19	23	22	11	15	8	8	18	14	15	11	11	27	10	17
November	40	35	42	27	35	39	25	29	25	22	25	29	26	22	20	24	15	13	16	25	14	21	16	9	9	15	12	15	7	8
December	44	38	35	31	41	39	29	28	25	18	22	24	27	22	16	19	20	24	19	20	13	16	14	21	7	11	12	17	12	15
total	448	392	414	409	417	405	351	305	344	323	326	275	293	293	256	268	264	260	186	211	522	199	201	180	160	177	160	183	141	136

Prefecture of fatal accidents in manufacturing in 1991-2020

Prefecture	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Hokkaido	23	14	18	21	16	14	17	16	10	13	20	16	15	14	16	10	8	9	3	5	4	8	6	4	7	7	8	11	10	6
Aomori	3	4	6	1	3	3	2	4	1	0	4	0	0	3	1	0	5	4	2	2	1	1	0	2	1	2	1	4	2	0
Iwate	4	1	7	3	1	7	3	1	5	1	2	2	1	7	3	7	2	1	1	3	70	4	1	2	2	3	3	2	0	2
Miyagi	7	8	9	8	7	2	4	4	4	6	8	5	4	7	4	6	1	5	3	0	249	3	3	1	3	4	1	4	1	5
Akita	1	3	4	3	1	1	3	1	4	2	4	2	0	1	2	1	2	3	2	1	3	1	3	0	2	2	2	1	0	1
Yamagata	5	4	2	4	5	5	7	3	6	2	4	4	0	4	1	1	2	6	2	3	2	0	3	2	2	2	1	2	0	1
Fukushima	10	3	7	10	7	10	7	2	8	4	5	5	8	6	6	2	8	7	1	5	28	2	1	6	1	2	2	2	5	2
Ibaraki	13	14	15	9	12	11	9	8	17	10	13	8	6	6	11	2	10	10	7	6	2	7	7	9	2	4	2	3	11	2
Tochigi	6	11	7	10	9	10	6	2	5	6	9	6	6	5	5	7	1	7	7	5	2	3	1	5	3	1	3	2	4	2
Gunma	8	3	12	7	8	10	9	10	6	12	14	6	2	4	3	7	6	4	5	4	1	2	7	5	3	3	7	3	1	2
Saitama	15	21	18	19	11	21	9	11	12	14	13	14	13	12	12	6	10	5	6	10	6	15	10	7	6	9	3	8	4	4
Chiba	21	18	15	24	16	24	10	16	12	13	13	18	11	15	11	9	15	13	6	10	8	7	9	11	11	7	8	10	3	8
Tokyo	16	10	13	22	10	6	8	10	11	8	8	9	3	7	6	4	3	5	3	6	5	9	4	5	4	5	0	3	7	1
Kanagawa	16	16	19	12	15	19	13	17	12	14	12	9	16	5	11	8	16	6	6	8	8	13	5	8	4	3	6	6	2	5
Niigata	8	9	8	14	13	9	7	8	7	6	1	7	5	6	6	8	8	5	4	4	3	2	9	3	2	4	1	4	1	0
Toyama	7	4	8	5	9	7	6	6	7	6	2	5	8	4	5	6	2	6	1	2	1	3	3	2	3	6	1	6	6	3
Ishikawa	4	1	4	2	5	2	7	4	1	1	2	6	1	4	1	3	1	3	4	3	2	0	1	2	0	2	2	3	0	2
Fukui	8	2	5	2	8	5	3	1	3	2	2	2	2	1	0	0	4	4	2	2	1	2	8	3	0	3	0	4	7	1
Yamanashi	1	4	2	2	0	1	1	4	1	2	4	5	2	2	1	2	2	5	2	2	4	0	1	2	1	1	3	3	1	1
Nagano	8	8	5	10	5	7	5	8	6	9	6	4	2	8	2	5	3	0	0	4	5	2	2	1	3	4	3	4	3	4
Gifu	11	11	17	8	9	10	8	4	15	6	4	10	9	10	4	4	4	10	6	4	5	4	10	2	9	4	4	3	2	2

Shizuoka	23	20	10	13	24	13	19	6	16	25	13	8	15	12	9	12	8	14	9	9	10	4	10	7	9	8	13	7	5	6
Aichi	34	25	30	34	27	17	35	23	23	23	24	13	26	21	18	28	23	18	7	10	11	18	17	14	7	9	11	20	9	11
Mie	8	11	10	5	9	7	8	6	7	8	7	6	6	10	9	6	7	6	7	10	3	6	5	5	5	1	3	2	1	1
Shiga	7	7	2	9	6	10	5	8	7	12	2	0	6	5	6	4	4	3	4	4	2	2	2	1	1	5	4	2	4	5
Kyoto	6	5	6	8	6	7	8	6	6	5	6	4	5	5	0	10	2	7	3	4	4	0	3	2	2	0	3	1	1	1
Osaka	39	27	27	21	33	33	25	22	20	22	21	16	21	24	18	31	20	14	14	12	14	14	14	10	11	11	11	10	6	9
Hyogo	26	21	23	24	44	30	26	12	15	12	29	17	18	13	14	18	17	8	8	19	11	9	7	13	10	13	8	6	6	5
Nara	2	9	5	3	4	4	1	3	3	2	3	0	3	4	1	1	3	2	2	2	1	1	2	1	1	7	1	2	2	1
Wakayama	5	6	4	4	4	3	4	7	8	4	4	1	0	3	6	5	5	3	0	1	3	2	1	3	3	3	2	2	0	1
Tottori	1	1	2	1	2	0	0	1	0	1	1	0	0	0	5	2	2	0	1	1	1	0	0	0	0	1	1	1	0	1
Shimane	1	2	5	2	1	5	1	4	2	4	1	2	4	0	3	0	1	0	1	1	3	1	3	0	0	0	1	1	0	1
Okayama	12	7	12	6	16	11	11	6	7	6	10	4	6	6	3	4	7	5	4	5	4	7	6	1	5	4	5	5	2	3
Hiroshima	18	14	16	20	15	26	13	12	13	11	7	8	10	17	9	11	6	19	5	10	6	5	5	5	5	6	8	12	10	5
Yamaguchi	5	8	5	9	7	5	4	5	5	3	3	11	5	2	5	3	6	5	5	2	3	4	4	2	5	3	3	3	1	1
Tokushima	3	4	4	6	2	0	5	5	4	8	3	2	2	1	1	0	0	1	3	3	2	1	2	3	0	3	1	2	2	0
Kagawa	7	4	7	4	3	10	6	6	5	2	3	6	6	4	3	2	5	3	1	0	7	7	5	2	2	2	2	0	1	5
Ehime	11	4	9	4	7	6	3	9	8	8	10	4	7	7	8	4	8	9	7	5	4	5	5	2	4	6	5	2	3	6
Kochi	0	5	1	3	6	4	2	0	5	1	2	2	0	4	3	0	3	0	3	2	0	1	2	1	1	0	0	2	3	0
Fukuoka	22	12	9	21	10	9	12	7	13	10	5	11	18	10	6	8	3	8	8	6	7	9	4	8	7	5	7	4	4	6
Saga	5	4	4	2	2	3	1	2	2	1	3	0	2	1	0	2	1	1	1	0	1	0	2	2	1	0	0	3	1	4
Nagasaki	2	5	4	3	2	2	2	3	2	3	4	6	1	1	5	6	2	2	4	4	5	3	2	4	2	1	2	2	2	5
Kumamoto	5	6	5	3	4	3	4	5	2	5	6	2	1	3	2	4	4	5	4	5	2	2	2	0	5	4	1	3	3	1
Oita	3	6	5	3	6	5	4	1	8	4	0	3	3	3	5	5	3	4	9	2	3	4	2	5	2	3	3	1	2	1
Miyazaki	2	4	2	2	2	2	2	1	4	2	6	2	4	2	3	1	2	1	2	4	1	1	0	2	1	2	2	1	0	1
Kagoshima	3	6	5	3	5	6	4	3	3	2	2	3	9	4	2	2	6	3	1	1	3	3	1	4	2	2	1	1	2	2
Okinawa	3	0	1	0	0	0	2	2	3	2	1	1	1	0	1	1	3	1	0	0	1	2	1	1	0	0	1	0	1	0
total	448	392	414	409	417	405	351	305	344	323	326	275	293	293	256	268	264	260	186	211	522	199	201	180	160	177	160	183	141	136

Data sources: <https://anzeninfo.mhlw.go.jp/user/anzen/tok/anst00.htm> (MHLW, Japan)

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