

Fatal accidents in civil engineering work in Japan in 1991-2020

civil engineering work industry Code No.0301

Type of fatal accidents in civil engineering work 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	111	96	117	105	112	113	91	110	105	83	59	55	69	65	56	44	45	34	31	39	33	39	35	23	19	26	34	30	25	25
falling to same level	16	18	11	19	21	17	15	11	15	16	12	8	10	7	9	5	5	3	5	8	4	6	6	7	6	2	2	3	2	4
crash	2	3	0	1	2	2	4	1	3	1	2	1	2	4	1	0	1	0	3	1	0	2	2	1	0	0	0	1	1	0
struck by flying or falling object	31	35	38	32	43	36	27	30	32	28	16	20	11	11	10	13	16	13	10	8	8	5	8	8	8	7	7	10	5	6
collapse	87	69	81	67	82	84	48	44	65	42	45	46	40	31	23	25	20	23	22	17	13	21	22	17	12	13	15	11	18	14
crashed by	44	38	44	39	45	56	42	27	38	50	34	23	16	27	27	25	16	18	18	12	13	19	15	19	17	13	14	13	14	9
caught in/between	61	67	80	67	74	76	64	57	66	52	52	47	39	31	32	25	25	28	26	21	15	22	10	21	24	10	20	18	6	17
cut	1	2	2	3	1	4	1	1	2	3	0	1	0	0	2	1	1	1	0	1	1	2	1	1	0	0	0	3	1	1
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	0	0	0	0	0	0	0	0
drown	22	14	12	16	10	10	11	9	5	6	5	7	7	9	4	6	3	14	7	4	31	11	4	14	3	4	5	7	3	3
contact to high/low-temperature	5	2	2	1	15	1	10	5	5	8	8	8	3	2	2	4	1	5	0	6	1	5	3	1	3	2	3	1	2	2
contact to harmful substance	3	4	1	7	12	9	3	3	1	7	3	2	0	2	1	5	1	8	1	5	2	0	4	3	2	0	1	0	0	2
electric shock	2	3	1	0	2	3	2	2	1	0	0	1	0	1	1	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0
explosion	1	2	5	1	0	1	0	0	1	0	0	0	0	0	1	0	0	2	0	1	0	2	1	0	0	0	0	0	0	0
burst	0	0	0	1	0	0	0	0	0	1	1	0	0	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0
fire	5	0	1	7	2	2	5	1	1	3	2	0	0	0	0	1	0	0	1	0	0	0	1	3	0	0	0	0	0	0
traffic accident (public road)	57	75	66	59	62	57	48	59	60	48	58	35	34	35	28	31	23	16	22	16	14	14	15	19	9	18	19	11	10	15
traffic accident (others)	6	5	6	5	2	5	4	0	0	0	1	6	1	1	4	2	1	0	3	0	1	2	0	0	0	0	1	0	1	1
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	0	0	0	0	0	0	0	0
others	3	4	1	6	5	3	2	0	4	2	1	1	2	4	5	11	1	2	0	0	30	3	3	1	3	4	2	2	1	3
unclassifiable	0	0	1	1	0	0	0	0	1	0	0	1	0	0	0	1	0	0	1	0	1	0	1	0	1	0	0	1	1	0
total	457	437	469	437	490	479	377	360	405	350	299	262	234	230	207	200	160	168	150	140	167	153	131	138	107	100	123	111	90	102

January	40	33	49	38	34	44	27	21	33	39	21	28	16	22	16	17	11	16	12	14	14	8	14	11	11	6	15	9	7	11
February	50	40	48	39	53	39	41	37	39	37	16	25	31	24	15	18	26	13	22	17	11	27	4	16	9	9	11	11	11	11
March	56	31	47	46	50	53	39	33	40	33	37	30	23	19	20	16	9	13	10	10	62	11	6	15	8	10	7	13	9	9
April	26	33	32	40	36	37	31	30	38	21	27	17	16	6	19	15	9	5	4	4	7	11	9	8	6	10	4	4	3	11
May	22	21	14	26	28	26	27	21	26	19	19	14	18	8	15	8	10	10	8	7	7	9	11	6	8	6	11	6	6	8
June	32	32	41	30	29	37	22	28	26	27	23	10	15	16	14	13	16	8	11	7	7	16	7	8	7	3	8	12	7	6
July	40	38	33	26	44	50	37	38	25	30	25	25	29	22	13	22	14	20	13	15	4	15	13	17	10	9	15	12	8	4
August	41	39	36	35	38	31	30	31	37	31	32	25	21	17	15	15	7	21	13	12	8	7	15	14	11	6	7	6	5	8
September	34	49	24	32	42	36	29	34	39	25	19	15	14	26	10	21	17	14	12	11	9	7	11	4	11	15	10	10	3	8
October	36	40	54	35	43	35	28	27	26	27	24	25	16	32	19	17	17	16	17	16	14	14	11	16	13	9	13	14	13	8
November	37	51	37	50	52	36	33	26	30	35	17	20	19	22	28	22	9	17	13	13	12	13	17	9	10	6	12	10	8	7
December	43	30	54	40	41	55	33	34	46	26	39	28	16	16	23	16	15	15	15	14	12	15	13	14	3	11	10	4	10	11
total	457	437	469	437	490	479	377	360	405	350	299	262	234	230	207	200	160	168	150	140	167	153	131	138	107	100	123	111	90	102

Prefecture of fatal accidents in civil engineering work 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	20	36	34	38	34	41	21	21	37	29	22	22	15	23	19	15	7	11	16	8	5	16	14	13	8	11	13	9	9	6
Aomori	4	5	8	7	11	11	7	6	3	6	6	6	4	2	4	4	3	2	1	0	3	3	0	3	1	0	1	2	1	2
Iwate	6	8	8	6	12	10	8	8	4	5	5	6	8	2	5	0	2	5	5	1	29	3	1	5	5	3	3	6	5	2
Miyagi	8	8	10	6	11	6	10	4	12	7	5	3	4	1	1	2	3	5	4	3	25	4	4	4	1	4	2	2	3	1
Akita	7	11	4	12	11	12	6	10	4	4	2	2	3	3	5	7	3	1	2	3	2	1	9	1	5	2	2	1	0	1
Yamagata	3	4	8	8	2	8	4	2	7	5	4	1	0	2	2	2	0	1	2	1	0	4	1	4	0	2	1	1	1	1
Fukushima	15	11	9	18	15	15	9	6	10	5	8	8	6	3	6	4	2	3	6	2	7	5	7	6	5	3	4	0	2	5
Ibaraki	15	9	8	8	11	9	8	5	7	4	8	11	6	4	5	1	3	4	3	3	2	7	4	1	5	6	4	5	2	2
Tochigi	10	7	9	6	5	8	5	5	7	10	6	5	3	7	3	3	2	0	2	2	1	1	0	0	1	0	0	0	1	2
Gunma	9	8	7	6	6	5	9	7	9	2	8	2	5	4	5	3	3	1	3	2	0	1	1	3	1	0	3	0	0	2
Saitama	16	14	8	13	9	9	6	9	8	9	7	8	7	10	6	4	4	4	2	4	3	1	2	3	4	1	5	3	3	2
Chiba	16	19	14	11	19	9	7	9	6	8	9	9	8	13	9	11	8	3	6	5	2	3	2	5	5	3	4	3	1	4
Tokyo	17	11	21	16	16	23	12	11	20	15	6	9	4	6	11	10	6	10	3	9	8	6	3	13	5	6	5	2	3	5
Kanagawa	14	21	22	15	20	17	14	12	13	14	8	5	10	14	8	7	4	4	7	3	5	4	2	2	3	2	3	4	2	6
Niigata	22	8	11	13	17	27	15	8	11	7	7	7	8	7	14	4	4	8	6	6	4	6	5	2	1	1	1	4	3	3
Toyama	9	5	10	10	14	7	6	10	4	1	9	2	3	2	4	3	4	1	1	5	7	2	2	1	2	0	3	4	2	1
Ishikawa	4	2	3	5	6	2	1	4	4	3	0	2	3	4	4	1	2	3	3	1	1	2	0	1	0	2	4	1	3	1
Fukui	5	5	3	3	7	5	4	7	5	3	4	4	2	4	2	2	4	3	2	2	1	1	0	3	0	0	0	2	0	2
Yamanashi	7	12	2	7	9	6	8	5	5	7	7	7	4	5	1	4	4	7	3	1	3	0	3	5	2	3	2	1	1	3
Nagano	20	11	18	11	23	18	13	14	9	12	13	5	5	0	5	2	1	4	3	6	4	4	4	5	1	2	3	2	3	1
Gifu	15	3	16	9	9	11	10	4	8	12	3	7	12	3	4	5	1	3	0	8	1	1	0	1	4	2	4	2	0	2

Shizuoka	9	10	18	8	10	13	15	12	7	10	8	12	10	6	4	8	8	7	7	3	4	5	4	5	7	5	0	5	0	4
Aichi	11	17	13	17	18	10	15	13	13	9	13	13	11	14	6	10	5	8	5	5	4	2	8	6	3	2	6	4	4	4
Mie	14	7	14	7	10	9	7	6	13	12	10	6	5	1	1	2	4	8	1	3	2	4	2	2	3	2	1	3	3	2
Shiga	3	3	5	8	3	4	6	4	3	6	3	2	2	1	2	1	3	2	2	0	0	2	1	1	0	0	0	1	1	1
Kyoto	7	8	6	5	8	5	6	6	6	8	5	5	2	0	1	4	0	2	1	2	0	3	2	1	2	1	4	1	1	1
Osaka	11	11	15	17	16	14	9	7	7	9	7	5	6	4	8	9	7	8	3	3	2	1	2	2	1	1	6	3	1	5
Hyogo	21	21	14	10	26	28	23	10	11	14	7	12	5	7	3	9	5	0	6	2	7	7	3	4	3	4	2	4	4	4
Nara	9	6	8	3	5	5	8	4	6	2	4	1	3	4	1	1	4	1	1	2	2	3	2	4	2	2	1	2	1	1
Wakayama	10	3	9	3	6	8	6	5	6	3	4	3	2	3	0	5	3	2	3	0	1	3	3	0	0	3	2	0	2	3
Tottori	4	2	1	1	2	5	0	3	11	3	3	2	0	2	1	4	1	1	3	0	0	2	2	1	0	0	2	0	0	2
Shimane	4	6	8	3	6	2	4	10	8	2	6	2	7	0	0	2	2	1	3	1	2	2	3	1	0	1	0	1	1	1
Okayama	12	3	10	13	8	12	6	11	7	9	5	6	2	5	6	2	3	2	3	2	1	7	7	2	1	1	2	1	1	0
Hiroshima	13	12	12	12	10	6	3	10	10	12	11	3	3	8	5	0	4	4	3	5	6	3	4	3	0	0	3	5	2	0
Yamaguchi	7	11	13	9	4	5	8	7	8	8	5	1	3	5	3	7	4	0	1	2	2	2	2	3	2	2	3	1	2	1
Tokushima	5	13	2	3	9	6	5	6	9	4	5	3	2	3	5	2	3	2	1	2	2	0	0	3	0	0	3	4	2	1
Kagawa	4	3	3	3	5	2	3	1	5	1	2	5	2	3	2	2	3	2	1	1	0	3	0	0	0	0	1	2	0	1
Ehime	10	9	11	7	5	7	8	18	5	10	5	7	6	4	3	3	2	2	3	3	2	1	1	1	3	2	3	5	2	1
Kochi	7	5	7	4	10	8	5	10	9	8	7	7	2	7	6	2	2	1	1	2	2	6	4	2	2	4	1	1	3	0
Fukuoka	13	15	12	16	16	15	16	9	16	8	10	10	12	5	5	10	6	12	6	4	3	8	4	3	6	0	3	3	1	3
Saga	3	7	3	6	4	7	5	4	3	4	3	2	1	4	3	3	0	3	0	4	0	0	2	0	1	4	2	1	0	3
Nagasaki	5	11	8	4	3	10	6	9	7	6	5	2	5	3	4	4	2	4	5	1	3	2	1	0	1	3	0	1	2	1
Kumamoto	4	12	8	9	12	12	5	7	8	7	6	1	10	6	1	4	3	3	3	8	1	3	3	4	0	2	1	3	3	2
Oita	8	5	8	13	6	9	8	11	10	9	5	5	4	2	4	0	3	4	2	1	1	5	1	2	3	2	6	2	2	1
Miyazaki	8	9	4	11	6	7	4	4	4	6	7	5	5	3	0	3	4	1	0	2	2	1	3	2	4	3	1	0	3	2
Kagoshima	10	6	20	13	12	9	12	5	15	10	5	8	3	8	9	3	8	4	4	6	2	3	3	3	3	2	2	2	1	2
Okinawa	3	4	4	4	3	2	1	1	5	2	1	3	1	3	1	6	1	1	2	1	3	0	0	2	1	1	1	2	3	2
total	457	437	469	437	490	479	377	360	405	350	299	262	234	230	207	200	160	168	150	140	167	153	131	138	107	100	123	111	90	102

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

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