

Fatal accidents in commercial cleaning and livestock process in Japan in 1991-2020

commercial cleaning and livestock process industry Code No.15

Type of fatal accidents in commercial cleaning and livestock process 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	12	15	23	21	21	27	22	23	17	21	16	21	29	16	18	14	19	16	16	24	6	19	11	23	11	16	18	19	18	9
falling to same level	3	1	2	3	0	1	0	0	5	2	1	1	2	2	1	4	1	2	1	1	2	2	2	0	3	0	0	5	1	3
crash	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	2
struck by flying or falling object	1	2	1	1	1	2	1	2	1	3	2	3	2	1	5	1	0	1	1	6	1	1	0	0	2	3	0	2	1	2
collapse	0	1	0	2	1	2	1	2	0	1	0	2	0	0	1	0	0	2	2	0	1	0	2	1	0	4	1	3	0	0
crashed by	2	2	3	5	1	3	2	3	4	8	4	3	3	2	5	5	4	4	4	2	3	3	5	5	3	0	4	3	2	0
caught in/between	10	10	8	10	14	11	13	13	7	18	11	16	16	17	15	9	9	18	14	14	11	11	21	11	12	6	10	5	8	15
cut	0	0	0	0	0	1	0	2	0	0	1	0	0	0	0	0	1	0	0	1	0	1	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	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
drown	0	1	1	0	0	1	2	1	1	1	1	0	1	1	1	1	1	2	2	1	20	0	0	2	2	1	3	2	2	0
contact to high/low-temperature	0	1	0	0	1	0	2	2	1	0	1	2	0	0	1	0	1	0	0	2	2	1	1	0	2	2	1	0	0	4
contact to harmful substance	1	2	4	1	3	4	0	3	5	4	2	8	2	2	0	4	0	0	0	2	2	3	1	0	0	1	1	2	4	2
electric shock	0	1	0	1	5	0	0	1	0	2	2	0	0	0	0	2	0	0	1	0	1	0	0	1	0	0	0	0	0	0
explosion	0	1	0	2	1	0	3	2	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
burst	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0
fire	0	1	0	0	0	1	0	1	2	0	0	0	1	1	0	0	0	0	0	0	0	1	0	0	1	0	0	0	1	0
traffic accident (public road)	26	20	18	8	6	9	14	17	11	10	17	12	8	8	10	13	4	10	3	9	6	5	5	8	4	4	6	7	7	11
traffic accident (others)	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	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	0	0	0	0	0	0	0	0
others	0	0	0	1	0	0	0	0	1	0	1	0	2	1	1	1	2	0	1	0	11	0	1	1	1	3	0	0	2	0
unclassifiable	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
total	55	59	60	55	55	62	61	74	58	70	61	69	66	51	59	54	43	55	45	62	67	47	49	53	41	41	44	49	46	48





January	5	4	5	6	4	4	6	8	7	0	2	2	5	5	4	3	1	6	8	5	1	3	5	4	3	8	5	9	3	5
February	4	6	7	2	3	1	8	4	1	3	4	4	5	5	2	6	2	6	3	4	2	1	3	5	3	0	4	4	4	3
March	3	6	3	3	7	4	4	7	7	8	5	12	5	4	6	6	4	4	3	7	36	5	4	3	2	6	3	5	3	3
April	7	3	4	5	2	6	3	2	5	3	9	6	5	6	5	4	3	7	1	2	4	6	5	3	4	4	1	2	2	6
May	6	6	8	5	5	7	9	5	5	6	6	7	5	4	5	4	4	6	5	3	2	3	1	5	8	4	5	4	4	1
June	3	2	3	13	5	7	7	6	3	10	7	3	6	5	4	4	3	2	7	6	4	4	5	6	2	3	1	1	6	1
July	5	8	6	4	6	7	4	12	6	5	6	6	7	1	5	4	2	3	2	9	1	3	4	4	2	3	1	4	3	4
August	5	6	3	7	3	6	8	7	4	6	4	9	2	4	6	6	6	6	4	3	4	7	5	1	4	0	7	5	5	8
September	6	5	6	3	3	1	7	6	5	6	6	1	1	2	5	5	2	2	4	4	2	3	4	6	4	3	2	8	4	5
October	5	5	4	1	8	2	3	6	7	13	5	7	11	3	9	5	3	2	1	4	1	6	3	5	3	6	6	2	6	6
November	3	3	4	2	6	7	2	4	6	7	2	7	8	5	5	1	10	5	3	10	5	2	7	5	4	1	2	3	5	3
December	3	5	7	4	3	10	0	7	2	3	5	5	6	7	3	6	3	6	4	5	5	4	3	6	2	3	7	2	1	3
total	55	59	60	55	55	62	61	74	58	70	61	69	66	51	59	54	43	55	45	62	67	47	49	53	41	41	44	49	46	48

Prefecture of fatal accidents in commercial cleaning and livestock process 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	1	3	3	6	4	1	2	5	4	6	3	6	2	5	7	2	3	3	9	3	2	2	0	1	1	0	2	3	1	3
Aomori	1	0	0	0	1	0	0	1	0	1	1	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	1	0	0	1
Iwate	0	0	0	0	0	1	0	2	0	1	1	0	0	0	0	1	1	1	0	0	11	1	1	2	1	0	0	1	0	2
Miyagi	0	1	1	2	1	1	1	2	0	0	0	1	2	2	0	0	0	1	0	2	18	1	1	1	0	1	2	1	1	1
Akita	0	0	0	0	2	0	1	0	0	2	0	0	0	0	1	0	0	0	0	0	1	0	0	1	0	0	0	1	0	0
Yamagata	0	2	0	0	0	1	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	1	0
Fukushima	0	0	1	1	0	2	1	0	2	1	2	1	1	0	2	4	0	1	0	1	2	0	0	0	0	1	0	0	1	1
Ibaraki	1	1	0	2	2	3	2	4	0	1	2	2	2	1	1	2	3	0	1	4	1	3	2	0	1	2	1	1	0	4
Tochigi	4	4	2	1	1	1	4	2	0	1	2	0	3	1	1	1	0	1	1	2	0	1	2	2	0	0	0	1	2	1
Gunma	0	3	1	0	0	1	2	0	1	3	1	4	1	1	1	1	1	0	2	0	0	1	2	0	1	1	0	2	0	0
Saitama	3	0	3	3	3	4	1	3	3	3	6	5	3	2	3	3	1	5	2	6	2	3	5	2	2	4	1	3	5	1
Chiba	3	2	5	3	0	1	4	3	6	4	3	1	3	2	4	4	3	3	1	0	0	1	1	3	3	1	2	2	2	2
Tokyo	6	13	8	6	9	7	4	9	6	11	5	5	10	7	6	3	10	4	4	7	6	6	6	7	6	4	7	4	8	2
Kanagawa	5	2	5	1	5	2	2	6	0	5	5	4	5	2	6	5	0	6	2	5	1	3	3	1	3	2	4	5	3	6
Niigata	1	2	1	2	1	3	1	0	2	1	1	1	1	1	0	0	0	0	1	2	1	0	1	1	3	0	1	0	1	0
Toyama	1	1	0	0	0	1	0	0	1	0	1	0	1	1	0	0	0	0	1	1	1	0	0	0	0	2	0	2	0	1
Ishikawa	1	0	0	1	0	1	0	2	1	1	1	0	2	1	0	0	0	1	2	0	0	2	0	1	1	1	0	0	0	0
Fukui	1	0	0	0	0	1	1	0	2	0	0	0	0	1	1	0	0	0	0	1	0	0	0	2	0	0	1	0	0	0
Yamanashi	1	1	0	0	0	0	1	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Nagano	1	0	2	1	0	2	4	2	3	1	2	2	1	0	1	0	1	1	0	1	1	0	0	0	2	0	1	4	0	0
Gifu	2	0	0	1	0	1	0	3	0	1	1	1	1	0	0	1	1	1	0	1	2	2	1	0	0	0	2	0	0	0

Shizuoka	4	0	2	1	0	2	3	1	3	3	2	5	3	2	3	2	3	3	0	3	0	0	1	3	2	0	0	3	1	2
Aichi	3	0	5	0	6	2	2	3	4	2	2	9	6	1	1	1	3	6	4	6	1	2	0	7	3	2	3	1	2	3
Mie	1	3	1	1	0	2	0	0	1	1	2	0	0	0	0	1	1	1	0	1	3	0	0	1	0	0	0	0	2	1
Shiga	0	1	0	1	0	0	2	2	0	1	1	0	0	0	0	0	0	0	0	0	1	1	0	1	0	2	0	0	0	0
Kyoto	1	2	1	1	4	2	0	0	0	1	0	2	1	0	4	0	2	0	0	0	1	0	2	1	0	0	1	0	1	0
Osaka	2	7	2	5	2	4	3	6	2	3	1	3	4	6	5	3	2	2	3	3	3	0	5	2	1	3	2	4	4	2
Hyogo	2	1	4	4	4	3	5	3	6	5	3	3	1	3	0	3	1	2	2	2	1	2	2	2	6	3	0	2	2	2
Nara	0	2	0	0	1	1	0	1	1	0	1	0	1	0	0	2	0	0	1	0	1	1	1	1	0	1	0	1	0	3
Wakayama	0	1	0	0	0	0	0	0	0	0	3	0	0	1	1	0	0	0	1	0	0	0	0	1	0	0	0	1	1	1
Tottori	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
Shimane	1	1	1	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	1	0	2	0	0	0	0
Okayama	2	0	1	0	2	2	0	1	1	1	0	2	0	0	2	1	0	0	1	0	0	1	1	0	0	1	0	0	1	2
Hiroshima	0	0	3	0	0	2	3	2	1	2	0	2	1	2	2	3	2	5	0	1	1	1	1	3	1	1	1	2	1	2
Yamaguchi	1	1	0	2	1	0	1	0	0	0	0	0	1	2	1	0	0	0	2	0	0	1	0	2	0	0	0	1	1	0
Tokushima	1	0	0	1	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kagawa	0	1	0	0	0	0	0	0	0	1	0	0	0	2	0	0	1	1	0	1	0	0	1	0	0	0	0	0	0	0
Ehime	1	1	1	0	0	0	3	0	1	0	0	0	0	0	2	1	1	2	0	1	0	0	2	2	1	3	0	0	0	1
Kochi	1	0	0	0	1	0	1	1	1	0	1	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	2	0	0	0
Fukuoka	2	1	1	1	4	3	2	1	4	3	4	4	1	1	1	1	1	1	2	2	0	5	5	1	0	1	0	1	2	1
Saga	0	0	2	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	1	0	0	0
Nagasaki	0	0	1	1	0	0	3	1	0	0	1	0	2	0	0	2	0	0	1	1	0	2	1	1	0	0	1	0	0	0
Kumamoto	0	1	1	3	1	1	1	1	0	0	0	2	2	1	1	2	1	1	1	0	1	0	0	0	0	2	1	0	1	1
Oita	0	0	0	3	0	0	1	1	0	1	0	1	2	1	0	1	0	1	0	0	1	0	1	0	0	0	2	0	0	2
Miyazaki	0	0	0	0	0	1	0	1	0	0	0	1	0	0	0	1	0	0	0	0	1	1	0	0	0	0	1	2	0	0
Kagoshima	0	0	0	0	0	2	0	3	2	0	0	1	0	1	0	0	0	1	0	1	0	2	0	0	1	1	2	1	2	0
Okinawa	1	0	2	0	0	0	0	1	0	0	2	0	0	0	0	1	0	0	1	1	0	2	0	0	1	0	1	0	0	0
total	55	59	60	55	55	62	61	74	58	70	61	69	66	51	59	54	43	55	45	62	67	47	49	53	41	41	44	49	46	48

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

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