Fatal accidents in cargo handling service in Japan in 1991-2020

cargo handling service industry Code No.05

Type of fatal accidents in cargo handling service 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	9	4	4	5	11	6	3	3	6	4	8	6	2	3	4	4	5	5	6	1	7	1	0	3	0	2	2	3	2	3
falling to same level	3	0	1	3	1	2	1	0	0	2	1	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1	0
crash	0	0	1	0	0	0	0	0	1	1	0	0	0	0	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1
struck by flying or falling object	7	6	3	4	6	6	1	2	4	3	1	2	3	4	1	5	3	1	0	1	0	0	0	1	0	2	2	1	0	1
collapse	7	5	5	3	4	5	3	2	3	2	6	2	3	1	0	1	1	3	1	1	1	1	1	0	4	1	1	1	1	1
crashed by	6	8	4	5	4	4	8	4	2	2	5	2	5	2	3	5	1	1	1	4	1	2	0	1	1	2	1	0	3	0
caught in/between	4	5	5	3	8	12	7	7	1	2	3	2	4	6	3	5	5	2	5	5	4	4	3	1	6	5	6	1	2	2
cut	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
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	3	0	3	1	1	3	2	1	1	1	0	6	1	3	2	0	0	1	1	0	11	0	0	0	1	2	2	0	0	0
contact to high/low-temperature	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	1	2	0	0	0	2	0	0
contact to harmful substance	1	1	0	0	0	0	2	0	0	1	0	0	0	0	1	0	0	0	0	1	0	0	0	0	1	1	0	0	0	0
electric shock	1	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
explosion	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	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	0	0	0	0	0	0	0	0
fire	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2	0
traffic accident (public road)	4	1	3	5	2	5	2	1	2	2	2	3	0	1	2	2	3	2	1	0	1	0	0	1	0	0	0	0	2	5
traffic accident (others)	0	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	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	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	1	2	1	1	1	0	0
unclassifiable	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
total	45	31	30	29	38	43	30	21	21	20	26	25	18	20	18	25	19	15	16	14	29	9	7	10	15	16	15	10	13	13

Causal agents (middle) of fatal accidents in cargo handling service in 1991-2020

Causal (M) agents	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
engine	0	0	0	0	2	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
power transmission mechanism	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
woodworking machine	0	0	1	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
construction machine	3	0	1	1	0	2	2	0	1	0	0	0	1	0	1	0	1	0	0	1	0	1	0	0	2	0	1	0	1	0
metal manufacturing machine								0	0	1	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
general machine	0	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0
mobile silviculture machine																									0	0	0	0	0	0
crane	8	5	5	5	3	4	6	6	5	1	2	1	2	2	2	5	1	1	1	2	0	2	2	1	1	3	1	0	3	2
conveying machine	16	14	12	11	15	13	11	6	8	6	8	8	6	6	7	11	4	4	4	7	8	4	1	2	5	5	7	4	4	7
vehicle	1	0	3	6	0	6	1	2	2	1	2	5	1	3	2	0	4	2	2	0	2	0	1	2	1	0	1	1	1	2
pressure vessel	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
chemical facilities	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
welding equipment	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	2	0
kiln, caldron	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
electric equipment	1	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
human power machine, tools	1	0	0	0	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
tools	4	2	0	0	2	2	2	1	1	1	2	1	3	1	0	2	1	1	0	0	0	1	1	1	1	0	0	0	0	0
other equipments, facilities	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
temporary buildings, establishments	4	0	1	0	7	2	3	2	0	4	3	1	3	0	2	1	3	2	3	0	4	0	1	0	0	2	1	0	1	1
hazards,																														

harmful substances	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
materials	4	2	1	2	0	4	0	1	1	0	2	0	0	3	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
load	2	6	5	4	6	6	2	2	3	5	6	5	1	4	1	3	3	4	4	2	1	0	1	1	2	1	0	2	1	1
natural environment	1	0	0	0	0	0	1	0	0	1	0	3	1	0	2	0	1	0	1	1	12	0	0	2	1	3	1	2	0	0
other causal agent	0	0	0	0	1	0	1	0	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	1	0	2	0	0	1	2	1	1	1	0	0
unclassifiable	0	0	1	0	1	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
total	45	31	30	29	38	43	30	21	21	20	26	25	18	20	18	25	19	15	16	14	29	9	7	10	15	16	15	10	13	13

Workers age of fatal accidents in cargo handling service 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	1	0	0	1	1	1	1	0	0	0	0	0	0	0	1	2	2	0	1	0	0	0	0	0	1	2	0	0	0	1
20-29	4	4	3	4	1	7	3	4	3	1	3	3	1	1	0	2	1	3	0	1	1	1	0	2	2	2	0	2	2	5
30-39	8	4	4	3	3	1	3	2	5	4	7	3	5	3	2	5	5	2	4	2	10	3	1	0	7	3	4	1	2	0
40-49	14	9	7	4	8	12	4	4	2	1	5	4	2	2	3	2	5	0	5	2	7	1	3	5	0	3	6	1	5	0
50-59	17	11	14	13	21	14	11	8	7	13	6	13	9	4	8	9	2	6	1	4	7	4	3	1	3	2	5	3	4	4
60 years old or more	1	3	2	4	4	8	8	3	4	1	5	2	1	10	4	5	4	4	5	5	4	0	0	2	2	4	0	3	0	3
total	45	31	30	29	38	43	30	21	21	20	26	25	18	20	18	25	19	15	16	14	29	9	7	10	15	16	15	10	13	13

Workers' number of workplace of fatal accidents in cargo handling service 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	7	5	2	4	4	12	5	2	5	2	7	2	4	6	2	5	0	3	3	4	3	0	0	3	3	3	3	1	3	1
10-29	17	10	10	4	5	13	8	4	5	10	3	11	8	6	5	8	8	5	3	4	6	1	1	3	3	7	4	3	1	2
30-49	3	4	6	3	7	6	6	2	2	4	5	3	4	2	4	4	2	4	4	2	7	2	3	0	3	1	5	2	2	6
50-99	4	4	6	4	7	4	4	1	5	2	6	4	1	5	3	4	4	1	2	3	7	1	2	1	1	3	1	2	1	2
100-299	13	5	4	11	11	5	6	11	1	2	4	4	0	1	3	4	5	2	3	1	5	2	1	2	4	2	0	2	4	2
300 workers or more	1	3	2	3	4	3	1	1	3	0	1	1	1	0	1	0	0	0	1	0	1	3	0	1	1	0	2	0	2	0
total	45	31	30	29	38	43	30	21	21	20	26	25	18	20	18	25	19	15	16	14	29	9	7	10	15	16	15	10	13	13

Month of fatal accidents in cargo handling service 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

January	3	4	0	1	3	3	3	3	3	5	1	3	2	3	2	1	3	0	2	0	1	0	0	1	2	1	3	1	4	0
February	3	3	4	5	2	3	2	2	0	2	3	2	3	1	0	1	0	0	0	2	1	2	0	0	1	1	0	2	3	1
March	6	5	2	0	2	5	2	2	2	0	3	2	3	3	3	3	2	2	0	1	13	2	2	1	0	3	0	0	0	1
April	3	2	3	4	4	6	5	3	4	3	2	1	2	1	0	2	4	1	2	1	3	0	2	1	1	2	0	0	0	0
May	2	1	1	2	3	1	2	1	0	0	1	3	0	1	1	2	2	0	1	2	3	1	0	0	2	2	2	1	0	0
June	5	4	3	2	1	2	3	1	0	1	1	3	2	2	4	3	0	0	1	1	1	1	0	2	2	0	1	2	1	2
July	3	3	3	2	4	2	3	4	1	1	3	2	1	1	0	2	1	3	3	0	1	2	0	2	1	3	1	2	1	0
August	3	3	3	3	3	5	3	1	4	1	2	2	1	0	0	1	2	3	1	1	0	1	2	2	0	1	3	0	2	1
September	4	3	2	1	4	5	4	2	3	0	3	2	0	1	1	5	2	2	1	1	1	0	0	1	0	0	2	1	0	3
October	7	1	1	2	1	9	2	0	0	0	3	2	2	3	1	2	1	1	3	0	4	0	0	0	3	3	0	0	0	2
November	3	1	3	3	7	1	1	1	2	3	1	2	0	3	2	2	1	1	0	4	0	0	1	0	1	0	0	1	2	2
December	3	1	5	4	4	1	0	1	2	4	3	1	2	1	4	1	1	2	2	1	1	0	0	0	2	0	3	0	0	1
total	45	31	30	29	38	43	30	21	21	20	26	25	18	20	18	25	19	15	16	14	29	9	7	10	15	16	15	10	13	13

Prefecture of fatal accidents in cargo handling service 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	3	0	1	4	4	4	2	1	1	0	2	4	1	2	2	3	5	1	2	4	1	1	1	0	2	0	0	0	0	2
Aomori	0	0	0	1	0	2	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0
Iwate	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Miyagi	1	2	2	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	11	0	0	0	0	0	0	1	0	0
Akita	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
Yamagata	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fukushima	1	0	0	0	0	1	0	0	0	0	2	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	1	0	0	0
Ibaraki	0	0	1	2	0	2	3	2	1	0	0	0	1	1	0	1	0	0	1	0	1	0	0	2	1	0	1	1	0	0
Tochigi	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0
Gunma	0	0	0	0	2	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
Saitama	1	0	2	0	2	0	1	0	0	1	0	2	0	0	0	0	1	1	0	1	0	1	0	1	0	2	0	0	2	1
Chiba	3	3	4	0	1	1	3	0	1	1	2	4	1	1	3	4	2	0	3	0	0	2	0	2	2	2	2	1	0	0
Tokyo	5	3	1	2	3	6	1	1	4	3	0	2	3	1	0	1	1	1	1	0	3	1	1	0	0	0	1	0	2	1
Kanagawa	4	4	3	3	4	5	6	2	4	3	5	3	0	4	6	5	0	3	3	1	5	0	1	0	3	1	0	1	1	1
Niigata	0	1	1	1	1	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
Toyama	0	2	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
Ishikawa	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
Fukui	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
Yamanashi	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
Nagano	0	0	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
Gifu	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0

Shizuoka	0	1	0	2	0	1	0	1	0	0	0	1	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Aichi	1	0	4	2	3	5	3	2	2	3	0	3	3	1	0	3	1	1	0	0	0	0	1	0	1	3	2	1	2	3
Mie	0	0	0	0	1	0	1	1	0	0	3	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0
Shiga	0	0	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
Kyoto	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	0
Osaka	7	5	3	3	2	6	2	4	0	2	2	1	3	1	1	2	3	3	2	2	0	0	1	0	2	1	1	2	1	0
Hyogo	10	2	1	3	4	2	1	4	0	1	3	1	1	3	0	3	1	1	2	2	1	0	1	0	1	2	1	0	1	1
Nara	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	0	0
Wakayama	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	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	1	1	0	0	0	0	0	0	0	0
Shimane	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Okayama	0	0	1	1	0	0	1	0	0	0	1	0	0	0	1	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0
Hiroshima	1	1	1	0	0	2	1	0	4	1	0	0	0	0	0	0	2	0	1	0	2	1	0	0	0	1	1	0	0	0
Yamaguchi	1	0	2	1	1	1	0	0	2	0	0	1	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1
Tokushima	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kagawa	0	2	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Ehime	3	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	1	0
Kochi	0	1	1	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
Fukuoka	4	1	2	1	1	2	0	0	1	3	0	1	2	1	1	0	0	1	0	1	0	0	0	1	2	1	1	2	1	1
Saga	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	1	0	0	1
Nagasaki	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Kumamoto	0	0	0	0	0	0	0	0	0	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Oita	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1
Miyazaki	0	0	0	0	1	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
Kagoshima	0	0	0	2	4	0	0	0	1	0	0	0	1	0	0	1	0	1	0	0	0	1	0	1	1	0	1	0	0	0
Okinawa	0	1	0	0	0	0	1	1	0	0	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
total	45	31	30	29	38	43	30	21	21	20	26	25	18	20	18	25	19	15	16	14	29	9	7	10	15	16	15	10	13	13

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

Return to https://www.jisha.or.jp/english/statistics/1987_2020fatal_industry.html