

Industrial accidents in cargo/ light automobile transportation service in Japan in 1999-2020

cargo/ light automobile transportation service industry Code No.040303

Type of accidents in cargo/ light automobile transportation service 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	13	23	23	19	27	31	29	30	26	23	27	22	20	20	18	27	28	20	27	30	25	26
falling to same level	8	9	13	14	12	16	11	14	19	17	10	15	9	15	16	18	14	9	9	13	12	18
crash	3	7	4	4	6	8	7	9	7	9	8	5	7	2	6	7	5	7	8	5	2	6
struck by flying or falling object	2	6	6	6	3	10	4	3	7	4	6	2	4	5	5	6	5	6	6	4	4	2
collapse	4	2	0	3	4	1	5	6	0	4	0	4	0	4	5	3	3	2	1	3	1	4
crashed by	3	4	5	4	7	6	4	5	10	6	0	7	5	5	2	2	2	3	7	2	5	7
caught in/between	12	14	10	17	15	20	12	24	23	10	13	10	10	11	11	8	11	10	4	10	12	7
cut	0	1	2	5	2	2	3	1	3	1	0	3	1	4	0	3	0	0	2	0	2	3
injury to the sole of the foot	0	0	0	-	1	0	1	0	0	0	0	0	0	1	0	1	0	0	0	0	0	1
drown	0	0	0	-	0	-	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
contact to high/low-temperature	0	0	0	1	2	1	0	0	0	0	1	1	0	1	0	1	1	1	1	1	0	1
contact to harmful substance	0	0	0	-	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
electric shock	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
burst	0	0	0	-	0	-	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0
fire	0	0	0	-	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
traffic accident (public road)	15	18	17	15	27	15	24	13	16	27	12	17	14	11	9	9	17	17	11	14	7	19
traffic accident (others)	0	0	0	-	0	-	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0
reaction to motion/improper motion	4	5	12	12	8	13	13	11	15	9	15	9	8	12	12	15	8	14	13	13	7	21
others	0	0	0	-	1	-	0	1	0	1	0	0	0	0	0	0	2	0	1	0	1	1

unclassifiable	0	0	0	-	1	-	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
total	64	89	92	100	116	124	113	117	126	111	92	96	81	91	84	100	96	89	91	96	78	116

Causal agents (middle) of industrial accidents in cargo/ light automobile transportation service 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
power transmission mechanism	0	0	0	-	0	-	0	0	1	0	1	0	1	0	0	0	0	0	0	1	0	0
woodworking machine	0	0	0	1	0	-	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
construction machine	1	0	1	-	1	1	0	1	2	0	0	0	0	0	0	0	1	0	0	0	0	0
metal manufacturing machine	0	0	0	-	0	-	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
general machine	0	1	0	2	0	3	0	0	2	1	0	1	0	0	2	2	0	0	0	0	1	1
mobile silviculture machine																	0	0	0	0	0	0
crane	0	0	0	1	1	1	4	3	2	1	1	3	2	2	1	0	2	0	1	1	1	1
conveying machine	28	41	31	36	55	49	41	52	43	35	32	32	32	34	29	36	34	42	36	43	28	30
vehicle	11	12	9	13	12	12	17	6	11	23	14	15	10	12	5	6	11	8	7	8	7	13
pressure vessel	0	0	0	-	0	-	0	0	0	0	0	0	0	0	0	0	0	0	1	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
welding equipment	0	0	0	-	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
kiln, caldron	0	0	0	-	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
electric equipment	0	0	0	-	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
human power machine, tools	2	4	2	4	7	4	5	3	8	7	5	2	4	7	6	6	6	4	7	5	5	10
tools	2	2	5	5	5	5	6	8	5	7	5	1	6	3	5	5	6	7	1	7	5	11
other equipments, facilities	1	1	1	2	0	4	0	2	0	1	0	1	0	2	0	1	2	1	1	2	0	2
temporary buildings,	8	13	16	13	15	15	19	14	21	16	15	18	8	12	20	21	15	10	13	12	13	24

equipment																						
arc welding equipment			0	0	0	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
kiln, caldron			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
industrial dryer			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
transmission			0	0	0	0	0	0	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
other electrical equipment			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	1	0	0	0	0	1	0	0	0	4	
human power hauling equipment			2	5	4	3	7	5	5	2	4	5	6	6	5	4	5	5	4	4		
human power machine			0	1	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
hand tool			0	1	1	0	0	2	0	0	0	0	0	0	1	0	1	0	1	2		
ladder			1	1	2	2	0	1	3	0	2	0	0	1	2	1	1	3	1	6		
slinging tool			0	0	0	0	1	0	1	0	0	0	0	0	0	1	0	0	1	0		
other tools			4	4	4	6	4	6	1	1	4	3	5	4	4	5	0	4	3	5		
other equipment, facilities			1	0	0	2	0	1	0	1	0	2	0	1	2	1	1	2	0	2		
scaffolding			0	2	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0		
timbering			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
stairs, landing stage			2	2	1	3	2	2	6	5	3	2	3	4	1	2	4	0	5	5		
opening			0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	1	0		
roof, beam, haze, crossbeam, principal rafter			0	0	0	0	1	0	0	0	0	1	2	0	0	0	1	0	0	0		
working platform, boot board			2	4	0	0	2	3	2	6	0	0	2	3	3	2	1	3	0	0		
passage			6	6	8	8	9	4	5	4	4	7	6	8	5	3	2	5	6	11		
building, establishment			4	1	7	1	4	5	2	2	0	1	7	4	4	2	5	2	0	4		

19 years old or less	0	3	1	1	2	3	2	1	3	6	0	0	2	0	0	1	0	1	1	0	0	3
20-29	24	28	30	20	22	23	23	19	19	19	12	10	12	11	14	12	9	9	8	6	5	24
30-39	13	19	33	30	44	36	34	36	49	29	29	23	16	22	22	18	18	11	15	15	12	16
40-49	10	20	16	18	22	25	23	25	23	20	29	25	21	25	29	36	34	29	33	28	31	29
50-59	11	12	12	22	22	26	21	26	23	19	14	25	19	20	16	22	24	20	23	35	15	25
60 years old or more	6	7	0	9	4	11	10	10	9	18	8	13	11	13	3	11	11	19	11	12	15	19
total	64	89	92	100	116	124	113	117	126	111	92	96	81	91	84	100	96	89	91	96	78	116

Workers' number of workplace of industrial accidents in cargo/ light automobile transportation service 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	15	27	40	26	29	25	34	31	23	24	15	19	21	19	20	25	19	17	17	18	14	18
10-29	25	39	29	33	38	51	45	51	50	40	27	31	24	39	36	44	38	31	35	36	27	39
30-49	12	13	17	17	22	31	14	11	19	10	23	19	16	17	14	15	18	23	28	28	19	25
50-99	9	3	3	13	17	12	14	19	16	15	10	5	8	11	8	9	12	11	5	10	9	19
100-299	3	6	3	5	8	4	5	4	8	17	16	18	12	4	6	6	9	7	5	4	9	15
300 workers or more	0	1	0	6	2	1	1	1	10	5	1	4	0	1	0	1	0	0	1	0	0	0
total	64	89	92	100	116	124	113	117	126	111	92	96	81	91	84	100	96	89	91	96	78	116

Month of industrial accidents in cargo/ light automobile transportation service 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	8	4	9	7	9	10	6	11	9	4	5	8	5	9	8	15	4	6	8	6	13	7
February	8	8	6	3	9	13	16	8	6	12	8	5	7	10	5	8	3	8	1	6	9	10
March	5	7	5	10	3	9	14	6	10	16	7	11	10	6	9	8	12	5	9	9	5	8
April	7	10	4	7	11	8	14	17	14	10	11	5	6	9	5	10	9	12	5	10	5	6
May	6	9	12	5	11	8	6	6	6	8	10	6	3	6	4	9	10	3	12	7	14	10
June	5	7	8	12	11	10	7	8	6	15	6	10	7	7	9	8	8	10	6	6	10	10
July	2	8	13	8	9	10	4	10	10	6	10	9	6	6	12	8	6	10	6	8	1	11
August	5	9	7	11	8	12	10	10	9	11	7	12	10	7	3	8	11	7	13	5	6	9
September	3	8	9	7	14	12	6	12	13	6	7	6	7	8	6	10	11	9	13	9	6	7
October	6	11	10	10	11	18	12	7	15	9	7	7	6	7	8	3	5	5	6	6	4	10
November	4	2	3	7	11	6	7	9	15	7	6	6	4	8	9	8	7	3	6	13	3	8
December	5	6	6	13	9	8	11	13	13	7	8	11	10	8	6	5	10	11	6	11	2	20

total	64	89	92	100	116	124	113	117	126	111	92	96	81	91	84	100	96	89	91	96	78	116
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Prefecture of industrial accidents in cargo/ light automobile transportation service 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	1	2	0		4		3	3	4	1	3	3	4	2	5	3	3	6	2	5	7	1
Aomori	0	0	0		0		1	0	0	1	0	0	0	1	0	0	1	1	2	1	1	0
Iwate	1	0	0		0		0	1	1	0	0	0	0	0	0	0	0	0	1	1	1	0
Miyagi	1	3	0		2		1	2	1	0	1	3	2	1	0	1	1	3	2	1	0	1
Akita	1	1	6		2		2	3	3	2	2	0	1	1	1	0	0	0	1	1	1	1
Yamagata	0	0	2		0		0	0	0	1	0	0	0	0	1	1	0	1	1	2	0	0
Fukushima	1	0	0		1		0	2	3	0	0	1	1	4	1	1	1	2	1	2	1	2
Ibaraki	5	5	16		9		4	0	1	3	2	5	3	2	5	5	4	2	6	3	10	11
Tochigi	3	1	0		1		0	0	0	3	0	1	1	0	3	3	1	1	2	4	0	2
Gunma	0	1	1		1		1	6	4	3	0	0	0	3	5	4	6	11	6	2	5	5
Saitama	6	4	5		9		7	12	8	6	6	4	7	2	2	5	2	2	3	5	1	9
Chiba	4	1	2		6		7	2	1	4	0	4	4	3	2	2	1	0	2	3	4	2
Tokyo	4	10	6		7		11	5	8	9	14	2	6	10	8	10	8	5	10	4	4	8
Kanagawa	3	5	6		12		3	6	12	7	7	6	1	8	6	2	7	5	5	5	5	12
Niigata	1	4	0		1		3	2	3	0	1	1	0	1	2	1	0	1	1	0	2	0
Toyama	0	1	0		1		1	0	1	3	1	4	1	2	0	2	0	0	0	0	0	1
Ishikawa	2	2	0		0		0	0	1	1	0	0	0	0	2	0	1	2	1	0	0	1
Fukui	2	1	0		0		0	2	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Yamanashi	0	0	0		0		0	0	1	0	2	0	0	0	1	0	0	1	0	0	0	1
Nagano	1	1	2		2		3	3	6	0	0	0	1	2	1	0	0	1	0	2	1	0
Gifu	1	2	6		1		0	7	1	1	1	1	2	1	1	4	3	1	3	5	1	4
Shizuoka	0	0	0		2		5	3	8	7	1	1	3	1	0	4	2	3	1	11	2	8
Aichi	3	4	2		11		6	13	7	10	3	5	8	9	3	13	6	4	5	3	4	5
Mie	0	1	1		0		1	1	0	0	1	3	2	4	2	2	0	0	1	0	3	0
Shiga	0	0	1		2		1	1	1	0	0	0	0	0	1	0	0	3	2	1	1	2
Kyoto	1	3	2		7		3	3	2	3	3	4	1	2	2	3	2	2	2	3	2	2
Osaka	7	6	9		4		3	4	8	13	2	10	2	1	3	3	9	4	4	4	2	3
Hyogo	4	1	3		4		5	4	2	8	14	4	4	6	6	2	6	8	7	6	5	7
Nara	2	0	0		1		1	0	0	1	3	0	0	0	3	1	1	0	2	3	0	0
Wakayama	0	0	0		0		1	0	0	5	0	0	0	0	0	1	0	0	2	3	0	3
Tottori	0	1	0		0		0	0	1	1	2	0	0	1	2	1	1	1	1	3	0	1

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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
general machine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
mobile silviculture machine																	0	0	0	0	0	0
crane	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
conveying machine	0	0	1	1	0	3	1	0	1	0	0	2	0	1	0	1	1	1	0	1	0	1
vehicle	0	1	0	0	1	0	0	0	0	2	0	0	0	0	0	1	0	0	0	0	0	1
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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
electric 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, tools	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
tools	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other equipments, facilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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
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
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	0	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	1	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	1	0	0	0	0	0	0	0	0	1	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	0	1	1	1	2	3	1	0	1	2	0	2	2	2	0	1	2	1	0	1	0	2

stone, sand, substance	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	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	1	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	1	0	0	0	0	0	0	0	0	1	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	0	1	1	1	2	3	1	0	1	2	0	2	2	2	0	1	2	1	0	1	0	2

Workers age of fatal accidents in cargo/ light automobile transportation service 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	0	0	0	0	0	0	0	0	0	0	0	0	0
20-29	0	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
30-39	0	0	1	0	0	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
40-49	0	0	0	0	2	0	0	0	0	1	0	2	1	0	0	0	0	1	0	0	0	1
50-59	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	2	0	0	1	0	0
60 years old or more	0	0	0	1	0	1	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1
total	0	1	1	1	2	3	1	0	1	2	0	2	2	2	0	1	2	1	0	1	0	2

Workers' number of workplace of fatal accidents in cargo/ light automobile transportation service 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	0	1	0	0	1	3	1	0	0	1	0	0	0	1	0	1	1	0	0	1	0	1

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	1	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	0	1	1	1	2	3	1	0	1	2	0	2	2	2	0	1	2	1	0	1	0	2

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

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