

Industrial accidents in other transport equipment products in Japan in 1999-2020

other transport equipment products industry Code No.011509

Type of accidents in other transport equipment products 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	33	25	33	28	22	29	17	28	29	42	36	22	25	19	29	25	24	23	25	22	31	34
falling to same level	35	22	36	34	22	23	38	38	31	19	16	22	28	21	24	36	26	26	39	50	42	36
crash	13	29	22	9	20	15	14	17	14	11	9	6	14	2	8	10	19	11	7	12	4	10
struck by flying or falling object	59	47	38	35	39	39	37	25	34	32	21	16	33	20	24	20	22	22	19	25	23	21
collapse	5	6	11	7	9	5	6	12	8	7	3	7	7	8	6	10	4	8	7	7	6	2
crashed by	12	18	26	21	18	15	10	16	19	22	10	17	14	13	11	15	9	8	9	12	14	9
caught in/between	131	110	116	119	123	121	95	96	116	84	60	57	73	64	60	60	62	58	61	56	62	63
cut	21	29	27	23	26	25	26	16	28	21	13	13	9	12	15	19	12	21	16	18	21	9
injury to the sole of the foot	1	0	1	1	1	-	0	0	0	0	1	1	0	0	0	0	2	2	0	0	1	0
drown	0	0	0	-	0	-	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0
contact to high/low-temperature	13	5	7	6	9	5	6	7	8	5	4	9	4	8	4	6	3	4	6	9	10	5
contact to harmful substance	2	2	0	3	2	-	7	4	2	2	2	0	0	3	0	2	1	1	1	1	0	1
electric shock	0	1	0	-	0	1	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	2
explosion	2	1	0	-	0	-	3	0	1	1	0	0	0	0	1	1	0	1	0	0	0	0
burst	0	0	1	1	0	1	0	0	0	1	1	0	0	0	0	1	0	1	1	0	2	0
fire	0	0	1	2	1	-	0	2	0	1	0	1	0	0	0	0	0	0	0	0	1	1
traffic accident (public road)	6	1	3	3	5	6	6	6	4	3	3	5	0	6	2	0	1	5	1	4	2	1
traffic accident (others)	1	6	0	1	0	-	0	1	1	0	0	0	0	1	0	0	0	0	1	0	0	0
reaction to motion/improper motion	19	48	28	17	27	28	26	31	34	26	17	26	17	23	20	25	27	28	29	29	27	27
others	1	0	1	2	1	3	0	2	0	2	0	1	0	0	1	0	1	0	0	0	2	12

unclassifiable	0	0	0	-	2	1	0	2	0	0	0	0	0	0	0	1	1	0	0	1	0	0
total	354	350	351	312	327	317	291	304	329	279	196	203	228	200	205	231	215	219	222	246	248	233

Causal agents (middle) of industrial accidents in other transport equipment products 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	2	0	0	1	1	1	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0
power transmission mechanism	4	6	2	3	2	2	3	2	4	1	2	3	1	3	0	1	3	1	1	1	2	1
woodworking machine	3	2	4	1	7	2	3	1	2	0	1	1	0	1	0	4	0	4	1	1	1	1
construction machine	5	5	4	3	1	4	3	4	3	2	5	1	1	0	2	0	0	1	0	1	1	3
metal manufacturing machine	83	69	74	75	70	73	66	41	67	53	36	27	36	34	43	42	38	42	29	32	39	39
general machine	26	25	23	27	26	23	11	20	21	19	6	17	18	13	12	17	19	17	18	15	14	9
mobile silviculture machine																	0	0	0	0	0	0
crane	8	15	13	16	11	14	8	14	16	12	9	12	13	8	7	7	7	11	7	8	12	6
conveying machine	26	28	23	15	33	29	21	25	34	23	14	17	19	17	21	12	19	10	18	19	24	16
vehicle	10	8	13	7	6	9	9	8	10	6	6	8	1	5	3	3	4	6	4	8	3	3
pressure vessel	2	2	2	1	0	1	2	0	0	0	0	0	0	1	0	0	0	0	0	0	2	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	4	7	5	3	3	4	5	1	7	2	5	2	3	3	5	3	2	5	3	6	5	3
kiln, caldron	2	1	1	2	2	2	0	4	0	2	0	0	0	3	1	0	1	1	0	1	1	0
electric equipment	0	0	1	3	0	1	0	1	0	2	0	0	0	0	0	1	1	0	0	1	0	0
human power machine, tools	12	22	16	20	20	11	15	26	25	15	10	11	9	11	12	11	13	13	22	15	13	14
tools	25	25	24	20	27	24	18	20	19	31	25	16	29	20	18	31	22	24	21	21	23	22
other equipments, facilities	10	9	17	7	5	6	11	7	5	6	8	11	6	7	8	9	7	5	8	3	7	7
temporary buildings,	43	32	46	41	29	32	32	43	30	30	22	31	29	29	29	30	27	23	31	46	38	52

establishments																							
hazards, harmful substances	5	5	3	11	4	1	9	6	2	4	2	2	2	2	1	2	1	3	2	0	1	2	
materials	52	45	41	35	51	39	42	44	47	37	25	21	36	20	20	27	17	26	30	29	34	20	
load	14	14	23	11	16	24	18	21	22	18	9	10	10	4	11	12	11	13	9	21	9	5	
natural environment	5	2	3	-	2	2	2	3	2	1	1	3	8	3	2	7	3	4	6	4	4	6	
other causal agent	6	9	4	3	1	5	6	1	2	7	2	0	0	5	1	0	1	0	3	2	2	11	
no causal agent	6	19	9	6	7	7	7	10	11	8	7	9	7	10	8	10	17	10	9	11	13	13	
unclassifiable	1	0	0	1	3	1	0	2	0	0	1	1	0	0	1	2	1	0	0	1	0	0	
total	354	350	351	312	327	317	291	304	329	279	196	203	228	200	205	231	215	219	222	246	248	233	

Causal agents (small) of industrial accidents in other transport equipment products in 1999-2020

Causal (S) 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		1		0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0
power transmission mechanism			2		2		3	2	4	1	2	3	1	3	0	1	3	1	1	1	2	1
circular sawing machine			1		2		2	1	1	0	0	0	0	1	0	4	0	2	1	1	1	1
band sawing machine			1		0		1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
wood planer machine			1		2		0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
hollow chisel mortiser, wood borer			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
chamfering machine, router, woodworking milling machine			0		1		0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
chain saw			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other woodworking machines			1		2		0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0
leveling, transporting or loading machine			1		0		0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	1
excavating machine			0		0		0	0	1	0	1	0	1	0	1	0	0	1	0	0	1	2

equipment																						
arc welding equipment			3	1		2	1	3	0	1	2	1	1	3	2	0	3	1	3	1	1	
other welding equipment			2	2		2	0	3	2	3	0	2	2	2	1	2	2	2	2	2	2	
kiln, caldron			1	2		0	3	0	2	0	0	0	3	1	0	1	1	0	0	1	0	
industrial dryer			0	0		0	1	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	1	0	0	
transmission			0	0		0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	
electric power facilities			0	0		0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	
other electrical equipment			1	0		0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	0	
human power cranes			1	0		0	0	0	0	0	1	2	0	0	0	1	0	0	0	1	2	
human power hauling equipment			6	7		10	11	10	9	6	6	3	6	10	4	6	7	14	4	5	4	
human power machine			0	1		1	1	1	0	0	0	0	0	0	0	1	1	0	0	1	0	
hand tool			9	12		4	14	14	6	4	4	4	5	2	7	5	5	8	11	6	8	
ladder			6	9		11	9	10	18	12	4	14	6	8	9	11	10	11	7	8	13	
slinging tool			5	5		1	3	3	7	3	2	5	6	5	7	2	2	1	8	5	3	
other tools			13	13		6	8	6	6	10	10	10	8	5	15	9	12	9	6	10	6	
other equipment, facilities			17	5		11	7	5	6	8	11	6	7	8	9	7	5	8	3	7	7	
scaffolding			1	0		1	0	2	1	3	0	1	0	2	0	0	0	1	0	0	3	
timbering			0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
stairs, landing stage			11	1		2	5	7	6	3	7	6	12	9	7	7	6	3	10	8	9	
opening			1	2		0	0	0	1	0	1	0	0	0	0	1	0	0	0	1	0	
roof, beam, haze, crossbeam, principal rafter			3	0		0	0	0	1	1	2	0	0	0	0	0	0	1	0	0	1	
working platform, boot board			4	6		4	8	3	7	7	5	5	3	1	3	4	7	6	6	5	5	
passage			13	11		17	17	12	10	5	10	15	10	11	14	11	10	15	19	17	18	
building, establishment			6	4		6	4	4	2	2	2	1	1	4	3	3	0	2	10	3	6	

19 years old or less	8	15	13	11	12	8	4	15	10	5	8	4	12	3	4	6	6	8	4	5	3	2
20-29	78	56	79	69	67	53	59	53	74	53	30	41	40	38	30	32	48	29	39	41	36	32
30-39	58	60	66	69	73	82	61	79	80	62	46	52	61	47	52	52	44	48	43	53	45	39
40-49	67	76	67	56	62	75	54	58	58	60	38	50	53	51	44	74	49	55	55	60	64	57
50-59	107	109	87	80	87	73	68	64	67	55	45	31	39	38	43	42	34	39	43	46	49	54
60 years old or more	36	34	39	27	26	26	45	35	40	44	29	25	23	23	32	25	34	40	38	41	51	49
total	354	350	351	312	327	317	291	304	329	279	196	203	228	200	205	231	215	219	222	246	248	233

Workers' number of workplace of industrial accidents in other transport equipment products 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	73	84	88	57	76	82	77	68	61	41	47	38	44	33	35	35	37	40	32	41	53	36
10-29	94	84	104	95	74	75	61	72	73	56	46	46	36	48	41	45	44	39	50	44	51	52
30-49	54	52	37	41	49	38	38	35	37	29	23	26	32	20	39	27	32	29	23	31	32	35
50-99	41	47	41	41	41	39	28	35	46	40	19	23	27	26	18	34	17	29	30	29	24	29
100-299	53	30	40	42	43	45	39	55	70	66	44	49	43	39	46	45	49	47	45	47	49	38
300 workers or more	39	53	41	36	44	38	48	39	42	47	17	21	46	34	26	45	36	35	42	54	39	43
total	354	350	351	312	327	317	291	304	329	279	196	203	228	200	205	231	215	219	222	246	248	233

Month of industrial accidents in other transport equipment products 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	24	30	40	32	29	32	28	26	23	18	22	17	16	18	17	19	19	22	18	20	22	19
February	25	25	27	29	28	37	21	27	32	33	19	20	19	16	17	26	17	23	25	22	16	23
March	30	38	37	28	22	18	14	26	32	30	17	14	22	21	20	18	19	20	14	17	14	24
April	29	19	28	17	26	27	25	13	28	24	19	14	14	18	17	14	20	13	23	21	14	28
May	28	19	24	19	24	23	31	25	30	22	15	18	10	20	12	17	17	15	18	27	17	18
June	31	40	28	31	25	25	28	21	20	20	15	23	30	18	14	16	27	22	15	19	21	16
July	43	38	39	28	30	32	28	26	33	23	14	21	21	17	20	27	21	19	30	18	28	19
August	26	35	27	23	28	27	24	31	25	26	17	14	17	16	12	18	19	11	16	24	23	13
September	35	33	34	22	40	30	22	28	28	27	11	14	25	16	20	19	10	32	16	20	25	23
October	31	26	23	31	29	25	26	28	31	27	15	19	18	9	22	26	19	19	16	19	22	20
November	28	31	20	28	25	18	25	22	26	16	11	19	19	16	19	14	12	12	17	17	24	12
December	24	16	24	24	21	23	19	31	21	13	21	10	17	15	15	17	15	11	14	22	22	18

total	354	350	351	312	327	317	291	304	329	279	196	203	228	200	205	231	215	219	222	246	248	233
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Prefecture of industrial accidents in other transport equipment products 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	4	2	4		0		1	1	1	1	3	2	1	1	1	3	3	1	0	1	0	4
Aomori	1	2	0		1		1	1	2	0	1	0	0	0	0	0	0	0	0	1	0	1
Iwate	3	1	0		1		2	0	0	0	1	0	0	0	0	1	0	0	0	0	0	1
Miyagi	0	1	3		1		2	1	2	2	2	1	2	0	0	0	2	6	6	1	3	2
Akita	0	1	2		0		0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0
Yamagata	0	1	0		2		1	4	4	6	0	0	0	1	3	0	1	5	2	1	7	0
Fukushima	5	8	4		3		6	7	2	8	1	3	11	3	5	3	4	3	4	4	5	4
Ibaraki	14	8	10		7		14	5	6	12	10	13	13	9	5	9	4	3	5	6	10	8
Tochigi	13	9	8		12		12	10	9	18	11	12	11	4	8	11	10	18	13	7	12	9
Gunma	31	20	15		17		14	23	13	15	5	3	8	5	17	10	10	21	17	16	11	18
Saitama	19	27	18		37		13	18	23	17	8	14	9	6	5	7	9	4	10	15	18	13
Chiba	13	13	9		4		6	10	12	4	12	12	15	7	11	14	10	13	4	10	6	5
Tokyo	11	13	12		14		8	10	12	7	6	3	6	10	7	7	3	6	7	6	10	11
Kanagawa	22	20	17		21		29	27	20	16	17	10	15	10	11	15	14	14	10	13	13	8
Niigata	3	3	1		3		4	4	4	1	2	3	1	3	2	2	1	1	3	4	3	2
Toyama	4	1	6		1		1	3	1	4	0	0	1	2	3	0	0	0	1	1	1	0
Ishikawa	5	1	2		4		0	2	1	3	1	1	2	6	3	2	0	0	1	1	1	3
Fukui	1	1	0		0		1	0	0	0	2	0	1	1	0	0	0	1	0	0	0	1
Yamanashi	0	1	2		1		1	2	1	1	0	1	2	0	2	3	1	1	0	1	0	0
Nagano	4	3	2		2		3	2	8	5	3	4	9	4	5	12	1	6	4	7	12	3
Gifu	14	19	11		21		22	25	26	23	14	7	8	10	13	19	13	9	18	15	11	15
Shizuoka	15	7	10		10		17	17	9	6	6	10	12	10	4	12	10	11	11	13	16	9
Aichi	41	68	69		51		42	35	49	36	23	37	31	31	29	40	35	28	21	36	28	34
Mie	12	7	8		3		1	6	7	4	1	3	1	7	4	1	7	4	1	4	8	5
Shiga	4	5	3		3		4	3	5	4	3	3	5	3	1	6	6	4	4	5	5	8
Kyoto	6	5	10		5		2	3	8	4	2	2	3	4	6	3	3	0	4	4	0	0
Osaka	49	38	60		45		28	27	46	28	15	8	15	22	23	16	22	24	32	20	20	30
Hyogo	15	22	17		20		22	23	21	23	17	24	19	19	15	9	18	10	14	20	20	18
Nara	0	1	3		2		0	0	0	2	1	3	0	2	1	3	2	1	3	2	1	1
Wakayama	2	1	1		0		1	0	1	3	0	0	0	0	0	0	2	0	0	1	0	0
Tottori	0	1	0		0		0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0

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	2	0	0	1	0	0	0	0	2	0	0	0	0	1	0	0	0	0	1	0	0	0
general machine	0	0	0	0	0	0	0	0	0	1	0	1	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	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0
conveying machine	0	1	0	0	1	1	1	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0
vehicle	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
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	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0
other equipments, facilities	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
temporary buildings, establishments	1	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	1	0	0	0
hazards, harmful substances	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
materials	0	0	1	0	1	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	2	1	1	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	1
no causal agent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	6	2	2	2	3	1	1	2	3	1	0	1	3	4	3	1	0	0	3	2	0	1

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	0	2	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	1	1	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	1
no causal agent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	6	2	2	2	3	1	1	2	3	1	0	1	3	4	3	1	0	0	3	2	0	1

Workers age of fatal accidents in other transport equipment products 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	3	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30-39	0	0	0	1	0	1	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0
40-49	0	0	0	0	1	0	1	0	0	0	0	0	1	2	0	0	0	0	1	0	0	1
50-59	1	2	2	1	2	0	0	1	2	0	0	0	1	0	1	0	0	0	1	2	0	0
60 years old or more	2	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	0	0	1	0	0	0
total	6	2	2	2	3	1	1	2	3	1	0	1	3	4	3	1	0	0	3	2	0	1

Workers' number of workplace of fatal accidents in other transport equipment products 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	2	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	1	0	0

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	1	0	0	0	0	0	0	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	6	2	2	2	3	1	1	2	3	1	0	1	3	4	3	1	0	0	3	2	0	1

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

Return to https://www.jisha.or.jp/english/statistics/2020e_industry.html