Fatal and non-fatal accidents in other transport equipment products in Japan in 1999-2021

other transport equipment products industry Code No.011509

Type of accidents in other transport equipment products in 1999-2021

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	2021	total	Type of accidents
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	27	628	fall from height
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	46	710	falling to same
crash	13	29	22	9	20	15	14	17	14	11	9	6	14	2	8	10	19	11	7	12	4	10	16	292	crash
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	16	667	struck by flying or falling object
collapse	5	6	11	7	9	5	6	12	8	7	3	7	7	8	6	10	4	8	7	7	6	2	6	157	collapse
crashed by	12	18	26	21	18	15	10	16	19	22	10	17	14	13	11	15	9	8	9	12	14	9	13	331	crashed by
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	71	1,918	caught in/between
cut	21	29	27	23	26	25	26	16	28	21	13	13	9	12	15	19	12	21	16	18	21	9	14	434	cut
injury to the sole of the foot	1		1	1	1						1	1					2	2			1			11	injury to the sole of the foot
drown													4											4	drown
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	4	147	contact to high/low- temperature

contact to harmful																									contact to
	2	2		3	2		7	4	2	2	2			3		2	1	1	1	1		1		36	harmful
substance																									substance
electric shock		1				1		1									1					2	2	8	electric shock
explosion	2	1					3		1	1					1	1		1					3	14	explosion
burst			1	1		1				1	1					1		1	1		2			10	burst
fire			1	2	1			2		1		1									1	1		10	fire
traffic accident (public	6	1	3	3	5	6	6	6	4	3	3	5		6	2		1	5	1	4	2	1	4	77	traffic accident
road)									4		3									4		ľ	4	,,	(public road)
traffic accident	1	6		1				1	1					1					1					12	traffic accident
(others)								<u> </u>											_					12	(others)
reaction to																									reaction to
motion/improper	19	48	28	17	27	28	26	31	34	26	17	26	17	23	20	25	27	28	29	29	27	27	42	621	motion/improper
motion																									motion
others	1		1	2	1	3		2		2		1			1		1				2	12	33	62	others
unclassifiable					2	1		2								1	1			1			1	9	unclassifiable
total	354	350	351	312	327	317	291	304	329	279	196	203	228	200	205	231	215	219	222	246	248	233	298	6,158	total

Causal agents (large) of fatal and non-fatal accidents in other transport equipment products in 1999-2021

Causal (L) agents	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Causal (L)
eddsur (E) dgerres	.,,,,	2000	2001	2002	2003	2001	2003	2000	2007	2000	2003	2010	2011	2012	2013	2011	2013	2010	2017	2010	2017	2020	2021	I I	agents
machine	123	107	107	110	107	105	86	68	97	75	50	49	56	52	57	64	61	65	49	50	57	53	62	1,710	machine
crane, conveying																									crane,

machine	44	51	49	38	50	52	38	47	60	41	29	37	33	30	31	22	30	27	29	35	39	25	40	877	conveying
machine																									machine
athor aguinment	55	66	66	56	57	49	51	59	56	58	48	40	47	45	44	55	46	48	54	47	51	46	59		other
other equipment	33	00	00	50	57	49	51	39	30	36	40	40	47	43	44	33	40	40	34	47	וכ	40	39	1,203	equipment
to many a many lavel discours																									temporary
temporary buildings, establishments	43	32	46	41	29	32	32	43	30	30	22	31	29	29	29	30	27	23	31	46	38	52	50	795	buildings,
establistifferits																									establishments
substance, material	57	50	44	46	55	40	51	50	49	41	27	23	38	22	21	29	18	29	32	29	35	22	20	828	substance,
substance, material	37	30	44	40	رد	40	וכ	30	43	41	27	23	36	22	21	29	10	29	32	29	33		20	020	material
load	14	14	23	11	16	24	18	21	22	18	9	10	10	4	11	12	11	13	9	21	9	5	12	317	load
environment	5	2	3		2	2	2	3	2	1	1	3	8	3	2	7	3	4	6	4	4	6		73	environment
others	13	28	13	10	11	13	13	13	13	15	10	10	7	15	10	12	19	10	12	14	15	24	55	355	others
total	354	350	351	312	327	317	291	304	329	279	196	203	228	200	205	231	215	219	222	246	248	233	298	6,158	total

Causal agents (middle) of fatal and non-fatal accidents in other transport equipment products in 1999-2021

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	2021	total	Causal (M) agents
engine	2			1	1	1								1			1							7	engine
power transmission mechanism	4	6	2	3	2	2	3	2	4	1	2	3	1	3		1	3	1	1	1	2	1	3	51	power transmission mechanism
woodworking machine	3	2	4	1	7	2	3	1	2		1	1		1		4		4	1	1	1	1	4	44	woodworking machine

construction machine	5	5	4	3	1	4	3	4	3	2	5	1	1		2			1		1	1	3	1	50	construction machine
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	37	1,145	metal manufacturing machine
general machine	26	25	23	27	26	23	11	20	21	19	6	17	18	13	12	17	19	17	18	15	14	9	17	413	general machine
mobile silviculture machine																									mobile silviculture machine
crane	8	15	13	16	11	14	8	14	16	12	9	12	13	8	7	7	7	11	7	8	12	6	12	246	crane
conveying machine	26	28	23	15	33	29	21	25	34	23	14	17	19	17	21	12	19	10	18	19	24	16	18	481	conveying machine
vehicle	10	8	13	7	6	9	9	8	10	6	6	8	1	5	3	3	4	6	4	8	3	3	10	150	vehicle
pressure vessel	2	2	2	1		1	2							1							2			13	pressure vessel
chemical facilities																							1	1	chemical facilities
welding equipment	4	7	5	3	3	4	5	1	7	2	5	2	3	3	5	3	2	5	3	6	5	3	3	89	welding equipment
kiln, caldron	2	1	1	2	2	2		4		2				3	1		1	1		1	1			24	kiln, caldron
electric equipment			1	3		1		1		2						1	1			1			1	12	electric equipment
human power machine,	12	22	16	20	20	11	15	26	25	15	10	11	9	11	12	11	13	13	22	15	13	14	17	353	human power

tools	25	25	24	20	27	24	18	20	19	31	25	16	29	20	18	31	22	24	21	21	23	22	30	535	tools
other equipments,	10	9	17	7	5	6	11	7	5	6	8	11	6	7	8	9	7	5	8	3	7	7	7		other equipments, facilities
temporary buildings, establishments	43	32	46	41	29	32	32	43	30	30	22	31	29	29	29	30	27	23	31	46	38	52	50		temporary buildings, establishments
hazards, harmful substances	5	5	3	11	4	1	9	6	2	4	2	2	2	2	1	2	1	3	2		1	2	4	74	hazards, harmful substances
materials	52	45	41	35	51	39	42	44	47	37	25	21	36	20	20	27	17	26	30	29	34	20	16	754	materials
load	14	14	23	11	16	24	18	21	22	18	9	10	10	4	11	12	11	13	9	21	9	5	12	317	load
natural environment	5	2	3		2	2	2	3	2	1	1	3	8	3	2	7	3	4	6	4	4	6		73	natural environment
other causal agent	6	9	4	3	1	5	6	1	2	7	2			5	1		1		3	2	2	11	33	104	other causal
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	21	235	no causal agent
unclassifiable	1			1	3	1		2			1	1			1	2	1			1			1	16	unclassifiable
total	354	350	351	312	327	317	291	304	329	279	196	203	228	200	205	231	215	219	222	246	248	233	298	6,158	total

Causal agents (small) of fatal and non-fatal accidents in other transport equipment products in 1999-2021

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	2021	total	Causal (S) agents

engine			1								1			1							3	engine
power transmission mechanism		2	2	3	2	4	1	2	3	1	3		1	3	1	1	1	2	1	3	36	power transmission mechanism
circular sawing machine		1	2	2	1	1					1		4		2	1	1	1	1	4	22	circular sawing
band sawing machine		1		1											1						3	band sawing machine
wood planer machine		1	2						1												4	wood planer machine
hollow chisel mortiser, wood borer																						hollow chisel mortiser, wood borer
chamfering machine, router, woodworking milling machine			1					1													2	chamfering machine, router, woodworking milling machine
chain saw																						chain saw
other woodworking machines		1	2			1									1						5	other woodworking machines
leveling, transporting or loading machine		1				2		2											1		6	leveling, transporting or loading machine
excavating machine						1		1		1		1			1			1	2	1	9	excavating machine
foundation work			1	2			2	1													6	foundation work

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hardening machine	1					1				1												3	hardening machine
demolition machine						1																1	demolition machine
vehicle for high lift work						1							1									2	vehicle for high lift work
other construction machines	2			,	1	1			1									1				6	other construction machines
lathe	10	11	1		8	8	8	4	5	3	3	7	5	9	5	8	4	6	6	8	7	125	lathe
drill press, milling machine	11	9			9	6	13	9	4	3	4	3	7	7	5	5	3	4	4	7	5	118	drill press, milling machine
grinding machine, buffing machine	8	3			11	4	6	9	6	6	5	5	2	5	8	8	6	3	9	7	3	114	grinding machine, buffing machine
power press	20	20	0		14	11	16	13	5	3	8	7	10	3	8	7	5	7	5	10	6	178	power press
forging pressure						1	1	1	2		1	1				1						8	forging pressure hammer
shearing machine	1	1			1		2		1	1	2		1	4	2							16	shearing machine
other metal manufacturing machines	24	26	6		23	11	21	17	13	11	13	11	18	14	10	13	11	12	15	7	16		other metal manufacturing machines
centrifugal machine																							centrifugal machine
mixer, grinder								1		1	2			1	1		1					7	mixer, grinder
roll machine (except printingroll machine)	1						1	2		1		1	2	1	3		2						roll machine (except printingroll machine)
injection molding																							injection molding

machine					1							1						1		1	4	machine
food manufacturing					1	1															2	food manufacturing
printing machine											1		1	1							3	printing machine
industrial robot		1	1			1	1		2	1		1	1							1	10	industrial robot
other general power machines		21	25	11	18	18	15	6	13	15	11	8	13	14	17	15	15	13	9	15	272	other general power machines
felling machine																						felling machine
mobile logging machine																						mobile logging
skyline yarding machine																						skyline yarding machine
other mobile silviculture machine																						other mobile silviculture machine
crane		9	7	4	12	15	11	7	8	9	5	5	6	5	9	5	7	7	4	8	143	crane
mobile crane		2	1	3	2			1	2		1	2	1	2		1		1	1	1	21	mobile crane
derrick crane																						derrick crane
elevator, lift		1		1		1			2		1						1	3	1	1	12	elevator, lift
cargo lifting appliance		1																			1	cargo lifting appliance
gondola																						gondola
lumberyard																						lumberyard
equipment, logging																						equipment, logging
cableway																						cableway

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simple skyline yarding equipment																									simple skyline yarding equipment
other powered					3					1	1		4	1				2	1		1		2	16	other powered crane
truck			6		8		6	8	9	4	7	7	4	5	3	2	10	5	5	7	9	4	5	114	truck
forklift			7		17		10	11	14	13	6	8	14	6	11	5	6	4	7	7	13	10	10	179	forklift
railway equipment					2					1														3	railway equipment
conveyor			6		5		3	4	9	4	1	1	1	5	3	4	1	1	4	3	1	2	3	61	conveyor
loader																									loader
straddle carrier								1																1	straddle carrier
rough terrain hauler																									rough terrain hauler
other powered conveying machines			4		1		2	1	2	1		1		1	4	1	2		2	2	1			25	other powered conveying machines
cars, bus,			9		5		6	7	8	4	4	5	1	4	3	1	3	5	3	5	2	2	9	86	cars, bus, motorcycle
railway vehicle																			1				1	2	railway vehicle
other vehicles			4		1		3	1	2	2	2	3		1		2	1	1		3	1	1		28	other vehicles
boiler							1																	1	boiler
pressure vessel																					2			2	pressure vessel
other pressure vessels			2				1							1										4	other pressure vessels
chemical facilities																							1	1	chemical facilities
gas welding							1		1		1									1	2			6	gas welding

equipment																						equipment
arc welding equipment		3	1	2	1	3		1	2	1	1	3	2		3	1	3	1	1	1	30	arc welding equipment
other welding equipment		2	2	2		3	2	3		2	2	2	1	2	2	2	2	2	2	2	35	other welding equipment
kiln, caldron		1	2		3		2				3	1		1	1			1			15	kiln, caldron
industrial dryer					1																1	industrial dryer
other kiln, caldron																	1				1	other kiln, caldron
transmission							1													1	2	transmission
electric power					1		1														2	electric power facilities
other electrical equipment		1											1	1			1				4	other electrical equipment
human power cranes		1							1	2				1				1	2	5	13	human power cranes
human power hauling equipment		6	7	10	11	10	9	6	6	3	6	10	4	6	7	14	4	5	4	6	134	human power hauling equipment
human power machine			1	1	1	1								1	1			1			7	human power machine
hand tool		9	12	4	14	14	6	4	4	4	5	2	7	5	5	8	11	6	8	6	134	hand tool
ladder		6	9	11	9	10	18	12	4	14	6	8	9	11	10	11	7	8	13	12	188	ladder
slinging tool		5	5	1	3	3	7	3	2	5	6	5	7	2	2	1	8	5	3	2	75	slinging tool
other tools		13	13	6	8	6	6	10	10	10	8	5	15	9	12	9	6	10	6	16	178	other tools
other equipment,																						other equipment,

facilities		17	5	11	7	5	6	8	11	6	7	8	9	7	5	8	3	7	7	7	144	facilities
scaffolding		1		1		2	1	3		1		2				1			3		15	scaffolding
timbering																						timbering
stairs, landing stage		11	1	2	5	7	6	3	7	6	12	9	7	7	6	3	10	8	9	7	126	stairs, landing stage
opening		1	2				1		1					1				1			7	opening
roof, beam, haze, crossbeam, principal rafter		3					1	1	2							1			1	1	10	roof, beam, haze, crossbeam, principal rafter
working platform, boot board		4	6	4	8	3	7	7	5	5	3	1	3	4	7	6	6	5	5	5	94	working platform, boot board
passage		13	11	17	17	12	10	5	10	15	10	11	14	11	10	15	19	17	18	29	264	passage
building, establishment		6	4	6	4	4	2	2	2	1	1	4	3	3		2	10	3	6	6	69	building, establishment
other temporary buildings, establishments		7	5	2	9	2	2	1	4	1	3	2	3	1		3	1	4	10	2	62	other temporary buildings, establishments
explosive substance																						explosive substance
inflammable substance		2	1	2	2				1	2		1				1		1		3	16	inflammable substance
inflammable gas			1	1			1								1	1			1	1	7	inflammable gas
harmful substance			1	4	2	1	1				1		2	1					1		14	harmful substance
radiation																						radiation
other hazards,		1	1	2	2	1	2	2	1		1				2						15	other hazards,

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metal material	3	38	47	39	39	43	34	22	19	34	19	20	23	15	25	30	24	34	20	16	541	metal material
lumber, bamboo	1	l		2	3	3	1	2		2			2	1			1				18	lumber, bamboo
stone, sand,																					1	stone, sand,
substance							ľ															substance
other materials	2	2	4	1	2	1	1	1	2		1		2	1	1		4				23	other materials
load	1	16	12	14	17	18	13	8	9	10	4	7	7	9	10	8	16	7	5	9	199	load
machine/equipment		7	4	4	4	4	5	1	1			4	_	2	3	1	5	2		2	55	machine/equipment
as load			4	4	4	4	5					4	5	2	3		5	2		3	33	as load
natural ground,		ı											1								2	natural ground,
rock																					2	rock
standing tree			1		1										1						3	standing tree
water										4								1			5	water
abnormal																						abnormal
environment									1												2	environment
high/cold																						high/cold
temperature	1	1	1		1	2			2	1	3	1	2	1		2	3	2	3		25	temperature
environment																						environment
other environments	1	I		2	1		1	1		3		1	4	2	3	3	1	1	3		27	other environments
other causal agent	4	4	1	6	1	2	7	2			5	1		1		3	2	2	11	33	81	other causal agent
no causal agent	9	•	7	7	10	11	8	7	9	7	10	8	10	17	10	9	11	13	13	21	197	no causal agent
unclassifiable			3		2			1	1			1	2	1			1			1	13	unclassifiable
total	3	351	327	291	304	329	279	196	203	228	200	205	231	215	219	222	246	248	233	298	4,825	total

Age	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Age
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	3	169	19 years old or less
20-29	78	56	79	69	67	53	59	53	74	53	30	41	40	38	30	32	48	29	39	41	36	32	55	1,132	20-29
30-39	58	60	66	69	73	82	61	79	80	62	46	52	61	47	52	52	44	48	43	53	45	39	72	1,344	30-39
40-49	67	76	67	56	62	75	54	58	58	60	38	50	53	51	44	74	49	55	55	60	64	57	56	1,339	40-49
50-59	107	109	87	80	87	73	68	64	67	55	45	31	39	38	43	42	34	39	43	46	49	54	66	1,366	50-59
60 years old or	36	34	39	27	26	26	45	35	40	44	29	25	23	23	32	25	34	40	38	41	51	49	46	808	60 years old or
more						20	73						23			23	J-7								more
total	354	350	351	312	327	317	291	304	329	279	196	203	228	200	205	231	215	219	222	246	248	233	298	6,158	total

Workers' number of workplace of fatal and non-fatal accidents in other transport equipment products in 1999-2021

Workers scale	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Workers scale
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	38	1,216	9 workers or less
10-29	94	84	104	95	74	75	61	72	73	56	46	46	36	48	41	45	44	39	50	44	51	52	53	1,383	10-29
30-49	54	52	37	41	49	38	38	35	37	29	23	26	32	20	39	27	32	29	23	31	32	35	48	807	30-49
50-99	41	47	41	41	41	39	28	35	46	40	19	23	27	26	18	34	17	29	30	29	24	29	34	738	50-99
100-299	53	30	40	42	43	45	39	55	70	66	44	49	43	39	46	45	49	47	45	47	49	38	66	1,090	100-299
300 workers or	39	53	41	36	44	38	48	39	42	47	17	21	46	34	26	45	36	35	42	54	39	43	59	924	300 workers or
more							-0		72				-0				50		72			7.5		724	more
total	354	350	351	312	327	317	291	304	329	279	196	203	228	200	205	231	215	219	222	246	248	233	298	6,158	total

Month	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Month
January	24	30	40	32	29	32	28	26	23	18	22	17	16	18	17	19	19	22	18	20	22	19	17	528	January
February	25	25	27	29	28	37	21	27	32	33	19	20	19	16	17	26	17	23	25	22	16	23	28	555	February
March	30	38	37	28	22	18	14	26	32	30	17	14	22	21	20	18	19	20	14	17	14	24	27	522	March
April	29	19	28	17	26	27	25	13	28	24	19	14	14	18	17	14	20	13	23	21	14	28	38	489	April
May	28	19	24	19	24	23	31	25	30	22	15	18	10	20	12	17	17	15	18	27	17	18	24	473	May
June	31	40	28	31	25	25	28	21	20	20	15	23	30	18	14	16	27	22	15	19	21	16	28	533	June
July	43	38	39	28	30	32	28	26	33	23	14	21	21	17	20	27	21	19	30	18	28	19	23	598	July
August	26	35	27	23	28	27	24	31	25	26	17	14	17	16	12	18	19	11	16	24	23	13	33	505	August
September	35	33	34	22	40	30	22	28	28	27	11	14	25	16	20	19	10	32	16	20	25	23	21	551	September
October	31	26	23	31	29	25	26	28	31	27	15	19	18	9	22	26	19	19	16	19	22	20	21	522	October
November	28	31	20	28	25	18	25	22	26	16	11	19	19	16	19	14	12	12	17	17	24	12	21	452	November
December	24	16	24	24	21	23	19	31	21	13	21	10	17	15	15	17	15	11	14	22	22	18	17	430	December
total	354	350	351	312	327	317	291	304	329	279	196	203	228	200	205	231	215	219	222	246	248	233	298	6,158	total

Prefecture of fatal and non-fatal accidents in other transport equipment products in 1999-2021

Prefecture	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Prefecture
Hokkaido	4	2	4				1	1	1	1	3	2	1	1	1	3	3	1		1		4	1	35	Hokkaido
Aomori	1	2			1		1	1	2		1									1		1	1	12	Aomori
lwate	3	1			1		2				1					1						1	2	12	lwate

Miyagi		1	3	1	2	1	2	2	2	1	2				2	6	6	1	3	2	3	40	Miyagi
Akita		1	2				1											1			1	6	Akita
Yamagata		1		2	1	4	4	6				1	3		1	5	2	1	7		3	41	Yamagata
Fukushima	5	8	4	3	6	7	2	8	1	3	11	3	5	3	4	3	4	4	5	4	4	97	Fukushima
Ibaraki	14	8	10	7	14	5	6	12	10	13	13	9	5	9	4	3	5	6	10	8	8	179	Ibaraki
Tochigi	13	9	8	12	12	10	9	18	11	12	11	4	8	11	10	18	13	7	12	9	8	225	Tochigi
Gunma	31	20	15	17	14	23	13	15	5	3	8	5	17	10	10	21	17	16	11	18	5	294	Gunma
Saitama	19	27	18	37	13	18	23	17	8	14	9	6	5	7	9	4	10	15	18	13	17	307	Saitama
Chiba	13	13	9	4	6	10	12	4	12	12	15	7	11	14	10	13	4	10	6	5	10	200	Chiba
Tokyo	11	13	12	14	8	10	12	7	6	3	6	10	7	7	3	6	7	6	10	11	12	181	Tokyo
Kanagawa	22	20	17	21	29	27	20	16	17	10	15	10	11	15	14	14	10	13	13	8	20	342	Kanagawa
Niigata	3	3	1	3	4	4	4	1	2	3	1	3	2	2	1	1	3	4	3	2	6	56	Niigata
Toyama	4	1	6	1	1	3	1	4			1	2	3				1	1	1			30	Toyama
Ishikawa	5	1	2	4		2	1	3	1	1	2	6	3	2			1	1	1	3	3	42	Ishikawa
Fukui	1	1			1				2		1	1				1				1		9	Fukui
Yamanashi		1	2	1	1	2	1	1		1	2		2	3	1	1		1			1	21	Yamanashi
Nagano	4	3	2	2	3	2	8	5	3	4	9	4	5	12	1	6	4	7	12	3	10	109	Nagano
Gifu	14	19	11	21	22	25	26	23	14	7	8	10	13	19	13	9	18	15	11	15	12	325	Gifu
Shizuoka	15	7	10	10	17	17	9	6	6	10	12	10	4	12	10	11	11	13	16	9	9	224	Shizuoka
Aichi	41	68	69	51	42	35	49	36	23	37	31	31	29	40	35	28	21	36	28	34	55	819	Aichi
Mie	12	7	8	3	1	6	7	4	1	3	1	7	4	1	7	4	1	4	8	5	6	100	Mie
Shiga	4	5	3	3	4	3	5	4	3	3	5	3	1	6	6	4	4	5	5	8	11	95	Shiga
Kyoto	6	5	10	5	2	3	8	4	2	2	3	4	6	3	3		4	4			4	78	Kyoto

Osaka	49	38	60	45	28	27	46	28	15	8	15	22	23	16	22	24	32	20	20	30	29	597	Osaka
Hyogo	15	22	17	20	22	23	21	23	17	24	19	19	15	9	18	10	14	20	20	18	15	381	Hyogo
Nara		1	3	2				2	1	3		2	1	3	2	1	3	2	1	1	2	30	Nara
Wakayama	2	1	1		1		1	3							2			1				12	Wakayama
Tottori		1															1	2				4	Tottori
Shimane			2		1	3	2	4	1	2	5		1	1	3	1			1			27	Shimane
Okayama	4	6	2	5	5	10	7	7	6	5	5	6	4	6	2	1	3	6	5	8	8	111	Okayama
Hiroshima	9	6	5	5	7	9	9	6	5	6	5	4	4	7	6	4	4	2	4	5	6	118	Hiroshima
Yamaguchi	8	5	6	3	6	6	3	3	2	3	1	2	2	1	3	6	4	4	6		7	81	Yamaguchi
Tokushima	3	1	4	1	2	1		1	2	1	2		1	1	2	2	2	2	1	1	1	31	Tokushima
Kagawa	2	3	3	3	1			2	2		2	3	1	1		2	1	2	1			29	Kagawa
Ehime	2			1			2									1	3				1	10	Ehime
Kochi	1		2	1	1													3			1	9	Kochi
Fukuoka	7	8	5	11	4	3	1	1	2	3		1	3	1		2	3	4	1	2	4	66	Fukuoka
Saga	1	5	1	1	2							1	2			2	2					17	Saga
Nagasaki	3	1	2		1	1	5			1	2	1		1	1		1			1		21	Nagasaki
Kumamoto	3	1	6	2	1	2	3	1	4	1	4	1	1	4	4	4	3	5	7	1	3	61	Kumamoto
Oita		3	5	1	1				1			1										12	Oita
Miyazaki			1	1	1		1		2				1		2				1	2	8	20	Miyazaki
Kagoshima		1		1			2	1	1	2			1		1							10	Kagoshima
Okinawa									1		1										1	3	Okinawa
total	354	350	351	327	291	304	329	279	196	203	228	200	205	231	215	219	222	246	248	233	298	5,529	total

Fatal and non-fatal accidents mean fatal and non-fatal injuries and occupational diseases with work absence of 4 days and more. Data of 2011 year include fatal and non-fatal accidents caused by Great East Japan Earthquake in 2011.

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

Return to https://www.jisha.or.jp/english/statistics/2021e_industry.html

Fatal accidents in other transport equipment products in Japan in 1999-2021

other transport equipment products industry Code No.011509

Type of fatal accidents in other transport equipment products in 1999-2021

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	2021	total	Type of accidents
fall from height	2	1	1	1											1				1					7	fall from height
falling to same level									1							1								2	falling to same level
crash																			1					1	crash
struck by flying or falling object	2		1					1	1				1	1									1	8	struck by flying or falling object
collapse					1															1				2	collapse
crashed by				1															1					2	crashed by
caught in/between	1				1	1	1		1	1		1			1								1	9	caught in/between
cut																									cut

		_							=	=	=	_	_	_	=	=	=	=	=	=	=	_	_		
injury to the sole of																									injury to the sole
the foot																									of the foot
drown													2											2	drown
contact to high/low- temperature															1									1	contact to high/low- temperature
contact to harmful substance														1										1	contact to harmful substance
electric shock																									electric shock
explosion																									explosion
burst																									burst
fire					1			1																2	fire
traffic accident (public road)	1													2						1				4	traffic accident (public road)
traffic accident (others)		1																						1	traffic accident (others)
reaction to motion/improper motion																									reaction to motion/improper motion
others																						1		1	others
unclassifiable																									unclassifiable
total	6	2	2	2	3	1	1	2	3	1		1	3	4	3	1			3	2		1	2	43	total

Causal (L) agents	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Causal (L) agents
machine	4			1					2	1		1		1					1					11	machine
crane, conveying machine	1	2			1	1	1	1						2	1				1	1			1	13	crane, conveying machine
other equipment				1									1			1				1				4	other equipment
temporary buildings, establishments	1		1						1						1				1					5	temporary buildings, establishments
substance, material			1		2			1																4	substance, material
load																							1	1	load
environment													2	1	1									4	environment
others																						1		1	others
total	6	2	2	2	3	1	1	2	3	1		1	3	4	3	1			3	2		1	2	43	total

Causal agents (middle) of fatal accidents in other transport equipment products in 1999-2021

Causal (M) agents	1000	2000	2001	2002	2003	2004	2005	2006	2007	2008	2000	2010	2011	2012	2013	2014	2015	2016	2017	2018	2010	2020	2021	total	Causal (M)
ausai (M) ageilts	1999	2000	2001	2002	2003	2004	2003	2000	2007	2008	2009	2010	2011	2012	2013	2014	2013	2010	2017	2010	2019	2020	2021	totai	agents

engine	2																	2	engine
power transmission mechanism																			power transmission mechanism
woodworking machine																			woodworking machine
construction machine																			construction machine
metal manufacturing machine	2		1					2			1			1				7	metal manufacturing machine
general machine									1	1								2	general machine
mobile silviculture machine																			mobile silviculture machine
crane							1					1					1	3	crane
conveying machine		1		1	1	1					1			1	1			7	conveying machine
vehicle	1	1									1							3	vehicle
pressure vessel																			pressure vessel
chemical facilities																			chemical facilities
welding equipment																			welding equipment

	_						1	<u> </u>		<u> </u>					ـــــا				<u> </u>		 	<u> </u>		
kiln, caldron																								kiln, caldron
electric equipment																								electric
erective equipment																								equipment
human power machine,																								human power
tools																								machine, tools
tools				1												1				1			3	tools
other equipments,																								other
facilities													1										1	equipments,
																								facilities
temporary buildings,																								temporary
establishments	1		1						1						1				1				5	buildings,
																								establishments
hazards, harmful																								hazards,
substances					1			1															2	harmful
Substances																								substances
materials			1		1																		2	materials
load																						1	1	load
														1	1								4	natural
natural environment													2	I	ľ								4	environment
ath an assessed a mont																					1		1	other causal
other causal agent																							I	agent
no causal agent																								no causal
lio Causai agent																								agent
unclassifiable																								unclassifiable
ı i	==	===	===	-		===		:		===	=	=	===			=	=	=		=	 ===			

total	6	2	2	2	3	1	1	2	3	1		1	3	4	3	1			3	2		1	2	43	total	
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Causal agents (small) of fatal accidents in other transport equipment products in 1999-2021

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	2021	total	Causal (S) agents
engine	2																							2	engine
power transmission																									power transmission
mechanism																									mechanism
circular sawing																									circular sawing
machine																									machine
band sawing																									band sawing
machine																									machine
wood planer																									wood planer
machine																									machine
hollow chisel																									hollow chisel
mortiser, wood																									mortiser, wood
borer																									borer
chamfering																									chamfering
machine, router,																									machine, router,
woodworking																									woodworking
milling machine																									milling machine
chain saw																									chain saw
other woodworking																									other woodworking
machines																									machines

leveling,																leveling,
transporting or																transporting or
loading machine																loading machine
excavating machine																excavating machine
foundation work																foundation work
machine																machine
hardening machine																hardening machine
demolition machine																demolition machine
vehicle for high lift																vehicle for high lift
work																work
other construction																other construction
machines																machines
lathe	1		1						1			1			4	lathe
drill press, milling	1														1	drill press, milling
machine	1														ı	machine
grinding machine,																grinding machine,
buffing machine																buffing machine
power press																power press
forging pressure						1									1	forging pressure
hammer						1									1	hammer
shearing machine																shearing machine
other metal																other metal
manufacturing						1									1	manufacturing
machines																machines

centrifugal machine														centrifugal machine
mixer, grinder														mixer, grinder
roll machine (except														roll machine (except printingroll
machine)														machine)
injection molding														injection molding machine
food manufacturing														food manufacturing machine
printing machine														printing machine
industrial robot						1							1	industrial robot
other general power machines					1								1	other general power machines
felling machine														felling machine
mobile logging														mobile logging machine
skyline yarding machine														skyline yarding machine
other mobile silviculture machine														other mobile silviculture machine
crane														crane
mobile crane				1				1					2	mobile crane
derrick crane														derrick crane
elevator, lift												1	1	elevator, lift
													11	

cargo lifting																	cargo lifting
appliance																	appliance
gondola																	gondola
lumberyard																	lumberyard
equipment, logging																	equipment, logging
cableway																	cableway
simple skyline																	simple skyline
yarding equipment																	yarding equipment
other powered																	other powered
crane																	crane
truck										1				1		2	truck
forklift		1		1	1								1			4	forklift
railway equipment																	railway equipment
conveyor																	conveyor
loader																	loader
straddle carrier																	straddle carrier
rough terrain hauler																	rough terrain hauler
other powered																	other powered
conveying machines																ľ	conveying machines
cars, bus,	1									1							cars, bus,
motorcycle	I 									1 						2	motorcycle
railway vehicle																	railway vehicle
other vehicles		1														1	other vehicles
boiler																	boiler

		 	 	 ==	 ==	 							
pressure vessel													pressure vessel
other pressure													other pressure
vessels													vessels
chemical facilities													chemical facilities
gas welding													gas welding
equipment													equipment
arc welding													arc welding
equipment													equipment
other welding													other welding
equipment													equipment
kiln, caldron													kiln, caldron
industrial dryer													industrial dryer
other kiln, caldron													other kiln, caldron
transmission													transmission
electric power													electric power
facilities													facilities
other electrical													other electrical
equipment													equipment
human power													human power
cranes													cranes
human power													human power
hauling equipment													hauling equipment
human power													human power
machine													machine

hand tool																	hand tool
ladder			1													1	ladder
slinging tool											1			1		2	slinging tool
other tools																	other tools
other equipment,									1							1	other equipment,
scaffolding										1						1	scaffolding
timbering																	timbering
stairs, landing stage		1														1	stairs, landing stage
opening																	opening
roof, beam, haze, crossbeam, principal rafter													1			1	roof, beam, haze, crossbeam, principal rafter
working platform, boot board	1						1									2	working platform, boot board
passage																	passage
building, establishment																	building, establishment
other temporary buildings, establishments																	other temporary buildings, establishments
explosive substance																	explosive substance
inflammable substance				1		1										2	inflammable substance

inflammable gas																inflammable gas
harmful substance																harmful substance
radiation																radiation
other hazards,																other hazards,
harmful substances																harmful substances
metal material		1	1												2	metal material
lumber, bamboo																lumber, bamboo
stone, sand,																stone, sand,
substance																substance
other materials																other materials
load																load
machine/equipment														1	1	machine/equipment
as load														I		as load
natural ground,																natural ground,
rock																rock
standing tree																standing tree
water							2								2	water
abnormal																abnormal
environment																environment
high/cold																high/cold
temperature								1	1						2	temperature
environment																environment
other environments																other environments
other causal agent													1		1	other causal agent

no causal agent																						no causal agent
unclassifiable																						unclassifiable
total	6	2	2	2	3	1	1	2	3	1	1	3	4	3	1		3	2	1	2	43	total

Workers age of fatal accidents in other transport equipment products in 1999-2021

Age	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Age
19 years old or less																									19 years old or less
20-29	3							1																4	20-29
30-39				1		1						1	1	1	1								1	7	30-39
40-49					1		1						1	2					1			1		7	40-49
50-59	1	2	2	1	2			1	2				1		1				1	2			1	17	50-59
60 years old or	2								1	1				1	1	1			1					8	60 years old or
more									•	•				•	•	•			•					-	more
total	6	2	2	2	3	1	1	2	3	1		1	3	4	3	1			3	2		1	2	43	total

Workers' number of workplace of fatal accidents in other transport equipment products in 1999-2021

Workers scale	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Workers scale
9 workers or less	2								1				1							1				5	9 workers or less
10-29	1	1				1							1	2	1					1		1		9	10-29
30-49					1			2						1					1					5	30-49
50-99			1						1						1				2				1	6	50-99
					\Box							\Box					\Box								

100-299			1	2			1		1	1		1		1	1						9	100-299
300 workers or	3	1			2						1		1							1	9	300 workers or
more																				•		more
total	6	2	2	2	3	1	1	2	3	1	1	3	4	3	1		3	2	1	2	43	total

Month of fatal accidents in other transport equipment products in 1999-2021

Month	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Month
January				1																				1	January
February	1	1	1																				1	4	February
March									1				2									1		4	March
April								1																1	April
May	2													1					2					5	May
June			1	1										1										3	June
July	2								1						1								1	5	July
August							1	1	1					1	1									5	August
September						1									1									2	September
October										1										1				2	October
November	1	1			1							1	1						1	1				7	November
December					2									1		1								4	December
total	6	2	2	2	3	1	1	2	3	1		1	3	4	3	1			3	2		1	2	43	total

Prefecture	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Prefecture
Hokkaido																						1		1	Hokkaido
Aomori																									Aomori
lwate																									lwate
Miyagi													1											1	Miyagi
Akita																									Akita
Yamagata										1					1									2	Yamagata
Fukushima													1											1	Fukushim
lbaraki	1																						1	2	Ibaraki
Tochigi	1						1							1										3	Tochigi
Gunma																									Gunma
Saitama																			1					1	Saitama
Chiba			1					1							1					1				4	Chiba
Tokyo		1												2										3	Tokyo
Kanagawa					1																			1	Kanagawa
Niigata																									Niigata
Toyama																									Toyama
Ishikawa													1											1	Ishikawa
Fukui																									Fukui
Yamanashi																									Yamanasl
Nagano																			1					1	Nagano
Gifu	1																						1	2	Gifu

Shizuoka													1					1	Shizuoka
Aichi		1	1	2				1		1		1				1		8	Aichi
Mie	1										1							2	Mie
Shiga																			Shiga
Kyoto					1													1	Kyoto
Osaka								1										1	Osaka
Hyogo						1												1	Hyogo
Nara																			Nara
Wakayama																			Wakayama
Tottori																			Tottori
Shimane																			Shimane
Okayama															1			1	Okayama
Hiroshima	2																	2	Hiroshima
Yamaguchi								1										1	Yamaguchi
Tokushima																			Tokushima
Kagawa																			Kagawa
Ehime																			Ehime
Kochi																			Kochi
Fukuoka					1													1	Fukuoka
Saga																			Saga
Nagasaki																			Nagasaki
Kumamoto																			Kumamoto
Oita																			Oita

Miyazaki								1													1	Miyazaki
Kagoshima																						Kagoshima
Okinawa																						Okinawa
total	6	2	2	2	3	1	1	2	3	1	1	3	4	3	1		3	2	1	2	43	total

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

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