

Fatal and non-fatal accidents in airline service in Japan in 1999-2021

airline service industry Code No.040103

Type of accidents in airline service 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	10	10	12	21	12	9	11	21	12	6	8	10	9	12	9	12	13	9	14	19	6	5	9	259	fall from height	
falling to same level	15	24	16	17	21	15	20	15	14	11	18	14	11	22	20	22	23	29	23	28	25	12	16	431	falling to same level	
crash	14	21	37	7	7	15	14	10	23	12	7	14	5	2	22	13	9	26	20	17	23	5	14	337	crash	
struck by flying or falling object	2	1	10	11	6	8	9	5	7	3	3	2	3	12	3	10	8	5	5	11	9	1	4	138	struck by flying or falling object	
collapse	3			2	2	1	3	1	2	1	1	1	1			2	3	2		1	1			27	collapse	
crashed by	14	21	9	10	10	10	3	8	7	12	1	18	10	7	5	48	48	7	10	13	13	3	9	296	crashed by	
caught in/between	11	8	9	9	5	10	8	11	17	5	5	8	8	7	11	7	10	7	14	11	20	5	6	212	caught in/between	
cut	2	3	1	3	3	6	2	2	3	1			1			2	1	1	3	2	1	3	2	42	cut	
injury to the sole of the foot						1		1																2	injury to the sole of the foot	
drown																										drown
contact to high/low-temperature	4	3	1	3	3	8	2	1	5	6		3	2	6	4	4	6	4	17	6	7			95	contact to high/low-temperature	

engine																					1							1	engine	
power transmission mechanism																														power transmission mechanism
circular sawing machine																														circular sawing machine
band sawing machine																														band sawing machine
wood planer machine																														wood planer machine
hollow chisel mortiser, wood borer																														hollow chisel mortiser, wood borer
chamfering machine, router, woodworking milling machine																														chamfering machine, router, woodworking milling machine
chain saw																														chain saw
other woodworking machines																														other woodworking machines
leveling, transporting or loading machine																														leveling, transporting or loading machine
excavating machine																														excavating machine
foundation work machine																														foundation work machine

machine																								machine	
food manufacturing machine														1	1									2	food manufacturing machine
printing machine																									printing machine
industrial robot																									industrial robot
other general power machines							1	1								1								3	other general power machines
felling machine																									felling machine
mobile logging machine																									mobile logging machine
skyline yarding machine																									skyline yarding machine
other mobile silviculture machine																									other mobile silviculture machine
crane																									crane
mobile crane																									mobile crane
derrick crane																									derrick crane
elevator, lift												1	1				1							3	elevator, lift
cargo lifting appliance																									cargo lifting appliance
gondola																									gondola
lumberyard equipment, logging cableway																									lumberyard equipment, logging cableway

facilities			9		8		1	3	10	8	11	5	1	15	5	6	6	8	16	15	8	1	6	142	facilities
scaffolding					1				1	1						1								4	scaffolding
timbering																									timbering
stairs, landing stage			3		6		4	10	3	7	7	7	1	4	6	8	8	8	9	3	3	4	3	104	stairs, landing stage
opening					2																			2	opening
roof, beam, haze, crossbeam, principal rafter																									roof, beam, haze, crossbeam, principal rafter
working platform, boot board			1		1		1	2			2	1		2	3	1	3	1	7	1	5	1		32	working platform, boot board
passage			3		6		9	9	11	5	3	5	1	8	11	14	6	11	7	11	7	2	9	138	passage
building, establishment			1				3	1	3		1	3		2		2	4	3	3	1	1	1	3	32	building, establishment
other temporary buildings, establishments			2		3		1	3	3	1	1	1	2	3	1	5	3	8	4	3	23	11	2	80	other temporary buildings, establishments
explosive substance																									explosive substance
inflammable substance																									inflammable substance
inflammable gas																									inflammable gas
harmful substance																									harmful substance
radiation																									radiation
other hazards, harmful substances							1	1	4	2			1						3	1				13	other hazards, harmful substances

metal material								1	1			1	2				1						6	metal material	
lumber, bamboo																									lumber, bamboo
stone, sand, substance															1								1	stone, sand, substance	
other materials			2		1			2					3		1	1	1		1	1	1	1	15	other materials	
load			13		10		16	15	27	15	5	13	18	21	17	24	17	19	40	23	22	14	10	339	load
machine/equipment as load								2						1				1	1			1		6	machine/equipment as load
natural ground, rock			1		1		1	2					2		1			1		1	1		1	12	natural ground, rock
standing tree			1				1						1			1								4	standing tree
water								1																1	water
abnormal environment			1				1	9	11	1	1	1	6	14	16	6	10	21	22	21	1		1	143	abnormal environment
high/cold temperature environment													1				2	1	3		2			9	high/cold temperature environment
other environments			6		7		6	1	15	11	2		2	2		3		6	4		8	2		75	other environments
other causal agent			8		13		10	7	2	4	11	11	5	2	8	10	2	9	5	7	1		19	134	other causal agent
no causal agent			17		24		20	7	5	14	6	5	4	9	17	17	9	12	17	14	12	16	5	230	no causal agent
unclassifiable			8		7		8	1	2			1		6	2				1		1			37	unclassifiable
total			163		181		235	205	285	184	154	159	116	202	161	211	194	226	246	251	213	91	113	3,590	total

Workers age of fatal and non-fatal accidents in airline service 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		2	1	1				1			1					2	1		3			1		13	19 years old or less
20-29	62	74	64	82	79	81	82	68	70	52	38	51	25	50	50	66	71	91	98	116	97	33	59	1,559	20-29
30-39	28	36	44	78	56	99	91	84	126	76	55	58	64	82	61	59	50	55	63	51	47	22	24	1,409	30-39
40-49	21	28	36	40	27	41	32	22	53	34	37	32	18	50	34	59	43	44	39	49	40	15	10	804	40-49
50-59	13	16	17	18	18	27	29	26	34	21	21	14	9	16	15	22	23	32	35	24	22	16	16	484	50-59
60 years old or more		2	1	3	1		1	4	2	1	2	4		4	1	3	6	4	8	11	7	4	4	73	60 years old or more
total	124	158	163	222	181	248	235	205	285	184	154	159	116	202	161	211	194	226	246	251	213	91	113	4,342	total

Workers' number of workplace of fatal and non-fatal accidents in airline service 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	4	1	2	3	12	6	2	5	4	1		5	2	4	1	5	2	4	10	5	3	2	2	85	9 workers or less
10-29	2	3	5	11	1	5	4	4	2	3	4	5	5	3	2	4	3		3	3	2	1	5	80	10-29
30-49	1		5	3	1	4	2	3	2	1	1	1	4	1	3	1	7	7	8	1	2		3	61	30-49
50-99	7	8	1	8	4	5	5	5	6	1	6	7	7	6		3	6	7	11	9	9	1	2	124	50-99
100-299	18	21	25	25	29	28	17	17	28	13	18	16	9	15	10	16	11	12	20	10	16	6	13	393	100-299
300 workers or more	92	125	125	172	134	200	205	171	243	165	125	125	89	173	145	182	165	196	194	223	181	81	88	3,599	300 workers or more
total	124	158	163	222	181	248	235	205	285	184	154	159	116	202	161	211	194	226	246	251	213	91	113	4,342	total

Month of fatal and non-fatal accidents in airline service 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	8	11	21	17	16	11	19	18	26	15	16	15	6	17	13	16	18	10	16	20	22	22	11	364	January
February	8	14	12	6	17	14	21	24	25	11	11	12	11	16	15	22	12	19	17	23	15	15	5	345	February
March	11	22	16	17	17	31	16	26	24	5	15	11	14	8	15	17	25	17	22	17	23	10	7	386	March
April	10	7	18	11	17	10	16	14	51	13	11	7	3	16	9	16	12	15	17	22	10	5	9	319	April
May	10	16	14	18	19	23	32	11	20	24	14	17	7	15	13	25	19	26	16	20	25	1	7	392	May
June	12	10	23	5	13	18	31	16	26	15	16	11	15	19	10	9	19	17	11	24	18	2	5	345	June
July	10	8	9	18	14	25	11	12	32	18	13	11	12	22	19	22	16	12	27	26	23	7	14	381	July
August	7	18	16	20	14	24	26	13	25	18	11	13	7	22	20	9	16	24	38	24	17	4	20	406	August
September	11	18	2	18	12	22	13	21	14	8	16	15	11	28	8	27	21	27	26	21	18	5	7	369	September
October	10	13	19	30	17	32	14	23	16	17	10	15	11	14	15	16	16	19	25	15	10	9	9	375	October
November	10	12	7	26	5	20	23	21	15	25	8	13	11	17	12	15	15	22	12	16	14	6	9	334	November
December	17	9	6	36	20	18	13	6	11	15	13	19	8	8	12	17	5	18	19	23	18	5	10	326	December
total	124	158	163	222	181	248	235	205	285	184	154	159	116	202	161	211	194	226	246	251	213	91	113	4,342	total

Prefecture of fatal and non-fatal accidents in airline service 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	3				2		3	1	3	1	4	3	2	8	4	6	6	7	13	9	12	6		93	Hokkaido
Aomori								1									1							2	Aomori
Iwate																						1		1	Iwate

Osaka	13	24	19		18		14	26	56	24	16	12	11	11	6	11	10	13	18	15	21	6	22	366	Osaka
Hyogo												1					1	1		1				4	Hyogo
Nara	1				1		3	2	1			1	1	1		1					1		1	14	Nara
Wakayama												1												1	Wakayama
Tottori							1														1			2	Tottori
Shimane	1																							1	Shimane
Okayama			2				1	4	1	1				1		1			2					13	Okayama
Hiroshima	1														2							1		4	Hiroshima
Yamaguchi														1										1	Yamaguchi
Tokushima																									Tokushima
Kagawa												1	1	1										3	Kagawa
Ehime			1																					1	Ehime
Kochi										1														1	Kochi
Fukuoka	8	3	2		10		5	3	4	4	3	7	4	7	3	6	4	3	8	7	12	2	7	112	Fukuoka
Saga							1							1			3		2		1			8	Saga
Nagasaki			1								1		1		1							1		5	Nagasaki
Kumamoto	1				1																			2	Kumamoto
Oita	1								1															2	Oita
Miyazaki		1			2		3	1		1					1					1	1			11	Miyazaki
Kagoshima	1	5	2		3		2	5	3		2	3	1	1	6	1	3	3	7	7	3	4	3	65	Kagoshima
Okinawa	2	3	1				2	3	14	13	16	9	9	4	4	6	6	8	5	6	1	4	1	117	Okinawa
total	124	158	163		181		235	205	285	184	154	159	116	202	161	211	194	226	246	251	213	91	113	3,872	total

injury to the sole of the foot																								injury to the sole of the foot
drown																								drown
contact to high/low-temperature																								contact to high/low-temperature
contact to harmful substance																								contact to harmful substance
electric shock																								electric shock
explosion																								explosion
burst																								burst
fire																								fire
traffic accident (public road)	1																						1	traffic accident (public road)
traffic accident (others)	1	2	5	1	2	8			5	2		5	1			2		5	2				41	traffic accident (others)
reaction to motion/improper motion																								reaction to motion/improper motion
others	1																						1	others
unclassifiable																								unclassifiable
total	4	3	5	2	4	8			5	2		5	1			3	1	6	2				51	total

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

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

no causal agent	1																							1	no causal agent
unclassifiable																									unclassifiable
total	4	3	5	2	4	8			5	2		5	1				3	1	6	2				51	total

Workers age of fatal accidents in airline service 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	1					1													2						4	20-29
30-39			3	1		3						2							1						10	30-39
40-49	1	2		1	2	2			2	1		2	1				1							15	40-49	
50-59	2		2		2	2			1	1		1					2	1	2	1				17	50-59	
60 years old or more		1							2										1	1				5	60 years old or more	
total	4	3	5	2	4	8			5	2		5	1				3	1	6	2				51	total	

Workers' number of workplace of fatal accidents in airline service 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			1		2	2			2	2									1	2				12	9 workers or less
10-29	1				1	4			2										1					9	10-29
30-49				1		2			1								2							6	30-49
50-99		1	1									3	1						3					9	50-99

100-299		2		1	1							1											6	100-299	
300 workers or more	3		3									1						1	1					9	300 workers or more
total	4	3	5	2	4	8			5	2		5	1				3	1	6	2			51	total	

Month of fatal accidents in airline service 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						2																		2	January
February																	1							1	February
March	1	1	1		2	2											2							9	March
April					1				1															2	April
May	1		3																					4	May
June						1			1										1					3	June
July	1			2						2		3						1						9	July
August			1																	2				3	August
September		2										2												4	September
October	1				1				1				1											4	October
November									2										4					6	November
December						3													1					4	December
total	4	3	5	2	4	8			5	2		5	1				3	1	6	2				51	total

Prefecture of fatal accidents in airline service in 1999-2021

Miyazaki																											Miyazaki	
Kagoshima																		1									1	Kagoshima
Okinawa																												Okinawa
total	4	3	5	2	4	8			5	2		5	1				3	1	6	2						51	total	

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