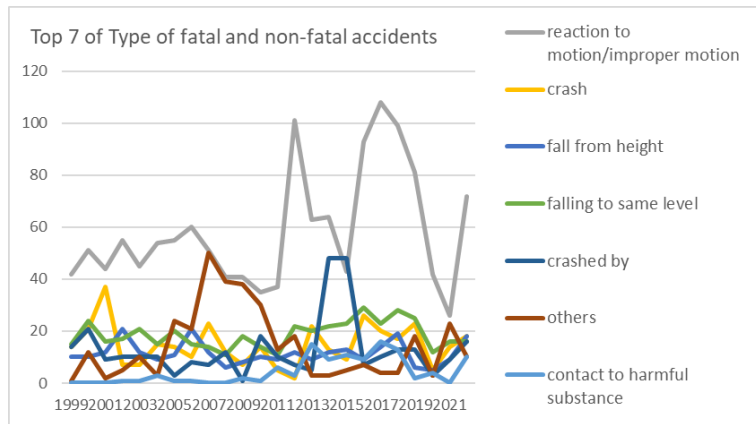
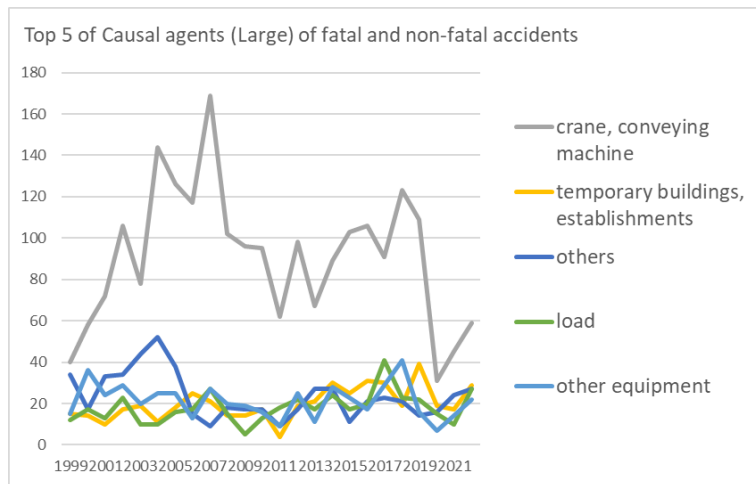


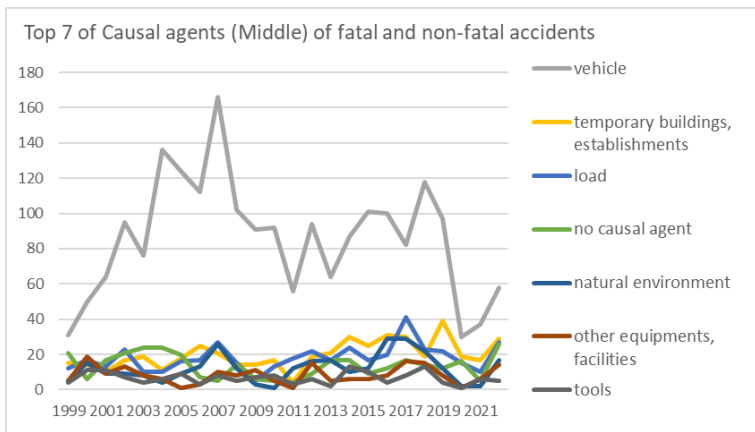
Transition of fatal and non-fatal accidents in 040103 airline service in Japan (1999-2022)



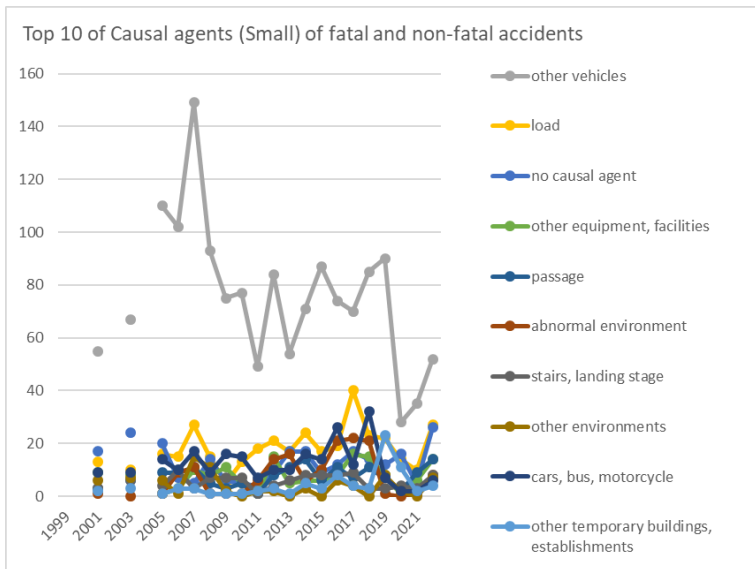
Transition of Top 7 of Type of fatal and non-fatal accidents in 040103 airline service in Japan (1999-2022)



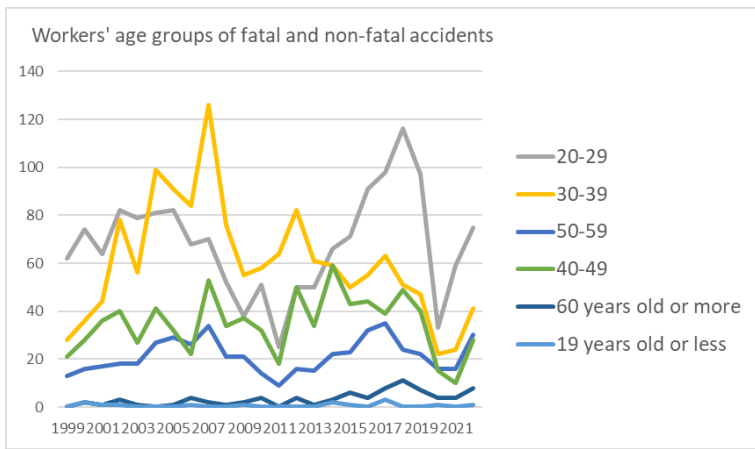
Transition of Top 5 of Causal agents (Large) of fatal and non-fatal accidents in 040103 airline service in Japan (1999-2022)



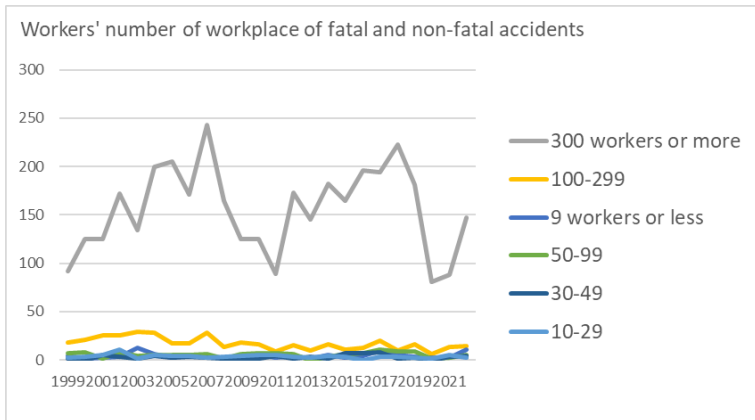
Transition of Top 7 of Causal agents (Middle) of fatal and non-fatal accidents in 040103 airline service in Japan (1999-2022)



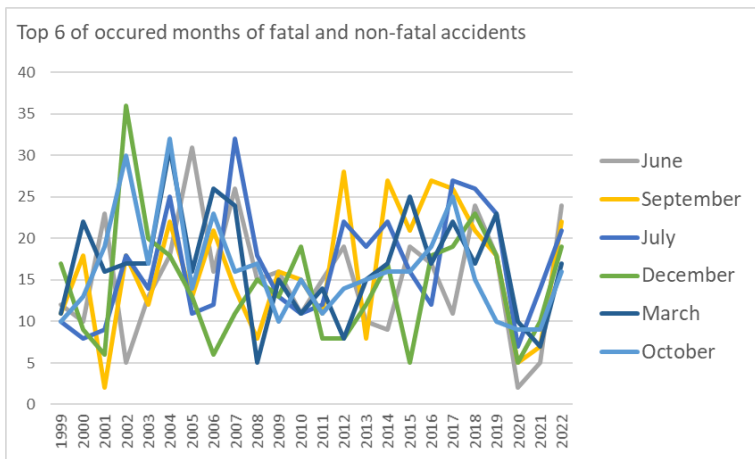
Transition of Top 10 of Causal agents (Small) of fatal and non-fatal accidents in 040103 airline service in Japan (1999-2022)



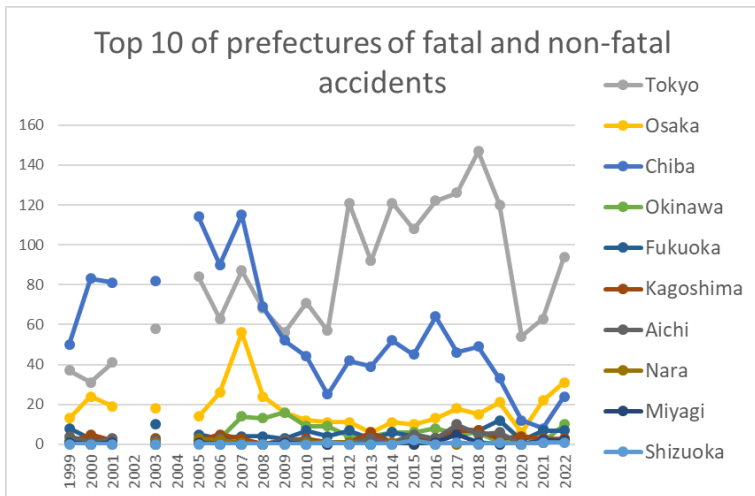
Transition of workers' age groups of fatal and non-fatal accidents in 040103 airline service in Japan (1999-2022)



Transition of workers' number of workplace of fatal and non-fatal accidents in 040103 airline service in Japan (1999-2022)



Transition of Top 6 of occurred months of fatal and non-fatal accidents in 040103 airline service in Japan (1999-2022)



Transition of Top 10 of prefectures of fatal and non-fatal accidents in 040103 airline service in Japan (1999-2022)

Transition of Type of fatal and non-fatal accidents in 040103 airline service in Japan (1999-2022)

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	2022	total	Type of accidents
reaction to motion/improper motion	42	51	44	55	45	54	55	60	51	41	41	35	37	101	63	64	43	93	108	99	81	42	26	72	1,403	reaction to motion/improper motion

crash	14	21	37	7	7	15	14	10	23	12	7	14	5	2	22	13	9	26	20	17	23	5	14	18	355	crash
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	18	277	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	16	447	falling to same level
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	16	312	crashed by
others	1	12	2	5	10	3	24	21	50	39	38	30	13	18	3	3	5	7	4	4	18	3	23	10	346	others
contact to harmful substance				1	1	3	1	1			2	1	6	3	15	9	11	9	16	13	2	4		10	108	contact to harmful substance
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	9	221	caught in/between
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	7	145	struck by flying or falling object
traffic accident (others)	1	3	7	52	35	61	58	39	78	40	16	15	2			7	3	1	5	3	1	6	1	3	437	traffic accident (others)
traffic accident (public road)	4	1	8	5	5	14	12	8	14	7	13	8	8	8	6	8	11	25	7	24	5	2		3	206	traffic accident (public road)
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			1	96	contact to high/low-temperature
unclassifiable			7	20	16	29	13	1	2					4				1			1		3		97	unclassifiable
cut	2	3	1	3	3	6	2	2	3	1			1			2	1	1	3	2	1	3	2		42	cut
collapse	3			2	2	1	3	1	2	1	1	1	1			2	3	2		1	1				27	collapse
injury to the sole of the foot						1		1																	2	injury to the sole of the foot

electric shock	1					1																						2	electric shock
burst				1								1																2	burst
drown																													drown
explosion																													explosion
fire																													fire
total	124	158	163	222	181	248	235	205	285	184	154	159	116	202	161	211	194	226	246	251	213	91	113	183	4,525		total		

Transition of Causal agents (Large) of fatal and non-fatal accidents in 040103 airline service in Japan (1999-2022)

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	2022	total	Causal (L) agents
crane, conveying machine	40	58	72	106	78	144	126	117	169	102	96	95	62	98	67	89	103	106	91	123	109	31	45	59	2,186	crane, conveying machine
temporary buildings, establishments	15	14	10	17	19	11	18	25	21	14	14	17	4	19	21	30	25	31	30	19	39	19	17	29	478	temporary buildings, establishments
others	34	17	33	34	44	52	38	15	9	18	17	17	9	17	27	27	11	21	23	21	14	16	24	27	565	others
load	12	17	13	23	10	10	16	17	27	15	5	13	18	22	17	24	17	20	41	23	22	15	10	27	434	load
other equipment	15	36	24	29	20	25	25	13	27	20	19	16	9	25	11	28	23	17	29	41	16	7	14	22	511	other equipment
environment	5	15	9	9	8	4	9	13	26	12	3	1	12	16	17	10	12	29	29	22	12	2	2	17	294	environment
substance, material	3	1	2	3	1	1	1	3	5	3			2	5		2	1	2	3	2	1	1	1	1	44	substance, material
machine				1	1	1	2	2	1						1	1	2							1	13	machine
total	124	158	163	222	181	248	235	205	285	184	154	159	116	202	161	211	194	226	246	251	213	91	113	183	4,525	total

Transition of Causal agents (Middle) of fatal and non-fatal accidents in 040103 airline service in Japan (1999-2022)

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	2022	total	Causal (M) agents
vehicle	31	50	64	95	76	136	124	112	166	102	91	92	56	94	64	87	101	100	82	118	97	30	37	58	2,063	vehicle
temporary buildings, establishments	15	14	10	17	19	11	18	25	21	14	14	17	4	19	21	30	25	31	30	19	39	19	17	29	478	temporary buildings, establishments
load	12	17	13	23	10	10	16	17	27	15	5	13	18	22	17	24	17	20	41	23	22	15	10	27	434	load
no causal agent	21	6	17	21	24	24	20	7	5	14	6	5	4	9	17	17	9	12	17	14	12	16	5	26	328	no causal agent
natural environment	5	15	9	9	8	4	9	13	26	12	3	1	12	16	17	10	12	29	29	22	12	2	2	17	294	natural environment
other equipments, facilities	5	19	9	13	8	6	1	3	10	8	11	5	1	15	5	6	6	8	16	15	8	1	6	14	199	other equipments, facilities
tools	4	11	11	7	4	6	9	3	8	5	7	8	3	6	2	13	10	4	8	13	4	1	6	5	158	tools
human power machine, tools	6	6	4	8	8	12	15	7	9	7	1	3	4	3	3	8	5	5	4	12	4	4	2	3	143	human power machine, tools
conveying machine	7	8	8	11	2	8	2	5	3		5	3	5	3	3	2	2	5	9	5	12	1	8	1	118	conveying machine
unclassifiable	1	4	8	7	7	3	8	1	2			1		6	2				1		1			1	53	unclassifiable
hazards, harmful substances	1			1			1	1	4	2			1						3	1				1	16	hazards, harmful substances

construction machine					1	1	1	1	1															1	6	construction machine
other causal agent	12	7	8	6	13	25	10	7	2	4	11	11	5	2	8	10	2	9	5	7	1		19		184	other causal agent
materials	2	1	2	2	1	1		2	1	1			1	5		2	1	2		1	1	1	1		28	materials
general machine							1	1							1	1	1								5	general machine
crane	2												1	1				1							5	crane
kiln, caldron															1	1	2		1						5	kiln, caldron
electric equipment				1									1						1		1				4	electric equipment
engine																	1								1	engine
metal manufacturing machine				1																					1	metal manufacturing machine
pressure vessel						1																			1	pressure vessel
welding equipment													1												1	welding equipment
power transmission mechanism																										power transmission mechanism
woodworking machine																										woodworking machine
mobile silviculture machine																										mobile silviculture machine

																																						machine
chemical facilities																																					chemical facilities	
total	124	158	163	222	181	248	235	205	285	184	154	159	116	202	161	211	194	226	246	251	213	91	113	183	4,525	total												

Transition of Causal agents (Small) of fatal and non-fatal accidents in 040103 airline service in Japan (1999-2022)

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	2022	total	Causal (S) agents
other vehicles			55		67		110	102	149	93	75	77	49	84	54	71	87	74	70	85	90	28	35	52	1,507	other vehicles
load			13		10		16	15	27	15	5	13	18	21	17	24	17	19	40	23	22	14	10	27	366	load
no causal agent			17		24		20	7	5	14	6	5	4	9	17	17	9	12	17	14	12	16	5	26	256	no causal agent
other equipment, facilities			9		8		1	3	10	8	11	5	1	15	5	6	6	8	16	15	8	1	6	14	156	other equipment, facilities
passage			3		6		9	9	11	5	3	5	1	8	11	14	6	11	7	11	7	2	9	14	152	passage
abnormal environment			1				1	9	11	1	1	1	6	14	16	6	10	21	22	21	1		1	8	151	abnormal environment
stairs, landing stage			3		6		4	10	3	7	7	7	1	4	6	8	8	8	9	3	3	4	3	8	112	stairs, landing stage
other environments			6		7		6	1	15	11	2		2	2		3		6	4		8	2		7	82	other environments
cars, bus, motorcycle			9		9		14	10	17	9	16	15	7	10	10	16	14	26	12	32	7	2	2	6	243	cars, bus, motorcycle
other temporary buildings, establishments			2		3		1	3	3	1	1	1	2	3	1	5	3	8	4	3	23	11	2	4	84	other temporary buildings, establishments
human power hauling equipment			1		6		13	7	9	7	1	3	4	2	3	8	5	5	4	12	4	3	2	3	102	human power hauling equipment
ladder			4		3		3		2	4	2	2		4	1	4	1		4	7	2		3	3	49	ladder

machine/equipment as load							2						1				1	1			1			6	machine/equipment as load	
kiln, caldron														1	1	2									4	kiln, caldron
scaffolding				1				1	1						1										4	scaffolding
standing tree			1				1					1		1											4	standing tree
other general power machines							1	1							1										3	other general power machines
elevator, lift												1	1				1								3	elevator, lift
loader																1		1	1						3	loader
human power machine			1		1		1																		3	human power machine
food manufacturing machine														1	1										2	food manufacturing machine
other electrical equipment																		1		1					2	other electrical equipment
opening					2																				2	opening
engine															1										1	engine
other construction machines							1																		1	other construction machines
railway vehicle																			1						1	railway vehicle
gas welding equipment													1												1	gas welding equipment
other kiln, caldron																		1							1	other kiln, caldron
transmission													1												1	transmission
slinging tool										1															1	slinging tool

Month	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total	Month
June	12	10	23	5	13	18	31	16	26	15	16	11	15	19	10	9	19	17	11	24	18	2	5	24	369	June
September	11	18	2	18	12	22	13	21	14	8	16	15	11	28	8	27	21	27	26	21	18	5	7	22	391	September
July	10	8	9	18	14	25	11	12	32	18	13	11	12	22	19	22	16	12	27	26	23	7	14	21	402	July
December	17	9	6	36	20	18	13	6	11	15	13	19	8	8	12	17	5	18	19	23	18	5	10	19	345	December
March	11	22	16	17	17	31	16	26	24	5	15	11	14	8	15	17	25	17	22	17	23	10	7	17	403	March
October	10	13	19	30	17	32	14	23	16	17	10	15	11	14	15	16	16	19	25	15	10	9	9	16	391	October
April	10	7	18	11	17	10	16	14	51	13	11	7	3	16	9	16	12	15	17	22	10	5	9	16	335	April
November	10	12	7	26	5	20	23	21	15	25	8	13	11	17	12	15	15	22	12	16	14	6	9	13	347	November
August	7	18	16	20	14	24	26	13	25	18	11	13	7	22	20	9	16	24	38	24	17	4	20	12	418	August
May	10	16	14	18	19	23	32	11	20	24	14	17	7	15	13	25	19	26	16	20	25	1	7	9	401	May
January	8	11	21	17	16	11	19	18	26	15	16	15	6	17	13	16	18	10	16	20	22	22	11	9	373	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	5	350	February
total	124	158	163	222	181	248	235	205	285	184	154	159	116	202	161	211	194	226	246	251	213	91	113	183	4,525	total

Transition of prefectures of fatal and non-fatal accidents in 040103 airline service in Japan (1999-2022)

Prefecture	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total	Prefecture
Tokyo	37	31	41		58		84	63	87	68	56	71	57	121	92	121	108	122	126	147	120	54	63	94	1,821	Tokyo
Osaka	13	24	19		18		14	26	56	24	16	12	11	11	6	11	10	13	18	15	21	6	22	31	397	Osaka
Chiba	50	83	81		82		114	90	115	69	52	44	25	42	39	52	45	64	46	49	33	12	8	24	1,219	Chiba
Okinawa	2	3	1				2	3	14	13	16	9	9	4	4	6	6	8	5	6	1	4	1	10	127	Okinawa
Fukuoka	8	3	2		10		5	3	4	4	3	7	4	7	3	6	4	3	8	7	12	2	7	7	119	Fukuoka
Kagoshima	1	5	2		3		2	5	3		2	3	1	1	6	1	3	3	7	7	3	4	3	3	68	Kagoshima
Aichi	4	1	3		2		1	3			2	2		1	3	1	5	3	10	5	6		2	2	56	Aichi

Gunma																				2					2	Gunma	
Yamanashi												1													1	2	Yamanashi
Gifu			1		1																					2	Gifu
Shiga			1										1													2	Shiga
Tottori							1																		1	2	Tottori
Kumamoto	1				1																					2	Kumamoto
Iwate																										1	Iwate
Kanagawa																1										1	Kanagawa
Wakayama													1													1	Wakayama
Shimane	1																									1	Shimane
Ehime			1																							1	Ehime
Kochi										1																1	Kochi
Fukushima																											Fukushima
Ishikawa																											Ishikawa
Fukui																											Fukui
Kyoto																											Kyoto
Tokushima																											Tokushima
total	124	158	163	222	181	248	235	205	285	184	154	159	116	202	161	211	194	226	246	251	213	91	113	183	4,525	total	

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