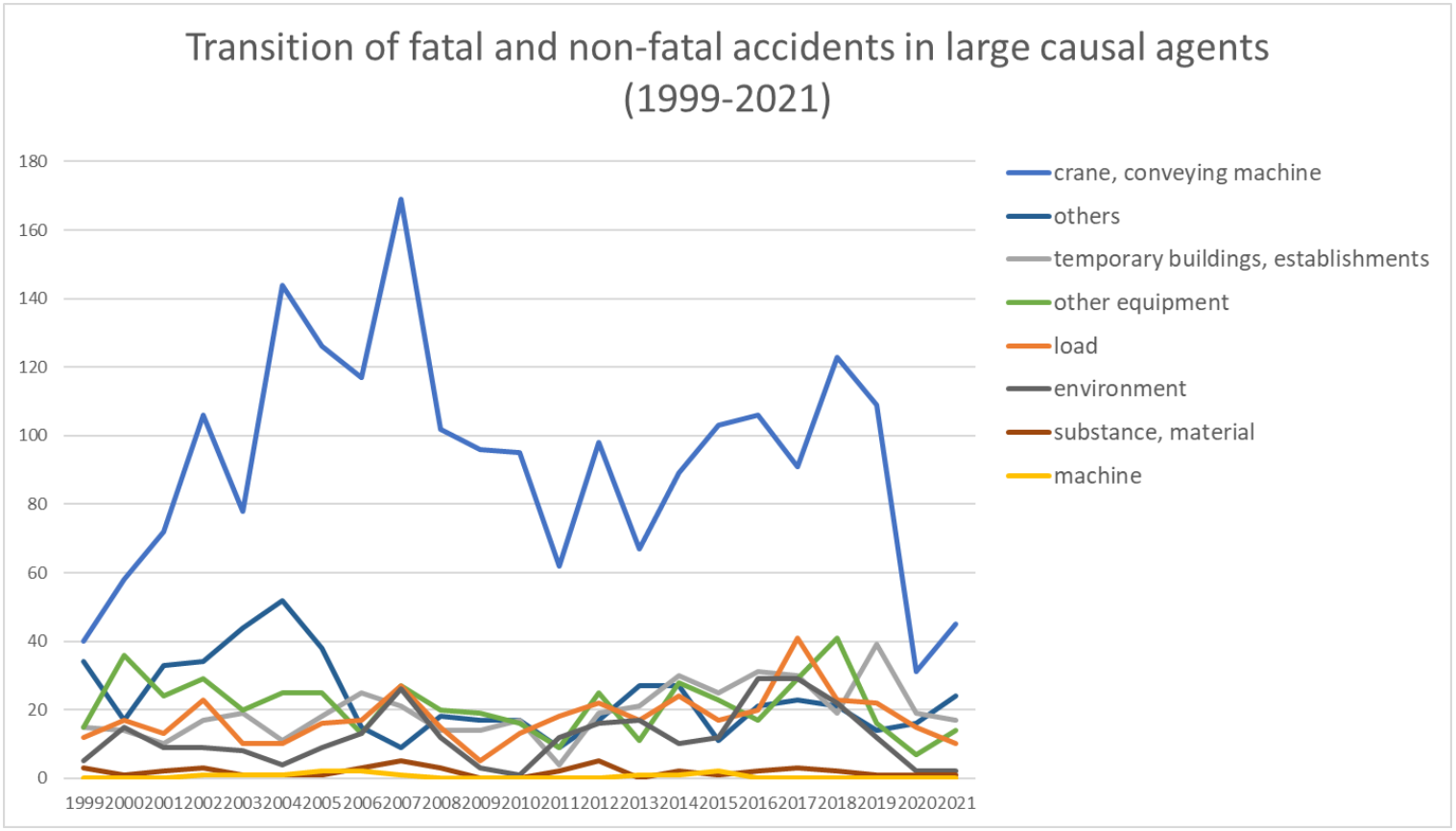
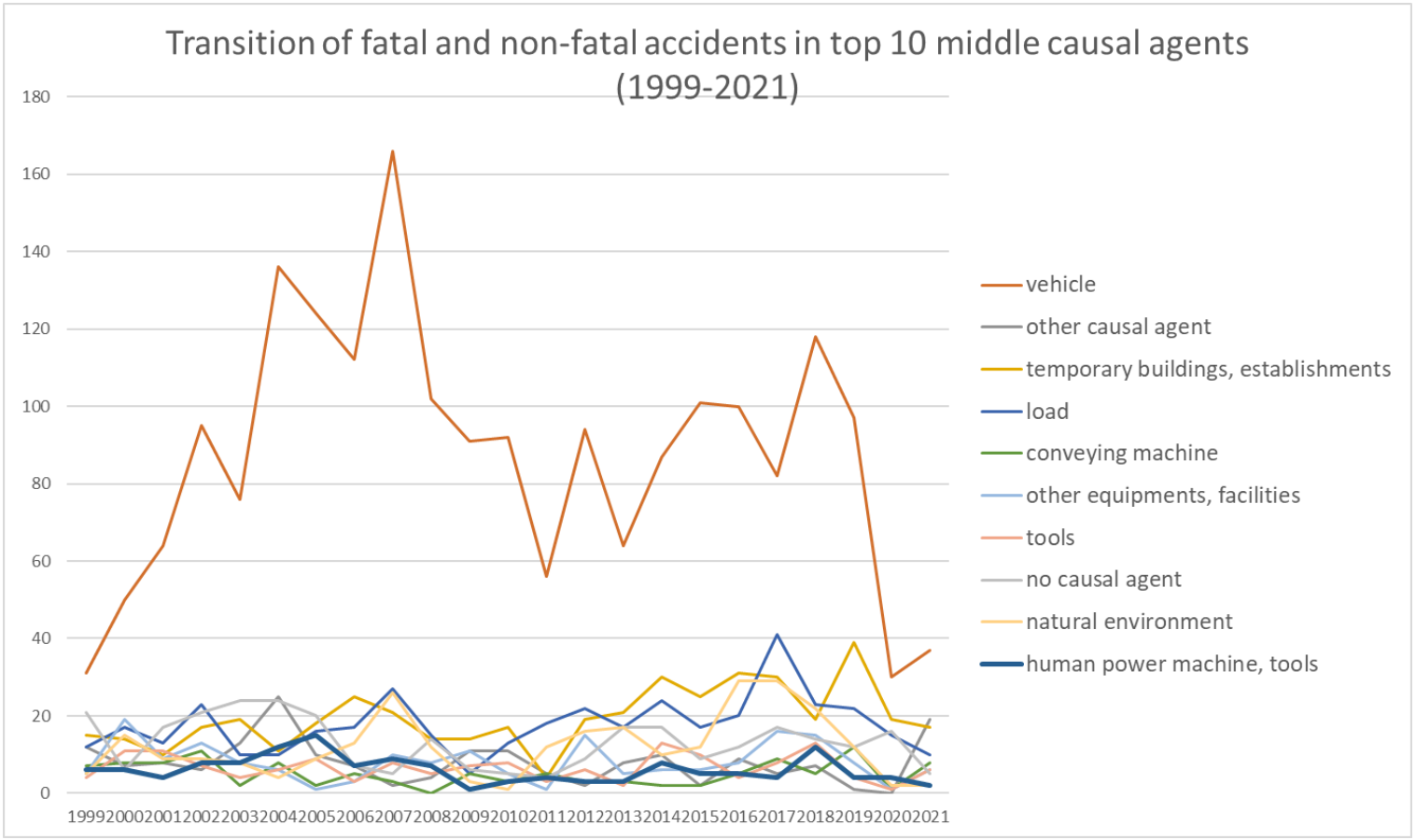
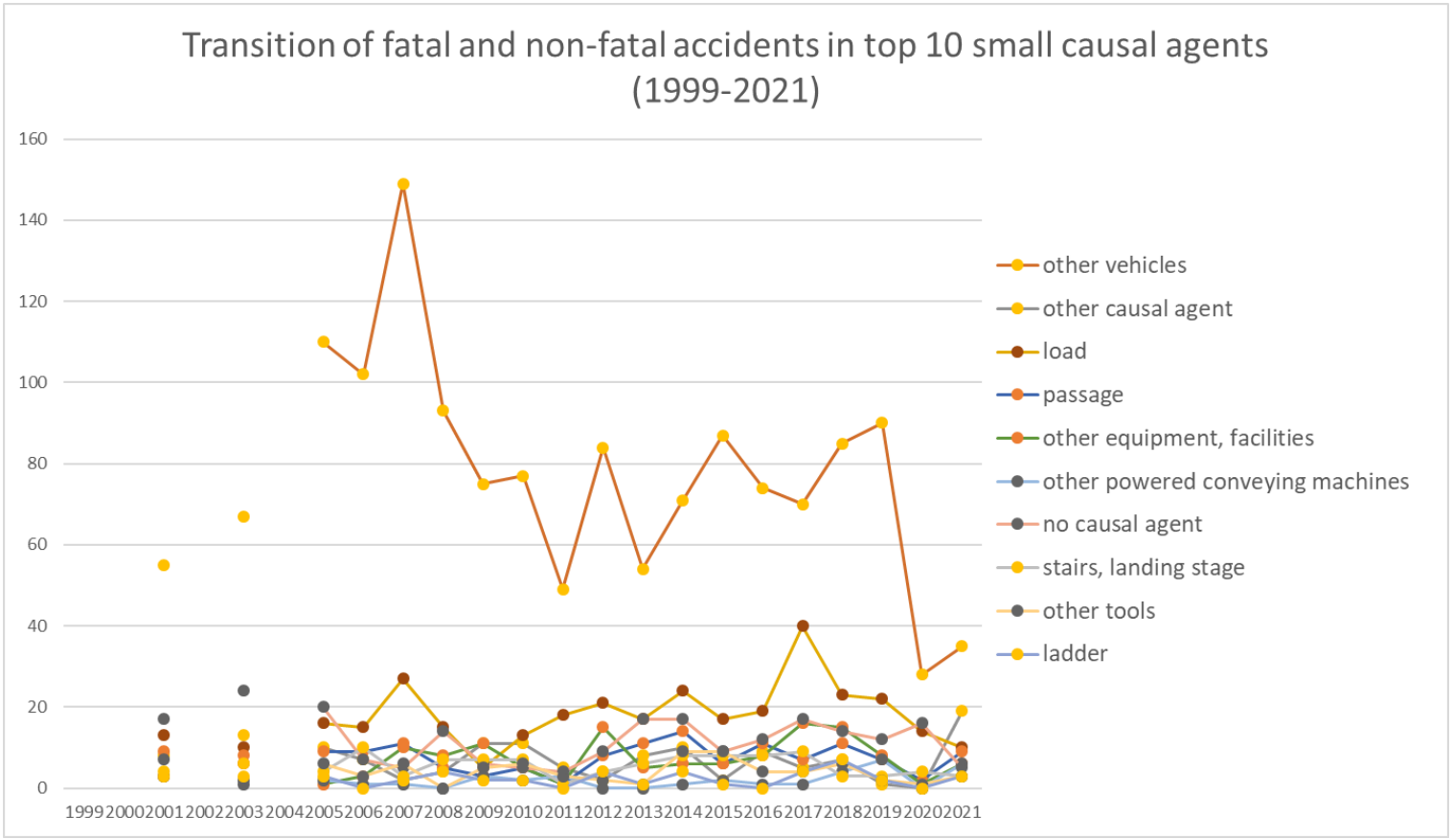
Transition of fatal and non-fatal accidents in each element like as causal agents, type of accidents, etc. in code no. 040103 airline service (1999-2021)



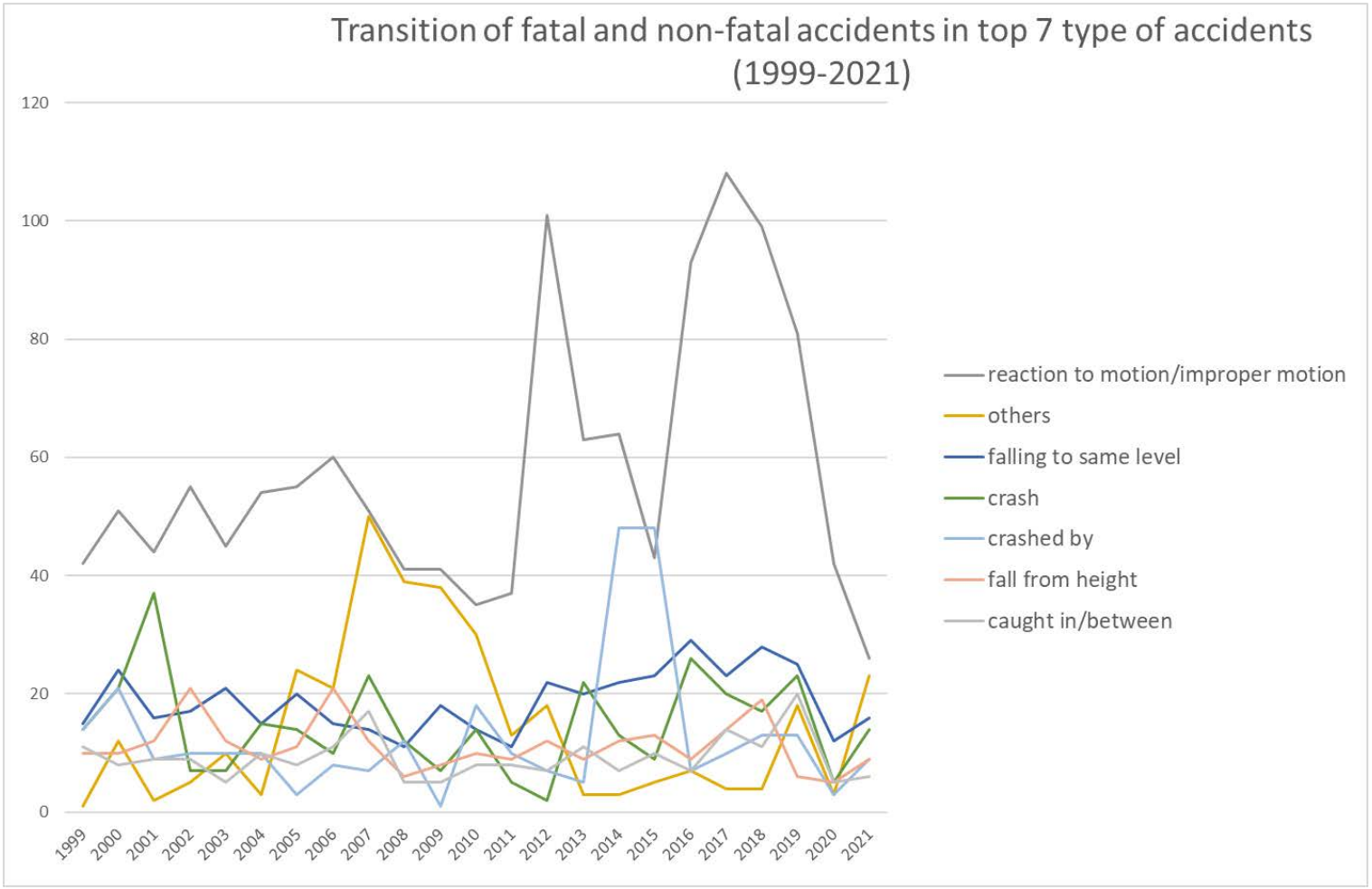
Transition of fatal and non-fatal accidents in large causal agents in code no. 040103 airline service (1999-2021)



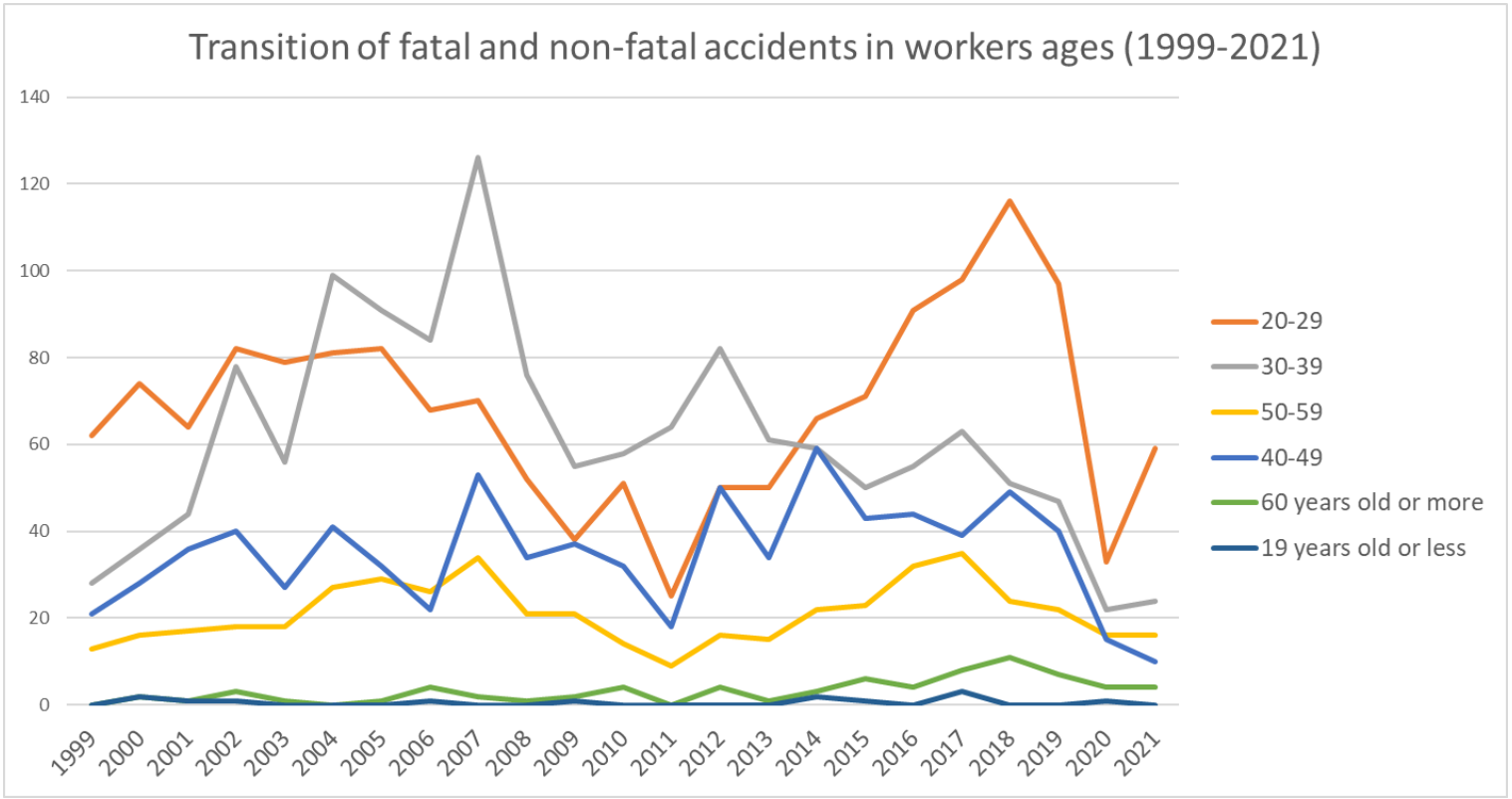
Transition of fatal and non-fatal accidents in middle causal agents in code no. 040103 airline service (1999-2021)



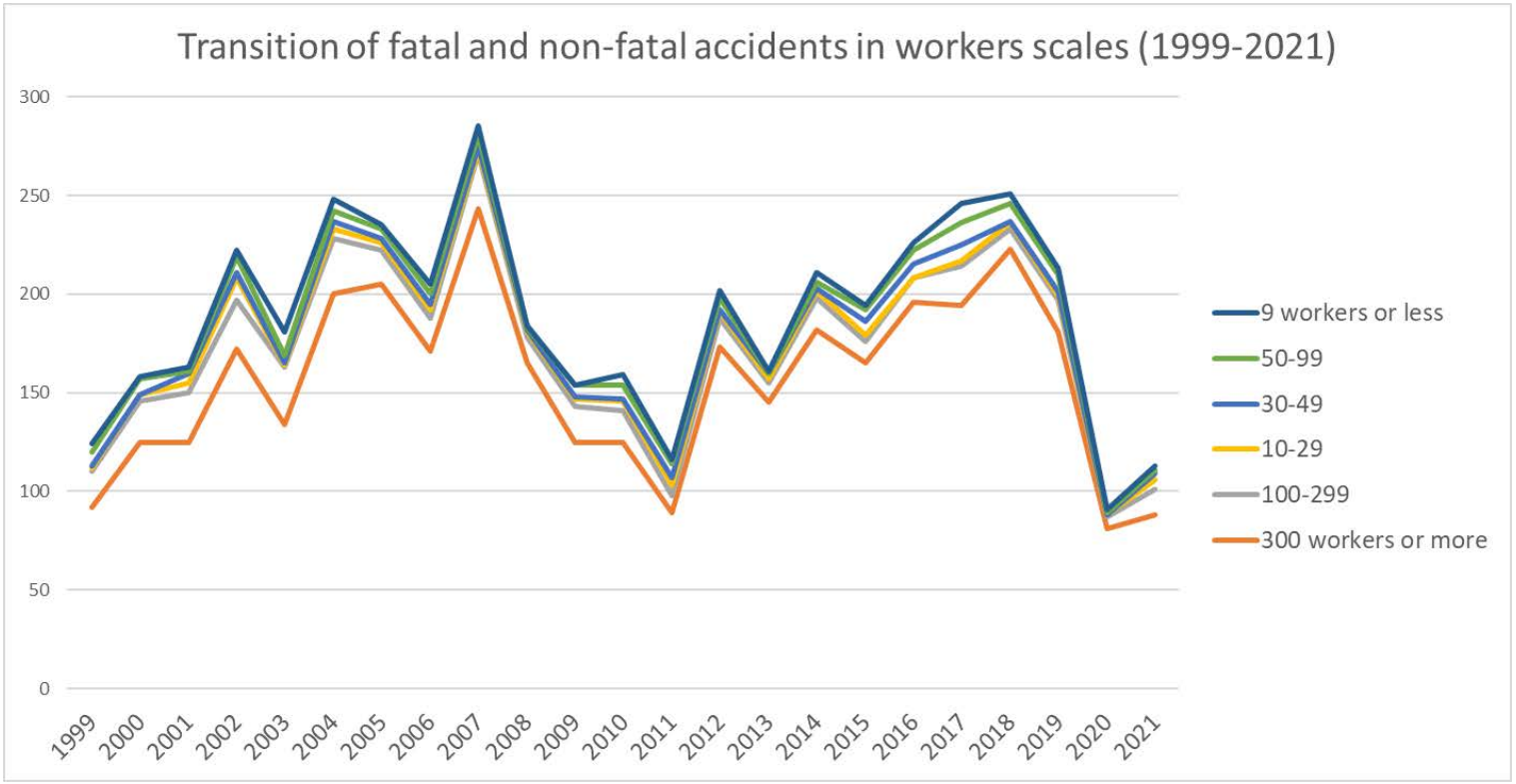
Transition of fatal and non-fatal accidents in small causal agents in code no. 040103 airline service (1999-2021)



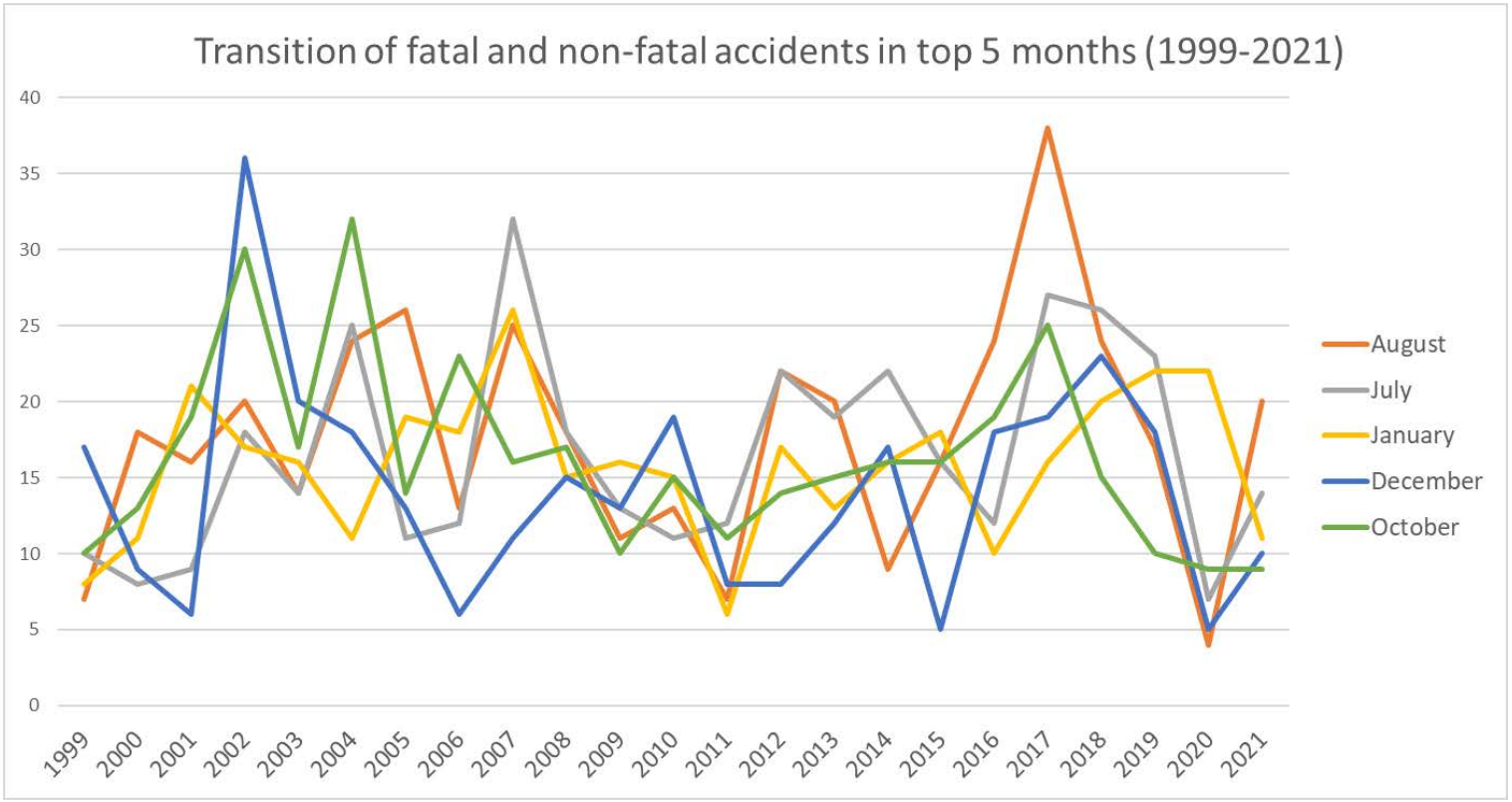
Transition of fatal and non-fatal accidents in type of accidents in code no. 040103 airline service (1999-2021)



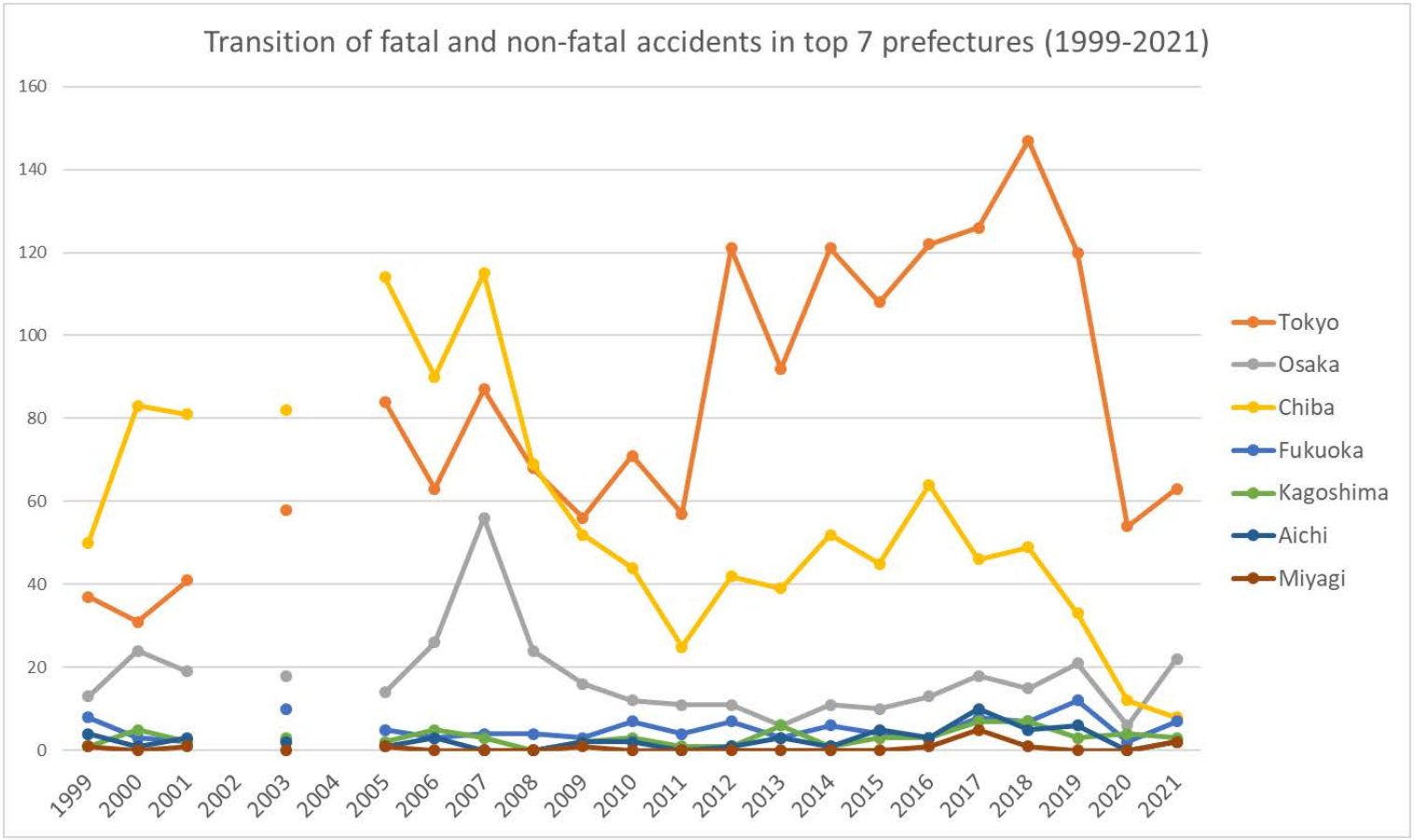
Transition of fatal and non-fatal accidents in workers ages in code no. 040103 airline service (1999-2021)



Transition of fatal and non-fatal accidents in workers scales in code no. 040103 airline service (1999-2021)



Transition of fatal and non-fatal accidents in months in code no. 040103 airline service (1999-2021)



Transition of fatal and non-fatal accidents in prefectures in code no. 040103 airline service (1999-2021)

Transition of fatal and non-fatal accidents in large causal agents in code no. 040103 airline service (1999-2021)

code	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
2	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	2,127	crane, conveying machine
9	others	34	17	33	34	44	52	38	15	9	18	17	17	9	17	27	27	11	21	23	21	14	16	24	538	others
	temporary buildings,																									temporary

4	establishments	15	14	10	17	19	11	18	25	21	14	14	17	4	19	21	30	25	31	30	19	39	19	17	449	buildings, establishments
3	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	489	other equipment
6	load	12	17	13	23	10	10	16	17	27	15	5	13	18	22	17	24	17	20	41	23	22	15	10	407	load
7	environment	5	15	9	9	8	4	9	13	26	12	3	1	12	16	17	10	12	29	29	22	12	2	2	277	environment
5	substance, material	3	1	2	3	1	1	1	3	5	3			2	5		2	1	2	3	2	1	1	1	43	substance, material
1	machine				1	1	1	2	2	1						1	1	2							12	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	4,342	total

Transition of fatal and non-fatal accidents in middle causal agents in code no. 040103 airline service (1999-2021)

code	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
23	vehicle	31	50	64	95	76	136	124	112	166	102	91	92	56	94	64	87	101	100	82	118	97	30	37	2,005	vehicle
91	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
41	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	449	temporary buildings, establishments
61	load	12	17	13	23	10	10	16	17	27	15	5	13	18	22	17	24	17	20	41	23	22	15	10	407	load
22	conveying machine	7	8	8	11	2	8	2	5	3		5	3	5	3	3	2	2	5	9	5	12	1	8	117	conveying machine
39	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	185	other equipments,

																										facilities
37	tools	4	11	11	7	4	6	9	3	8	5	7	8	3	6	2	13	10	4	8	13	4	1	6	153	tools
92	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	302	no causal agent
71	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	277	natural environment
36	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	140	human power machine, tools
52	materials	2	1	2	2	1	1		2	1	1			1	5		2	1	2		1	1	1	1	28	materials
99	unclassifiable	1	4	8	7	7	3	8	1	2			1		6	2				1		1			52	unclassifiable
51	hazards, harmful substances	1			1			1	1	4	2			1						3	1				15	hazards, harmful substances
14	construction machine					1	1	1	1	1															5	construction machine
16	general machine							1	1							1	1	1							5	general machine
21	crane	2												1	1				1						5	crane
34	kiln, caldron															1	1	2		1					5	kiln, caldron
35	electric equipment				1										1						1		1		4	electric equipment
11	engine																	1							1	engine
15	metal manufacturing machine				1																				1	metal manufacturing machine

31	pressure vessel						1																		1	pressure vessel
33	welding equipment													1											1	welding equipment
12	power transmission mechanism																									power transmission mechanism
13	woodworking machine																									woodworking machine
17	mobile silviculture machine																									mobile silviculture machine
32	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	4,342	total

Transition of fatal and non-fatal accidents in small causal agents in code no. 040103 airline service (1999-2021)

code	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
239	other vehicles			55		67		110	102	149	93	75	77	49	84	54	71	87	74	70	85	90	28	35	1,455	other vehicles
911	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
611	load			13		10		16	15	27	15	5	13	18	21	17	24	17	19	40	23	22	14	10	339	load
417	passage			3		6		9	9	11	5	3	5	1	8	11	14	6	11	7	11	7	2	9	138	passage
391	other equipment, facilities			9		8		1	3	10	8	11	5	1	15	5	6	6	8	16	15	8	1	6	142	other equipment, facilities
229	other powered conveying machines			3		2		2	1	1		3	2	3			1	2	1	1	4	7		6	39	other powered conveying machines

921	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
413	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
379	other tools			7		1		6	3	6		5	6	3	2	1	9	9	4	4	6	2	1	3	78	other tools
371	ladder			4		3		3		2	4	2	2		4	1	4	1		4	7	2		3	46	ladder
418	building, establishment			1				3	1	3		1	3		2		2	4	3	3	1	1	1	3	32	building, establishment
231	cars, bus, motorcycle			9		9		14	10	17	9	16	15	7	10	10	16	14	26	12	32	7	2	2	237	cars, bus, motorcycle
362	human power hauling equipment			1		6		13	7	9	7	1	3	4	2	3	8	5	5	4	12	4	3	2	99	human power hauling equipment
419	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
224	conveyor			2					1	1		1			1	2				1		1		2	12	conveyor
714	abnormal environment			1				1	9	11	1	1	1	6	14	16	6	10	21	22	21	1		1	143	abnormal environment
529	other materials			2		1			2						3		1	1	1		1	1	1	1	15	other materials
711	natural ground, rock			1		1		1	2					2		1			1		1	1		1	12	natural ground, rock
719	other environments			6		7		6	1	15	11	2		2	2		3		6	4		8	2		75	other environments
999	unclassifiable			8		7		8	1	2			1		6	2				1		1			37	unclassifiable
416	working platform, boot board			1		1		1	2			2	1		2	3	1	3	1	7	1	5	1		32	working platform, boot board
221	truck			2					3					2	2	1			3	5		3			21	truck
	other hazards,																									other hazards,

519	harmful substances							1	1	4	2			1						3	1				13	harmful substances
715	high/cold temperature environment													1				2	1	3		2			9	high/cold temperature environment
222	forklift			1						1		1	1				1			2			1		8	forklift
364	hand tool			2		1		1							1								1		6	hand tool
521	metal material									1	1			1	2				1						6	metal material
612	machine/equipment as load								2						1				1	1			1		6	machine/equipment as load
341	kiln, caldron															1	1	2							4	kiln, caldron
411	scaffolding					1				1	1							1							4	scaffolding
712	standing tree			1				1						1			1								4	standing tree
146	vehicle for high lift work					1			1	1															3	vehicle for high lift work
169	other general power machines							1	1									1							3	other general power machines
214	elevator, lift													1	1				1						3	elevator, lift
225	loader																		1		1	1			3	loader
363	human power machine			1		1		1																	3	human power machine
165	food manufacturing machine															1	1								2	food manufacturing machine
359	other electrical equipment																				1		1		2	other electrical equipment

414	opening					2																			2	opening
111	engine																	1							1	engine
149	other construction machines							1																	1	other construction machines
232	railway vehicle																					1			1	railway vehicle
331	gas welding equipment												1												1	gas welding equipment
349	other kiln, caldron																			1					1	other kiln, caldron
351	transmission													1											1	transmission
372	slinging tool										1														1	slinging tool
523	stone, sand, substance															1									1	stone, sand, substance
713	water								1																1	water
121	power transmission mechanism																									power transmission mechanism
131	circular sawing machine																									circular sawing machine
132	band sawing machine																									band sawing machine
133	wood planer machine																									wood planer machine
134	hollow chisel mortiser, wood borer																									hollow chisel mortiser, wood borer
	chamfering																									chamfering

135	machine, router, woodworking milling machine																									machine, router, woodworking milling machine
136	chain saw																									chain saw
139	other woodworking machines																									other woodworking machines
141	leveling, transporting or loading machine																									leveling, transporting or loading machine
142	excavating machine																									excavating machine
143	foundation work machine																									foundation work machine
144	hardening machine																									hardening machine
145	demolition machine																									demolition machine
151	lathe																									lathe
152	drill press, milling machine																									drill press, milling machine
153	grinding machine, buffing machine																									grinding machine, buffing machine
154	power press																									power press
155	forging pressure hammer																									forging pressure hammer
156	shearing machine																									shearing machine
159	other metal manufacturing																									other metal manufacturing

	machines																									machines
161	centrifugal machine																									centrifugal machine
162	mixer, grinder																									mixer, grinder
163	roll machine (except printingroll machine)																									roll machine (except printingroll machine)
164	injection molding machine																									injection molding machine
166	printing machine																									printing machine
167	industrial robot																									industrial robot
171	felling machine																									felling machine
172	mobile logging machine																									mobile logging machine
173	skyline yarding machine																									skyline yarding machine
179	other mobile silviculture machine																									other mobile silviculture machine
211	crane																									crane
212	mobile crane																									mobile crane
213	derrick crane																									derrick crane
215	cargo lifting appliance																									cargo lifting appliance
216	gondola																									gondola
217	lumberyard equipment, logging																									lumberyard equipment, logging

	cableway																								cableway
218	simple skyline yarding equipment																								simple skyline yarding equipment
219	other powered crane																								other powered crane
223	railway equipment																								railway equipment
226	straddle carrier																								straddle carrier
227	rough terrain hauler																								rough terrain hauler
311	boiler																								boiler
312	pressure vessel																								pressure vessel
319	other pressure vessels																								other pressure vessels
321	chemical facilities																								chemical facilities
332	arc welding equipment																								arc welding equipment
339	other welding equipment																								other welding equipment
342	industrial dryer																								industrial dryer
352	electric power facilities																								electric power facilities
361	human power cranes																								human power cranes
412	timbering																								timbering
	roof, beam, haze,																								roof, beam, haze,

415	crossbeam, principal rafter																									crossbeam, principal rafter
511	explosive substance																									explosive substance
512	inflammable substance																									inflammable substance
513	inflammable gas																									inflammable gas
514	harmful substance																									harmful substance
515	radiation																									radiation
522	lumber, bamboo																									lumber, bamboo
	total			163		181		235	205	285	184	154	159	116	202	161	211	194	226	246	251	213	91	113	3,590	total

Transition of fatal and non-fatal accidents in type of accidents in code no. 040103 airline service (1999-2021)

code	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
19	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	1,331	reaction to motion/improper motion
90	others	1	12	2	5	10	3	24	21	50	39	38	30	13	18	3	3	5	7	4	4	18	3	23	336	others
02	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
03	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
06	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
01	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
07	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
	struck by flying or																									struck by flying

04	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	or falling object
99	unclassifiable			7	20	16	29	13	1	2					4				1			1		3	97	unclassifiable
08	cut	2	3	1	3	3	6	2	2	3	1			1			2	1	1	3	2	1	3	2	42	cut
18	traffic accident (others)	1	3	7	52	35	61	58	39	78	40	16	15	2			7	3	1	5	3	1	6	1	434	traffic accident (others)
17	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		203	traffic accident (public road)
12	contact to harmful substance				1	1	3	1	1			2	1	6	3	15	9	11	9	16	13	2	4		98	contact to harmful substance
11	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
05	collapse	3			2	2	1	3	1	2	1	1	1	1			2	3	2		1	1			27	collapse
09	injury to the sole of the foot						1		1																2	injury to the sole of the foot
13	electric shock	1					1																		2	electric shock
15	burst				1							1													2	burst
10	drown																									drown
14	explosion																									explosion
16	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	4,342	total

Transition of fatal and non-fatal accidents in workers ages in code no. 040103 airline service (1999-2021)

code	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
2	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
3	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
5	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
4	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
6	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
1	19 years old or less		2	1	1				1			1					2	1		3			1		13	19 years old or less
	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

Transition of fatal and non-fatal accidents in workers scales in code no. 040103 airline service (1999-2021)

code	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
6	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
5	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
2	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
3	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
4	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
1	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
	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

Transition of fatal and non-fatal accidents in months in code no. 040103 airline service (1999-2021)

code	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
8	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

7	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
1	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
12	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
10	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
11	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
4	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
5	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
3	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
9	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
2	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
6	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
	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

Transition of fatal and non-fatal accidents in prefectures in code no. 040103 airline service (1999-2021)

code	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
13	Tokyo	37	31	41		58		84	63	87	68	56	71	57	121	92	121	108	122	126	147	120	54	63	1,727	Tokyo
27	Osaka	13	24	19		18		14	26	56	24	16	12	11	11	6	11	10	13	18	15	21	6	22	366	Osaka
12	Chiba	50	83	81		82		114	90	115	69	52	44	25	42	39	52	45	64	46	49	33	12	8	1,195	Chiba
40	Fukuoka	8	3	2		10		5	3	4	4	3	7	4	7	3	6	4	3	8	7	12	2	7	112	Fukuoka
46	Kagoshima	1	5	2		3		2	5	3		2	3	1	1	6	1	3	3	7	7	3	4	3	65	Kagoshima
23	Aichi	4	1	3		2		1	3			2	2		1	3	1	5	3	10	5	6		2	54	Aichi
4	Miyagi	1		1				1				1							1	5	1			2	13	Miyagi
47	Okinawa	2	3	1				2	3	14	13	16	9	9	4	4	6	6	8	5	6	1	4	1	117	Okinawa
11	Saitama		7	3					2				2		1	1				1				1	18	Saitama

29	Nara	1				1		3	2	1			1	1	1		1					1		1	14	Nara
22	Shizuoka													1				2		1		1		1	6	Shizuoka
20	Nagano					1			1											1				1	4	Nagano
19	Yamanashi													1										1	2	Yamanashi
1	Hokkaido	3				2		3	1	3	1	4	3	2	8	4	6	6	7	13	9	12	6		93	Hokkaido
33	Okayama			2				1	4	1	1				1		1			2					13	Okayama
45	Miyazaki		1			2		3	1		1					1					1	1			11	Miyazaki
41	Saga							1							1			3		2		1			8	Saga
24	Mie			4								1		1	1										7	Mie
42	Nagasaki			1								1		1		1							1		5	Nagasaki
28	Hyogo												1					1	1		1				4	Hyogo
34	Hiroshima	1															2						1		4	Hiroshima
9	Tochigi												1						1	1					3	Tochigi
15	Niigata												1			1					1				3	Niigata
37	Kagawa												1	1	1										3	Kagawa
2	Aomori								1									1							2	Aomori
5	Akita										2														2	Akita
6	Yamagata																2								2	Yamagata
10	Gunma																				2				2	Gunma
21	Gifu			1		1																			2	Gifu
25	Shiga			1										1											2	Shiga
31	Tottori							1														1			2	Tottori
43	Kumamoto	1				1																			2	Kumamoto

44	Oita	1								1																2	Oita
3	Iwate																							1		1	Iwate
14	Kanagawa																1									1	Kanagawa
30	Wakayama												1													1	Wakayama
32	Shimane	1																								1	Shimane
35	Yamaguchi														1											1	Yamaguchi
38	Ehime			1																						1	Ehime
39	Kochi										1															1	Kochi
7	Fukushima																										Fukushima
8	Ibaraki																										Ibaraki
16	Toyama																										Toyama
17	Ishikawa																										Ishikawa
18	Fukui																										Fukui
26	Kyoto																										Kyoto
36	Tokushima																										Tokushima
	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

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