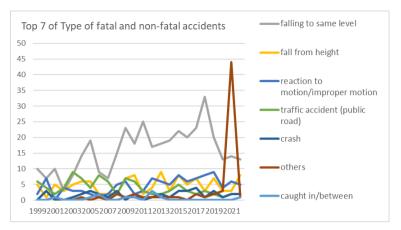
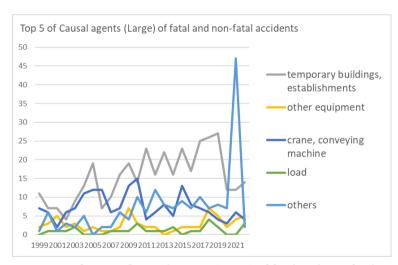
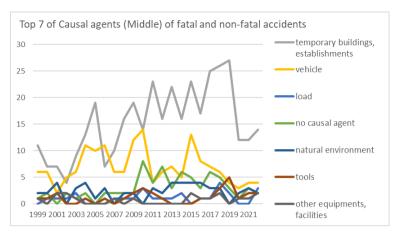
## Transition of fatal and non-fatal accidents in 090201 traveling service in Japan (1999-2022)



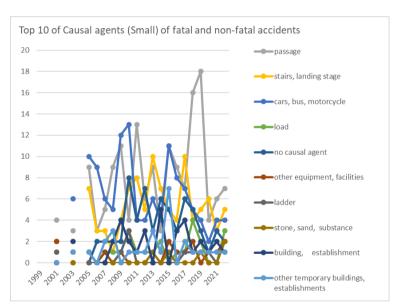
Transition of Top 7 of Type of fatal and non-fatal accidents in 090201 traveling service in Japan (1999-2022)



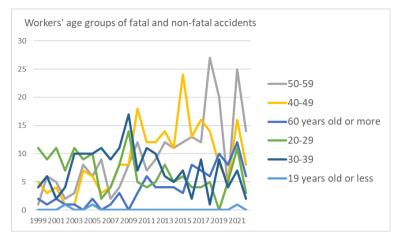
Transition of Top 5 of Causal agents (Large) of fatal and non-fatal accidents in 090201 traveling service in Japan (1999-2022)



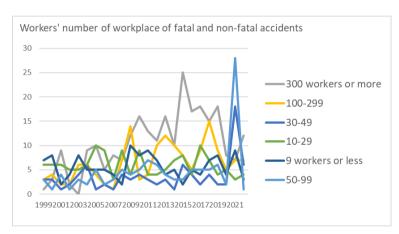
Transition of Top 7 of Causal agents (Middle) of fatal and non-fatal accidents in 090201 traveling service in Japan (1999-2022)



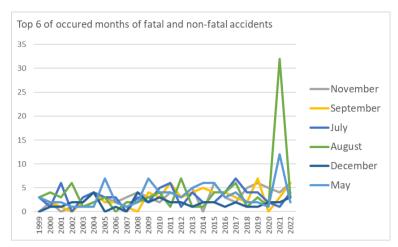
Transition of Top 10 of Causal agents (Small) of fatal and non-fatal accidents in 090201 traveling service in Japan (1999-2022)



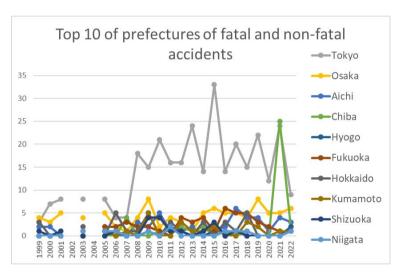
Transition of workers' age groups of fatal and non-fatal accidents in 090201 traveling service in Japan (1999-2022)



Transition of workers' number of workplace of fatal and non-fatal accidents in 090201 traveling service in Japan (1999-2022)



Transition of Top 6 of occured months of fatal and non-fatal accidents in 090201 traveling service in Japan (1999-2022)



Transition of Top 10 of prefectures of fatal and non-fatal accidents in 090201 traveling service in Japan (1999-2022)

Transition of Type of fatal and non-fatal accidents in 090201 traveling 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
falling to same level	10	7	10	3	8	14	19	9	7	15	23	18	25	17	18	19	22	20	23	33	20	13	14	13	380	falling to same level
fall from height	5	1	5	3	5	6	6	2	2	2	7	8	2	4	9	3	8	5	7	3	7	3	3	8	114	fall from height

reaction to																										reaction to
motion/improper	2	7		4	3	3	2	1	2	5	6	2	3	7	6	5	8	6	7	8	9	4	6	5	111	motion/improper
motion																										motion
traffic accident (public	_																								0.5	traffic accident
road)	6	4	2	4	9	7	4	8	6	2	7	6	3	2	2	3	5	3	2	3	2	ı	2	2	95	(public road)
crash		3			1	2	3	2	1	3		2		1	2	1	3	3	4	1	3	1	2	2	40	crash
others			1			1		1		2	1	2	1	1	1	1	1		2	1	2	3	44	1	66	others
caught in/between								2			1	1		3	1									1	11	caught
caught in/between														3											1 1	in/between
collapse										1			1						1					1	4	collapse
crashed by				2		1			2	3	1	3	1	1	2	1	3	2	1	1	2	1	1		28	crashed by
struck by flying or																									12	struck by flying
falling object		2	3									2	I						'	2					12	or falling object
cut			1										2	1	1	1					1				7	cut
contact to high/low-																										contact to
temperature			1								1			1	1	1	1				1				7	high/low-
temperature																										temperature
unclassifiable		1								1				2						1					5	unclassifiable
traffic accident																										traffic accident
(others)													<b>I</b>												3	(others)
contact to harmful																										contact to
substance																	1	1							2	harmful
substance																										substance
injury to the sole of																										injury to the sole
the foot																										of the foot

drown																										drown
electric shock																										electric shock
explosion																										explosion
burst																										burst
fire																										fire
total	23	25	24	16	26	34	35	25	20	34	47	45	40	40	44	36	52	40	48	53	47	26	72	33	885	total

Transition of Causal agents (Large) of fatal and non-fatal accidents in 090201 traveling 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		Causal (L)
temporary buildings, establishments	11	7	7	4	9	13	19	7	10	16	19	14	23	16	22	16	23	17	25	26	27	12	12	14		temporary buildings, establishments
other equipment	2	3	5	2	3	1	2	1	1	2	7	3	2	2		1	2	2	2	7	5	2	4	5	66	other equipment
crane, conveying machine	7	6	2	6	7	11	12	12	6	7	13	15	4	6	8	5	13	8	7	6	4	3	6	4	178	crane, conveying machine
load		1	1	1	2				1	1	1	3	1	1	1	2		1	1	4	2			3	27	load
others	1	6	1	3	2	5		2	2	6	4	10	6	12	8	7	9	7	10	7	8	7	47	2	172	others
environment	2	2	4		3	4	1	3		2	2		3	2	4	4	4	4	3	3		2	3	2	57	environment
substance, material			2				1				1		1	1	1	1	1	1			1			2	13	substance, material
machine			2																					1	3	machine
total	23	25	24	16	26	34	35	25	20	34	47	45	40	40	44	36	52	40	48	53	47	26	72	33	885	total

## Transition of Causal agents (Middle) of fatal and non-fatal accidents in 090201 traveling 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)
temporary buildings, establishments	11	7	7	4	9	13	19	7	10	16	19	14	23	16	22	16	23	17	25	26	27	12	12	14		temporary buildings, establishments
vehicle	6	6	2	5	6	11	10	11	6	6	12	14	4	6	7	5	13	8	7	6	4	3	4	4	166	vehicle
load		1	1	1	2				1	1	1	3	1	1	1	2		1	1	4	2			3	27	load
no causal agent	1	2		2	1	2		2	2	2	2	8	4	7	3	6	5	3	6	5	3	1	3	2	72	no causal agent
natural environment	2	2	4		3	4	1	3		2	2		3	2	4	4	4	4	3	3		2	3	2	57	natural environment
tools	1	1	2			1		1		1	2	3	2	1				1	1	3	5	1	2	2	30	tools
other equipments,	1		2	2	1				1		1						2	1	1	2		1	1	2		other equipments, facilities
materials			2				1						1	1	1		1	1			1			2	11	materials
electric equipment		1					1			1				1						1			1	1	7	electric equipment
general machine			1																					1	2	general machine
other causal agent		3	1	1		3				3	1	2	2	2	4	1	3	4	4	2	5	6	44		91	other causal agent
																										conveying

conveying machine	1			1	1	2	1	1	1	1								2	11	machine
human power machine, tools		1	1		2	1			4				1			1			11	human power
unclassifiable		1			1			1	1		3	1		1					9	unclassifiable
hazards, harmful substances									1				1						2	hazards, harmful substances
metal manufacturing machine			1																	metal manufacturing machine
crane												1							1	crane
engine																				engine
power transmission mechanism																				power transmission mechanism
woodworking machine																				woodworking machine
construction machine																				construction machine
mobile silviculture machine																				mobile silviculture machine
pressure vessel																				pressure vessel
chemical facilities																				chemical facilities

welding equipment																										welding equipment
kiln, caldron																										kiln, caldron
total	23	25	24	16	26	34	35	25	20	34	47	45	40	40	44	36	52	40	48	53	47	26	72	33	885	total

Transition of Causal agents (Small) of fatal and non-fatal accidents in 090201 traveling service in Japan (1999-2022)

Transition of Causar a		1	1						1	1	1	1		1	1	7	1		1	1	1		1	1	1	
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
passage			4		3		9	3	5	9	11	4	13	6	9	3	11	9	7	16	18	4	6	7	157	passage
stairs, landing stage			2		1		7	3	3	1	4	7	8	5	10	7	5	4	10	4	5	6	3	5	100	stairs, landing stage
cars, bus, motorcycle			2		6		10	9	6	5	12	13	4	4	6	4	11	8	7	5	4	2	4	4	126	cars, bus,
load			1		2				1	1	1	3	1	1	1	2		1	1	4	2			3	25	load
no causal agent					1			2	2	2	2	8	4	7	3	6	5	3	6	5	3	1	3	2	65	no causal agent
other equipment,			2		1				1		1						2	1	1	2		1	1	2	15	other equipment,
ladder			1								1	3							1	1	1	1		2	11	ladder
stone, sand, substance							1								1		1				1			2	6	stone, sand, substance
building, establishment					2		1			2	4	2	1	3		5		3	4	1	2	1	2	1	34	building, establishment
other temporary buildings, establishments					1		1		2	3		1	1	1	3	1	7		2	1	1	1	1	1	28	other temporary buildings, establishments
other environments			1		1		1	1		2	1		2	1	2		2	3	2	3		1		1	24	other environments
																i				İ			İ			

natural ground, rock		1			2							1		1	1			1	2	1	10	natural ground, rock
transmission						1				1						1			1	1	5	transmission
other general power machines		1																		1	2	other general power machines
other causal agent		1				3	1	2	2	2	4	1	3	4	4	2	5	6	44		84	other causal agent
other tools		1				1	1		2	1				1		2	4		2		15	other tools
working platform,			1	1	1	1				1				1	2	4	1				13	working platform, boot board
other vehicles					1	1				2	1	1	2			1		1			10	other vehicles
human power		1	2	1			4									1					9	human power hauling equipment
unclassifiable			1			1	1			3	1		1								8	unclassifiable
truck			1	2	1		1	1											1		7	truck
water		1	2								1	1							1		6	water
high/cold temperature environment										1	1	1	1								4	high/cold temperature environment
other materials		1							1	1											3	other materials
standing tree							1		1			1									3	standing tree
railway vehicle					1			1													2	railway vehicle
opening		1	1																		2	opening
other hazards, harmful substances							1					1									2	other hazards, harmful substances

metal material		1										1				2	metal material
abnormal environment		1									1					2	abnormal environment
other metal manufacturing machines		1														1	other metal manufacturing machines
other powered crane									1							1	other powered crane
forklift															1	1	forklift
conveyor						1										1	conveyor
other electrical equipment				1												1	other electrical equipment
human power machine										1						1	human power
slinging tool					1											1	slinging tool
engine																	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																	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													lathe
drill press, milling													drill press, milling
machine													machine
grinding machine,													grinding machine,

buffing machine												buffing machine
power press												power press
forging pressure												forging pressure
hammer												hammer
shearing machine												shearing machine
centrifugal machine												centrifugal machine
mixer, grinder												mixer, grinder
roll machine (except												roll machine (excep
printingroll												printingroll
machine)												machine)
injection molding												injection molding
machine												machine
food manufacturing												food manufacturing
machine												machine
printing machine												printing machine
industrial robot												industrial robot
felling machine												felling machine
mobile logging												mobile logging
machine												machine
skyline yarding												skyline yarding
machine												machine
other mobile												other mobile
silviculture machine												silviculture machine
crane												crane
mobile crane												mobile crane

				لا			لا		لا			الصليا		السيا					الــــــــا					!_	
derrick crane																								C	derrick crane
elevator, lift																								e	elevator, lift
cargo lifting																								c	argo lifting
appliance																								a	ppliance
gondola																								g	gondola
lumberyard																								I	umberyard
equipment, logging																								e	equipment, logging
cableway																								c	ableway
simple skyline																								s	imple skyline
yarding equipment																								У	arding equipment
railway equipment																								r	ailway equipment
loader																								le	oader
straddle carrier																								s	traddle carrier
rough terrain hauler																								r	ough terrain hauler
other powered																								c	other powered
conveying machines																								c	conveying machines
boiler																								b	ooiler
pressure vessel																								p	oressure vessel
other pressure																								c	other pressure
vessels																								v	vessels
chemical facilities																								c	hemical facilities
gas welding																								Ç	gas welding
equipment																								e	equipment
arc welding																								a	arc welding
II I	l II	П	П	II I	II I	II I	II I	I .	II I	II I	1 1	I !!	1 1	ı II	l II	I	II I	I	ı II	I	1	I .	I II	II	

equipment													equipment
other welding equipment													other welding equipment
kiln, caldron													kiln, caldron
industrial dryer													industrial dryer
other kiln, caldron													other kiln, caldron
electric power													electric power
human power cranes													human power cranes
hand tool													hand tool
scaffolding													scaffolding
timbering													timbering
roof, beam, haze, crossbeam, principal rafter													roof, beam, haze, crossbeam, principal rafter
explosive substance													explosive substance
inflammable substance													inflammable substance
inflammable gas													inflammable gas
harmful substance													harmful substance
radiation													radiation
lumber, bamboo													lumber, bamboo
machine/equipment													machine/equipment

as load																										as load
	23	25	24	16	26	34	35	25	20	34	47	45	40	40	44	36	52	40	48	53	47	26	72	33	885	total

Transition of workers' age groups of fatal and non-fatal accidents in 090201 traveling service in Japan (1999-2022)

Age	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	Age
50-59	1	6	5	2	3	8	6	9	2	4	8	12	7	9	12	11	12	13	12	27	20	4	25	14	232	50-59
40-49	5	3	4	1	1	7	6	3	4	8	8	18	12	12	14	11	24	13	16	14	8	5	16	8	221	40-49
60 years old or	2	1	2	1	1		2		1	3		3	6	4	4	4	3	8	7	6	10	8	12	6	94	60 years old or
more		_			•				•					_	•								12			more
20-29	11	9	11	7	11	9	10	2	4	8	14	5	4	5	8	5	6	4	4	5		5	11	3	161	20-29
30-39	4	6	2	4	10	10	10	11	9	11	17	7	11	10	6	5	7	2	9	1	9	4	7	2	174	30-39
19 years old or less				1			1																1		3	19 years old or less
total	23	25	24	16	26	34	35	25	20	34	47	45	40	40	44	36	52	40	48	53	47	26	72	33	885	total

Transition of workers' number of workplace of fatal and non-fatal accidents in 090201 traveling service in Japan (1999-2022)

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	2022	total	Workers scale
300 workers or	1	3	9	2		9	10	5	8	7	12	16	13	11	16	10	25	17	18	15	18	8	7	12	252	300 workers or
more																										more
100-299	3	4	2	2	6	6	4	2	1	7	14	3	4	10	12	10	8	5	9	15	9	5	7	7	155	100-299
30-49	3	3	1	2	4	6	1	2	1	4	3	4	3	2	3	1	6	4	2	4	2	2	18	6	87	30-49
10-29	6	6	6	5	5	6	10	9	3	9	4	9	4	4	5	7	8	4	10	7	4	5	3	4	143	10-29
9 workers or less	7	8	2	4	8	5	5	5	4	2	10	8	9	7	4	5	2	5	4	7	8	4	9	3	135	9 workers or less
50-99	3	1	4	1	3	2	5	2	3	5	4	5	7	6	4	3	3	5	5	5	6	2	28	1	113	50-99
total	23	25	24	16	26	34	35	25	20	34	47	45	40	40	44	36	52	40	48	53	47	26	72	33	885	total

## Transition of occured months of fatal and non-fatal accidents in 090201 traveling service in Japan (1999-2022)

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
November		2		1	1	2	3	2	3	4	3	2	4	3	5		6	3	2	5	6	5	4	6	72	November
September	3	2	1		2	4	2	2	1		4	3	6	3	4	5	4	4	3	2	7		3	6	71	September
July	3	1	6		3	4	3	3		3	2	5	6	1	4	2	2	4	7	4	4	2	1	4	74	July
August	3	4	3	6	1	2	3		2	2	3	4	1	7	1	1	4	4	6	1	3	1	32	3	97	August
December		1	1	2	2	4		1		4	2	3	2	2	1	2	2	1	2	1	1	2	2	3	41	December
May	3	2	2	1	1	1	7	2	1	2	7	4	4	3	5	6	6	3	4	2	2	1	12	2	83	May
February	3	1	2		2	5	1	4	2	4	4	2	7	4	6	4	6	4	2	3	3	4	1	2	76	February
October	2	4	1	2	1	2	3	2	3	2	5	2	1	6	4	2	5	3	6	4	3	4	3	2	72	October
April		1			1	5	1	2		2	6	7		1	4	3	2	1	2	7	5		3	2	55	April
January	2	2	2	1	5	3	2		3	6	4	3	4	3	3	4	7	4	5	10	5	3	2	1	84	January
March	2	2	3	3	4		6	2	3	4	3	3	3	3	6	2	6	4	4	6	7	2	1	1	80	March
June	2	3	3		3	2	4	5	2	1	4	7	2	4	1	5	2	5	5	8	1	2	8	1	80	June
total	23	25	24	16	26	34	35	25	20	34	47	45	40	40	44	36	52	40	48	53	47	26	72	33	885	total

## Transition of prefectures of fatal and non-fatal accidents in 090201 traveling 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	3	7	8		8		8	4	4	18	15	21	16	16	24	14	33	14	20	15	22	12	24	9	315	Tokyo
Osaka	4	3	5		4		5	2	1	4	8	2	4	3	1	5	6	5	5	4	8	5	5	6	95	Osaka
Aichi	2	2					1			3	2	5	1	1	2		1	2	6	4	4	1	4	3	44	Aichi
Chiba					1				4			1	1	2	1	2		1		1			25	2	41	Chiba
Hyogo							1	1			1		2	1			1	1	1					2	11	Hyogo

																								[
Fukuoka					2	2	3	2	2	1		4	3	4	1	6	5	5	3	2	1	1	47	Fukuoka
Hokkaido	3			2		5	1	1	5		3	1		3		3	1	5				1	34	Hokkaido
Kumamoto					1		1		5			3	1	1	2			3	2		1	1	21	Kumamoto
Shizuoka	1		1			1			4	4	1	1		1	3		1					1	19	Shizuoka
Niigata				1	1	1			1		2					1	1	1				1	10	Niigata
Kagawa			1	1	2	1		1	1						1			1				1	10	Kagawa
Toyama	1						1			1				1		2			1			1	8	Toyama
Oita	1					1					3								1			1	7	Oita
Wakayama					1	1														1		1	4	Wakayama
Ishikawa					1		1															1	3	Ishikawa
Gifu									1													1	2	Gifu
Miyagi					1	1		1			1	1	2				1	1		1	3		13	Miyagi
Kanagawa	2	3					1					1		1		1		2	1	1			13	Kanagawa
Nagano	2	1			5				1	1	1												11	Nagano
Hiroshima		1		1	1	2				2			2					1			1		11	Hiroshima
Okinawa		1				1	1	2		2	1							1	2				11	Okinawa
Mie	1	2		2	1		1				1				1								9	Mie
lbaraki					1	2				1	1	1					1	1					8	lbaraki
Saitama												1					3	4					8	Saitama
Kyoto		1	1	2						1				1	1			1					8	Kyoto
Okayama			2		1					1		1		3									8	Okayama
Tokushima			2												1	1					3		7	Tokushima
Kagoshima				1							1		1							1	2		6	Kagoshima

Ehime		1	1				1		1						1										5	Ehime
Nagasaki	1										1				1						1	1			5	Nagasaki
Fukushima	1						1							1				1							4	Fukushima
Yamagata		1	1																		1				3	Yamagata
Tochigi										1		1									1				3	Tochigi
Fukui														2	1										3	Fukui
Yamanashi												1			1				1						3	Yamanashi
Shiga			1																1	1					3	Shiga
Tottori	1																	1					1		3	Tottori
Saga		1			1										1										3	Saga
Miyazaki					1										1				1						3	Miyazaki
Aomori																	1					1			2	Aomori
lwate																				1			1		2	lwate
Gunma															1			1							2	Gunma
Nara		1																					1		2	Nara
Shimane			1																	1					2	Shimane
Yamaguchi					1								1												2	Yamaguchi
Kochi										1															1	Kochi
Akita																										Akita
total	23	25	24	16	26	34	35	25	20	34	47	45	40	40	44	36	52	40	48	53	47	26	72	33	885	total

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