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

traveling service industry Code No.090201

Type of accidents in traveling 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	5	1	5	3	5	6	6	2	2	2	7	8	2	4	9	3	8	5	7	3	7	3	3	106	fall from height
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	367	falling to same
crash		3			1	2	3	2	1	3		2		1	2	1	3	3	4	1	3	1	2	38	crash
struck by flying or falling object		2	3									2	1			1			1	2				12	struck by flying or falling object
collapse										1			1						1					3	collapse
crashed by				2		1			2	3	1	3	1	1	2	1	3	2	1	1	2	1	1	28	crashed by
caught in/between			1				1	2			1	1		3	1									10	caught in/between
cut			1										2	1	1	1					1			7	cut
injury to the sole of the foot																									injury to the sole of the foot
drown																									drown
contact to high/low- temperature			1								1			1	1	1	1				1			7	contact to high/low- temperature

contact to harmful substance																	1	1						2	contact to harmful substance
electric shock																									electric shock
explosion																									explosion
burst																									burst
fire																									fire
traffic accident (public road)	6	4	2	4	9	7	4	8	6	2	7	6	3	2	2	3	5	3	2	3	2	1	2	93	traffic accident (public road)
traffic accident (others)												1	1		1									3	traffic accident (others)
reaction to motion/improper motion	2	7		4	3	3	2	1	2	5	6	2	3	7	6	5	8	6	7	8	9	4	6	106	reaction to motion/improper motion
others			1			1		1		2	1	2	1	1	1	1	1		2	1	2	3	44	65	others
unclassifiable		1								1				2						1				5	unclassifiable
total	23	25	24	16	26	34	35	25	20	34	47	45	40	40	44	36	52	40	48	53	47	26	72	852	total

Causal agents (large) of fatal and non-fatal accidents in traveling service in 1999-2021

Causal (L) agents	1000	2000	2001	2002	2003	2004	2005	2006	2007	2008	2000	2010	2011	2012	2013	2014	2015	2016	2017	2018	2010	2020	2021		Causal (L)
Causar (L) agents	1999	2000	2001	2002	2003	2004	2003	2000	2007	2008	2009	2010	2011	2012	2013	2014	2013	2010	2017	2010	2019	2020	2021		agents
machine			2																					2	machine
crane, conveying																									crane,

machine	7	6	2	6	7	11	12	12	6	7	13	15	4	6	8	5	13	8	7	6	4	3	6	174	conveying
																									machine
other equipment	2	3	5	2	3	1	2	1	1	2	7	3	2	2		1	2	2	2	7	5	2	4	61	other
other equipment									ľ							ı				,					equipment
to manage my buildings																									temporary
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	355	buildings,
establishments																									establishments
substance, material			2				1				1		1	1	1	1	1	1			1			11	substance,
substance, material														ľ		ľ	ľ								material
load		1	1	1	2				1	1	1	3	1	1	1	2		1	1	4	2			24	load
environment	2	2	4		3	4	1	3		2	2		3	2	4	4	4	4	3	3		2	3	55	environment
others	1	6	1	3	2	5		2	2	6	4	10	6	12	8	7	9	7	10	7	8	7	47	170	others
total	23	25	24	16	26	34	35	25	20	34	47	45	40	40	44	36	52	40	48	53	47	26	72	852	total

Causal agents (middle) of fatal and non-fatal accidents in traveling service 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																									engine
power transmission mechanism																									power transmission mechanism
woodworking machine																									woodworking machine

construction machine																									construction
																									machine
metal manufacturing machine			1																					1	metal manufacturing machine
general machine			1																					1	general machine
mobile silviculture machine																									mobile silviculture machine
crane															1									1	crane
conveying machine	1			1	1		2	1		1	1	1											2	11	conveying machine
vehicle	6	6	2	5	6	11	10	11	6	6	12	14	4	6	7	5	13	8	7	6	4	3	4	162	vehicle
pressure vessel																									pressure vessel
chemical facilities																									chemical facilities
welding equipment																									welding equipment
kiln, caldron																									kiln, caldron
electric equipment		1					1			1				1						1			1	6	electric equipment
human power machine, tools		1	1		2		1				4					1				1				11	human power machine, tools

tools	1	1	2			1		1		1	2	3	2	1				1	1	3	5	1	2	28	tools
other equipments,	1		2	2	1				1		1						2	1	1	2		1	1	16	other equipments, facilities
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	355	temporary buildings, establishments
hazards, harmful substances											1					1								2	hazards, harmful substances
materials			2				1						1	1	1		1	1			1			9	materials
load		1	1	1	2				1	1	1	3	1	1	1	2		1	1	4	2			24	load
natural environment	2	2	4		3	4	1	3		2	2		3	2	4	4	4	4	3	3		2	3	55	natural environment
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
no causal agent	1	2		2	1	2		2	2	2	2	8	4	7	3	6	5	3	6	5	3	1	3	70	no causal agent
unclassifiable		1			1					1	1			3	1		1							9	unclassifiable
total	23	25	24	16	26	34	35	25	20	34	47	45	40	40	44	36	52	40	48	53	47	26	72	852	total

Causal agents (small) of fatal and non-fatal accidents in traveling service 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													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

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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
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																	printingroll
machine)																	machine)
injection molding																	injection molding

11														machine
food manufacturing														food manufacturing
machine														machine
printing machine														printing machine
industrial robot														industrial robot
other general		1											1	other general
power machines		•											ľ	power machines
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
derrick crane														derrick crane
elevator, lift														elevator, lift
cargo lifting														cargo lifting
appliance														appliance
gondola														gondola
lumberyard	j													lumberyard
equipment, logging														equipment, logging

cableway																					cableway
simple skyline yarding equipment																					simple skyline yarding equipment
other powered crane											1									1	other powered
truck		1	2	1			1	1											1	7	truck
forklift																			1	1	forklift
railway equipment																					railway equipment
conveyor						1														1	conveyor
loader																					loader
straddle carrier																					straddle carrier
rough terrain hauler																					rough terrain haule
other powered conveying machines																					other powered conveying machine
cars, bus, motorcycle	2	6	10	9	6	5	12	13	4	4	6	4	11	8	7	5	4	2	4	122	cars, bus, motorcycle
railway vehicle				1				1												2	railway vehicle
other vehicles				1		1				2	1	1	2			1		1		10	other vehicles
boiler																					boiler
pressure vessel																					pressure vessel
other pressure vessels																					other pressure 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						1				1				1			1	4	transmission
electric power																			electric power
facilities																			facilities
other electrical				1														1	other electrical
equipment																			equipment
human power																			human power
cranes																			cranes
human power		1	2	1			4							1				9	human power
hauling equipment														<u> </u>					hauling equipment
human power											1							1	human power
machine																		<u> </u>	machine
hand tool																			hand tool
ladder		1					1	3					1	1	1	1		9	ladder
slinging tool					1													1	slinging tool
other tools		1				1	1		2	1		1		2	4		2	15	other tools

other equipment,		2	1			1		1						2	1	1	2		1	1	13	other equipment,
scaffolding																						scaffolding
timbering																						timbering
stairs, landing stage		2	1	7	3	3	1	4	7	8	5	10	7	5	4	10	4	5	6	3	95	stairs, landing stage
opening		1	1																		2	opening
roof, beam, haze,																						roof, beam, haze,
crossbeam,																						crossbeam,
principal rafter																						principal rafter
working platform,																					1.2	working platform,
boot board			1	1	1		1				1				1	2	4	1			13	boot board
passage		4	3	9	3	5	9	11	4	13	6	9	3	11	9	7	16	18	4	6	150	passage
building,			2	1			2			1	3		5		3			2	1		33	building,
establishment			2	I				4	2	ľ	3		3		3	4	ı		<u>'</u>	2	33	establishment
other temporary																						other temporary
buildings,			1	1		2	3		1	1	1	3	1	7		2	1	1	1	1	27	buildings,
establishments																						establishments
explosive substance																						explosive substance
inflammable																						inflammable
substance																						substance
inflammable gas																						inflammable gas
harmful substance																						harmful substance
radiation																						radiation
other hazards,																						other hazards,

harmful substances								1					1								2	harmful substances
metal material		1													1						2	metal material
lumber, bamboo																						lumber, bamboo
stone, sand, substance				1								1		1				1			4	stone, sand, substance
other materials		1								1	1										3	other materials
load		1	2			1	1	1	3	1	1	1	2		1	1	4	2			22	load
machine/equipment as load																						machine/equipment as load
natural ground,		1			2								1		1	1			1	2	9	natural ground, rock
standing tree								1		1			1								3	standing tree
water		1	2									1	1							1	6	water
abnormal environment		1												1							2	abnormal environment
high/cold temperature environment											1	1	1	1							4	high/cold temperature environment
other environments		1	1	1	1		2	1		2	1	2		2	3	2	3		1		23	other environments
other causal agent		1					3	1	2	2	2	4	1	3	4	4	2	5	6	44	84	other causal agent
no causal agent			1		2	2	2	2	8	4	7	3	6	5	3	6	5	3	1	3	63	no causal agent
unclassifiable			1				1	1			3	1		1							8	unclassifiable
total		24	26	35	25	20	34	47	45	40	40	44	36	52	40	48	53	47	26	72	754	total

Workers age of fatal and non-fatal accidents in traveling 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				1			1																1	3	19 years old or less
20-29	11	9	11	7	11	9	10	2	4	8	14	5	4	5	8	5	6	4	4	5		5	11	158	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	172	30-39
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	213	40-49
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	218	50-59
60 years old or	2	1	2	1	1		2		1	3		3	6	4	4	4	3	8	7	6	10	8	12	88	60 years old or
more									•															ll l	more
total	23	25	24	16	26	34	35	25	20	34	47	45	40	40	44	36	52	40	48	53	47	26	72	852	total

Workers' number of workplace of fatal and non-fatal accidents in traveling 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	7	8	2	4	8	5	5	5	4	2	10	8	9	7	4	5	2	5	4	7	8	4	9	132	9 workers or less
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	139	10-29
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	81	30-49
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	112	50-99
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	148	100-299
300 workers or more	1	3	9	2		9	10	5	8	7	12	16	13	11	16	10	25	17	18	15	18	8	7	240	300 workers or more
total	23	25	24	16	26	34	35	25	20	34	47	45	40	40	44	36	52	40	48	53	47	26	72	852	total

Month of fatal and non-fatal accidents in traveling 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	2	1	5	3	2		3	6	4	3	4	3	3	4	7	4	5	10	5	3	2	83	January
February	3	1	2		2	5	1	4	2	4	4	2	7	4	6	4	6	4	2	3	3	4	1	74	February
March	2	2	3	3	4		6	2	3	4	3	3	3	3	6	2	6	4	4	6	7	2	1	79	March
April		1			1	5	1	2		2	6	7		1	4	3	2	1	2	7	5		3	53	April
May	3	2	2	1	1	1	7	2	1	2	7	4	4	3	5	6	6	3	4	2	2	1	12	81	May
June	2	3	3		3	2	4	5	2	1	4	7	2	4	1	5	2	5	5	8	1	2	8	79	June
July	3	1	6		3	4	3	3		3	2	5	6	1	4	2	2	4	7	4	4	2	1	70	July
August	3	4	3	6	1	2	3		2	2	3	4	1	7	1	1	4	4	6	1	3	1	32	94	August
September	3	2	1		2	4	2	2	1		4	3	6	3	4	5	4	4	3	2	7		3	65	September
October	2	4	1	2	1	2	3	2	3	2	5	2	1	6	4	2	5	3	6	4	3	4	3	70	October
November		2		1	1	2	3	2	3	4	3	2	4	3	5		6	3	2	5	6	5	4	66	November
December		1	1	2	2	4		1		4	2	3	2	2	1	2	2	1	2	1	1	2	2	38	December
total	23	25	24	16	26	34	35	25	20	34	47	45	40	40	44	36	52	40	48	53	47	26	72	852	total

Prefecture of fatal and non-fatal accidents in traveling service in 1999-2021

Prefecture 1	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	3				2			5	1	1	5		3	1		3		3	1	5				33	Hokkaido
Aomori																	1					1		2	Aomori

lwate																		1			1	2	lwate
Miyagi					1	1		1			1	1	2				1	1		1	3	13	Miyagi
Akita																							Akita
Yamagata		1	1																1			3	Yamagata
Fukushima	1				1							1				1						4	Fukushima
lbaraki					1	2				1	1	1					1	1				8	Ibaraki
Tochigi								1		1									1			3	Tochigi
Gunma													1			1						2	Gunma
Saitama												1					3	4				8	Saitama
Chiba				1			4			1	1	2	1	2		1		1			25	39	Chiba
Tokyo	3	7	8	8	8	4	4	18	15	21	16	16	24	14	33	14	20	15	22	12	24	306	Tokyo
Kanagawa	2	3					1					1		1		1		2	1	1		13	Kanagawa
Niigata				1	1	1			1		2					1	1	1				9	Niigata
Toyama	1						1			1				1		2			1			7	Toyama
Ishikawa					1		1															2	Ishikawa
Fukui												2	1									3	Fukui
Yamanashi										1			1				1					3	Yamanashi
Nagano	2	1			5				1	1	1											11	Nagano
Gifu									1													1	Gifu
Shizuoka	1		1			1			4	4	1	1		1	3		1					18	Shizuoka
Aichi	2	2			1			3	2	5	1	1	2		1	2	6	4	4	1	4	41	Aichi
Mie	1	2		2	1		1				1				1							9	Mie
Shiga			1														1	1				3	Shiga

Kyoto		1	1	2						1				1	1			1				8	Kyoto
Osaka	4	3	5	4	5	2	1	4	8	2	4	3	1	5	6	5	5	4	8	5	5	89	Osaka
Hyogo					1	1			1		2	1			1	1	1					9	Hyogo
Nara		1																			1	2	Nara
Wakayama					1	1														1		3	Wakayama
Tottori	1															1					1	3	Tottori
Shimane			1															1				2	Shimane
Okayama			2		1					1		1		3								8	Okayama
Hiroshima		1		1	1	2				2			2					1			1	11	Hiroshima
Yamaguchi				1							1											2	Yamaguchi
Tokushima			2												1	1					3	7	Tokushima
Kagawa			1	1	2	1		1	1						1			1				9	Kagawa
Ehime		1	1		1		1						1									5	Ehime
Kochi								1														1	Kochi
Fukuoka					2	2	3	2	2	1		4	3	4	1	6	5	5	3	2	1	46	Fukuoka
Saga		1		1									1									3	Saga
Nagasaki	1								1				1						1	1		5	Nagasaki
Kumamoto					1		1		5			3	1	1	2			3	2		1	20	Kumamoto
Oita	1					1					3								1			6	Oita
Miyazaki				1									1				1					3	Miyazaki
Kagoshima				1							1		1							1	2	6	Kagoshima
Okinawa		1				1	1	2		2	1							1	2			11	Okinawa

total	23	25	24	26		35	25	20	34	47	45	40	40	44	36	52	40	48	53	47	26	72	802	total	
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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)

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Fatal accidents in traveling service in Japan in 1999-2021

traveling service industry Code No.090201

Type of fatal accidents in traveling 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															1			1						2	fall from height
falling to same level																									falling to same
																									level
crash																									crash
struck by flying or																									struck by flying
falling object																									or falling object
collapse																									collapse
crashed by																									crashed by
																									caught

caught in/between																in/between
cut																cut
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)	4		1		1				1				1		8	traffic accident (public road)
traffic accident (others)																traffic accident (others)
reaction to motion/improper motion																reaction to motion/improper motion
others					1		1						1		3	others
unclassifiable																unclassifiable

	\Box	\Box	\Box		 	\Box	\Box		\Box		\Box	\Box	\Box		 \Box	\Box		1
otal	4		1		2		1		1	1		1		2		13	total	

Causal agents (large) of fatal accidents in traveling service 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) agents
machine																									machine
crane, conveying machine	4			1				1						1							1			8	crane, conveying machine
other equipment																									other equipment
temporary buildings, establishments															1			1						2	temporary buildings, establishments
substance, material																									substance, material
load																									load
environment																									environment
others								1			1										1			3	others
total	4			1				2			1			1	1			1			2			13	total

Causal agents (middle) of fatal accidents in traveling service 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																									engine
power transmission mechanism																									power transmission mechanism
woodworking machine																									woodworking machine
construction machine																									construction machine
metal manufacturing machine																									metal manufacturing machine
general machine																									general machine
mobile silviculture machine																									mobile silviculture machine
crane																									crane
conveying machine	1							1						1										3	conveying machine
vehicle	3			1																	1			5	vehicle
pressure vessel																									pressure vessel
chemical facilities																									chemical

															facilities
welding equipment															welding
meraning equipment															equipment
kiln, caldron															kiln, caldron
electric equipment															electric
															equipment
human power machine,															human power
tools															machine, tools
tools															tools
other equipments,															other
facilities															equipments,
															facilities
temporary buildings,															temporary
establishments								1		1				2	buildings,
															establishments
hazards, harmful															hazards,
substances															harmful substances
materials															materials
load															load .
natural environment															natural
															environment
other causal agent												1		1	other causal
															agent

no causal agent					1		1									2	no causal agent
unclassifiable																	unclassifiable
total	4		1		2		1		1	1		1		2		13	total

Causal agents (small) of fatal accidents in traveling service 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																									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													other woodworking
leveling,												$\vdash\vdash$	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

other metal													other metal
manufacturing													manufacturing
machines													machines
centrifugal machine													centrifugal machine
mixer, grinder													mixer, grinder
roll machine (except													roll machine (except
printingroll													printingroll
machine)													machine)
injection molding													injection molding
machine													machine
food manufacturing													food manufacturing
machine													machine
printing machine													printing machine
industrial robot													industrial robot
other general													other general
power machines													power machines
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
derrick crane															derrick crane
elevator, lift															elevator, lift
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			1						3	truck
forklift															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															conveying machines
cars, bus,	3		1									1		5	cars, bus,
motorcycle			'									'			motorcycle

1	 												
railway vehicle													railway vehicle
other vehicles													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														ladder
slinging tool														slinging tool
other tools														other tools
other equipment,														other equipment,
facilities														facilities
scaffolding														scaffolding
timbering														timbering
stairs, landing stage								1					1	stairs, landing stage
opening														opening
roof, beam, haze,														roof, beam, haze,
crossbeam,														crossbeam,
principal rafter														principal rafter
working platform,														working platform,
boot board														boot board
passage														passage
building,										1			1	building,
establishment										ľ				establishment
other temporary														other temporary
buildings,														buildings,

establishments													establishments
explosive substance													explosive substance
inflammable													inflammable
substance													substance
inflammable gas													inflammable gas
harmful substance													harmful substance
radiation													radiation
other hazards,													other hazards,
harmful substances													harmful substances
metal material													metal material
lumber, bamboo													lumber, bamboo
stone, sand,													stone, sand,
substance													substance
other materials													other materials
load													load
machine/equipment													machine/equipment
as load													as load
natural ground,													natural ground,
rock													rock
standing tree													standing tree
water													water
abnormal													abnormal
environment													environment
high/cold													high/cold

temperature																	temperature
environment																	environment
other environments																	other environments
other causal agent														1		1	other causal agent
no causal agent					1		1									2	no causal agent
unclassifiable																	unclassifiable
total	4		1		2		1		1	1		1		2		13	total

Workers age of fatal accidents in traveling 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	2							1																3	20-29
30-39				1				1			1			1				1			1			6	30-39
40-49	1																				1			2	40-49
50-59																									50-59
60 years old or	1														1									2	60 years old or
more															'									I I	more
total	4			1				2			1			1	1			1			2			13	total

Workers' number of workplace of fatal accidents in traveling 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	7019		total	Workers scale

9 workers or less	1				1				1			1		2		6	9 workers or less
10-29	1		1				1									3	10-29
30-49	1															1	30-49
50-99	1				1					1						3	50-99
100-299																	100-299
300 workers or																	300 workers or
more																	more
total	4		1		2		1		1	1		1		2		13	total

Month of fatal accidents in traveling 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	1													1										2	January
February																									February
March																									March
April																									April
May								1										1						2	May
June																									June
July											1										1			2	July
August	2																							2	August
September	1																							1	September
October								1																1	October
November				1											1						1			3	November

December																	December	
total	4		1		2		1		1	1		1		2		13	total	

Prefecture of fatal accidents in traveling 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	1			1																				2	Hokkaido
Aomori																									Aomori
lwate																									lwate
Miyagi																									Miyagi
Akita																									Akita
Yamagata																									Yamagata
Fukushima																									Fukushima
Ibaraki								1																1	Ibaraki
Tochigi																									Tochigi
Gunma																									Gunma
Saitama																									Saitama
Chiba																									Chiba
Tokyo											1				1									2	Tokyo
Kanagawa																									Kanagawa
Niigata																									Niigata
Toyama																									Toyama
Ishikawa																									Ishikawa

Fukui															Fukui
Yamanashi															Yamanashi
Nagano	1													1	Nagano
Gifu															Gifu
Shizuoka															Shizuoka
Aichi										1		1		2	Aichi
Mie															Mie
Shiga															Shiga
Kyoto															Kyoto
Osaka															Osaka
Hyogo															Hyogo
Nara															Nara
Wakayama					1									1	Wakayama
Tottori	1													1	Tottori
Shimane															Shimane
Okayama															Okayama
Hiroshima															Hiroshima
Yamaguchi															Yamaguch
Tokushima															Tokushima
Kagawa															Kagawa
Ehime															Ehime
Kochi															Kochi
Fukuoka								1						1	Fukuoka

Saga																Saga
Nagasaki																Nagasaki
Kumamoto																Kumamoto
Oita	1													1	2	Oita
Miyazaki																Miyazaki
Kagoshima																Kagoshima
Okinawa																Okinawa
total	4		1		2		1		1	1		1		2	13	total

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