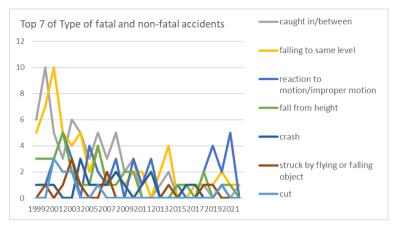
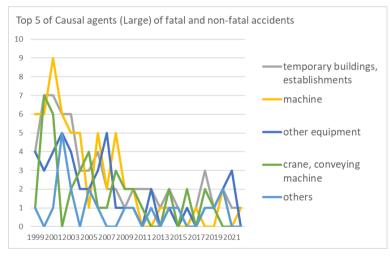
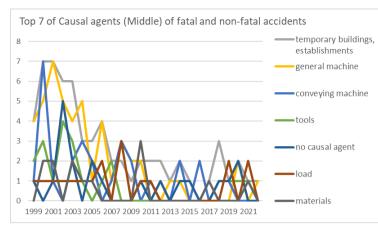
Transition of fatal and non-fatal accidents in 011704 tobacco products in Japan (1999-2022)



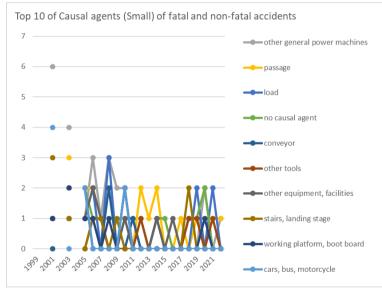
Transition of Top 7 of Type of fatal and non-fatal accidents in 011704 tobacco products in Japan (1999-2022)



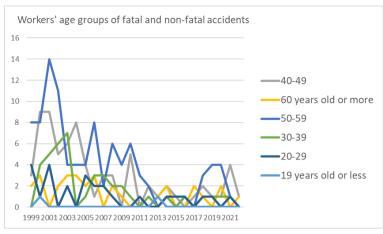
Transition of Top 5 of Causal agents (Large) of fatal and non-fatal accidents in 011704 tobacco products in Japan (1999-2022)



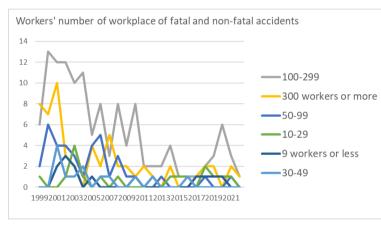
Transition of Top 7 of Causal agents (Middle) of fatal and non-fatal accidents in 011704 tobacco products in Japan (1999-2022)



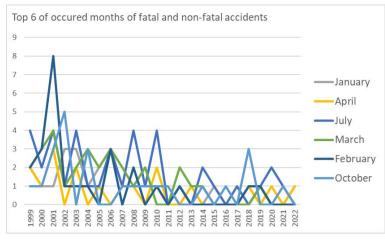
Transition of Top 10 of Causal agents (Small) of fatal and non-fatal accidents in 011704 tobacco products in Japan (1999-2022)



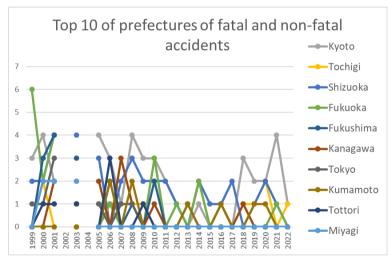
Transition of workers' age groups of fatal and non-fatal accidents in 011704 tobacco products in Japan (1999-2022)



Transition of workers' number of workplace of fatal and non-fatal accidents in 011704 tobacco products in Japan (1999-2022)



Transition of Top 6 of occured months of fatal and non-fatal accidents in 011704 tobacco products in Japan (1999-2022)



Transition of Top 10 of prefectures of fatal and non-fatal accidents in 011704 tobacco products in Japan (1999-2022)

Transition of Type of fatal and non-fatal accidents in 011704 tobacco products 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
caught in/between	6	10	5	3	6	5	3	5	3	5	2	3			1	2		1	1	1		1		1	64	caught in/between
falling to same level	5	7	10	5	4	5	2	4	1	2	1	2	2		2	4			1	1	1	2	1	1	63	falling to same

																								level
reaction to motion/improper motion	1	1	3	5	3		4	2	1	3		3	1	3		1			2	4	2	5	44	reaction to motion/improper motion
fall from height	3	3	3	5	2	1	1	4	1	1	2	2				1	1		2		1	1	34	fall from height
crash	1	1	1			3	1	1	1	2	1		1	2			1	1			1		18	crash
struck by flying or falling object		1		1	3	1			2						1				1	1			11	struck by flying or falling object
cut			3	2	2			1													1		9	cut
traffic accident (public road)			4				2					2											8	traffic accident (public road)
crashed by	1	1	2	1						1									1				7	crashed by
collapse		1		1	1															1			4	collapse
contact to high/low- temperature		1					1																2	contact to high/low- temperature
contact to harmful substance			1	1																			2	contact to harmful substance
electric shock									1														1	electric shock
others											1												1	others
unclassifiable					1																		1	unclassifiable
injury to the sole of the foot																								injury to the sole of the foot
drown																								drown

explosion																										explosion
burst																										burst
fire																										fire
traffic accident																										traffic accident
(others)																										(others)
total	17	26	32	24	22	15	14	17	10	14	7	12	4	5	3	7	2	3	3	8	7	8	7	2	269	total

Transition of Causal agents (Large) of fatal and non-fatal accidents in 011704 tobacco products 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
temporary buildings, establishments	4	7	7	6	6	3	3	4	2	2	1	2	2	2	1	2	1		1	3	1	2	1	1	64	temporary buildings, establishments
machine	6	6	9	6	5	5	1	5	2	5	2	2			1	1			1			2		1	60	machine
other equipment	4	3	4	5	4	2	2	3	5	1	1	1		2		1		1		1	1	2	3		46	other equipment
crane, conveying machine	1	7	6		2	3	4	1	1	3	2	2	1			2		2		2	1				40	crane, conveying machine
others	1		1	5	2		2	1			1	1		1		1	1			1	1	2			21	others
load	1	1	1	1	1	1	1	2		3		1	1								2		2		18	load
substance, material		2	3	1	2	1	1					3							1				1		15	substance, material
environment			1					1							1					1	1				5	environment

total

Transition of Causal agents (Middle) of fatal and non-fatal accidents in 011704 tobacco products 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
temporary buildings, establishments	4	7	7	6	6	3	3	4	2	2	1	2	2	2	1	2	1		1	3	1	2	1	1	64	temporary buildings, establishments
general machine	4	5	7	5	4	5	1	4	1	3	2	2			1	1						2		1	48	general machine
conveying machine	1	7	1		2	3	2		1	3	2		1			2		2		1	1				29	conveying machine
tools	2	3	1	4	3	1		1	2					1						1	1	1	1		22	tools
no causal agent	1		1	5	2		2	1				1		1		1	1			1	1	2			20	no causal agent
load	1	1	1	1	1	1	1	2		3		1	1								2		2		18	load
materials		2	2		2	1	1					3							1				1		13	materials
other equipments, facilities	2		1	1	1		1	2	1			1				1		1							12	other equipments, facilities
vehicle			5				2					2								1					10	vehicle
human power machine, tools			1			1	1		1	1	1			1								1	1		9	human power machine, tools
power transmission mechanism		1						1	1	2									1							power transmission

																	mechanism
natural environment		1				1				1			1	1		5	natural environment
woodworking machine		2	1													3	woodworking machine
metal manufacturing machine	2			1												3	metal manufacturing machine
electric equipment							1								1	2	electric equipment
hazards, harmful substances		1	1													2	hazards, harmful substances
rane						1										1	crane
oressure vessel		1														1	pressure vessel
other causal agent								1								1	other causal agent
engine																	engine
construction machine																	construction machine
mobile silviculture machine																	mobile silviculture machine
chemical facilities																	chemical facilities

welding equipment																										welding
weiding equipment																										equipment
kiln, caldron																										kiln, caldron
unclassifiable																										unclassifiable
total	17	26	32	24	22	15	14	17	10	14	7	12	4	5	3	7	2	3	3	8	7	8	7	2	269	total

Transition of Causal agents (Small) of fatal and non-fatal accidents in 011704 tobacco products 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 general power machines			6		4		1	3	1	3	2	2				1						2		1	26	other general power machines
passage					3		2	2	1					2	1	2			1		1	1	1	1	18	passage
load			1		1		1	2		3		1	1								2		2		14	load
no causal agent			1		2		2	1				1		1		1	1			1	1	2			14	no causal agent
conveyor					1		2			2			1			1				1	1				9	conveyor
other tools			1		2			1	1					1						1	1		1		9	other tools
other equipment, facilities			1		1		1	2	1			1				1		1							9	other equipment, facilities
stairs, landing stage			3		1			1	1		1									2					9	stairs, landing stage
working platform, boot board			1		2		1	1		1		2										1			9	working platform, boot board
cars, bus, motorcycle			4				2					2													8	cars, bus, motorcycle
forklift					1				1	1	2					1		1							7	forklift
human power			1				1		1	1	1											1	1		7	human power

hauling equipment																		hauling equipment
other materials			1	1				2					1			1	6	other materials
power transmission mechanism					1	1	2						1				5	power transmission mechanism
building, establishment		2							2								4	building, establishment
metal material		2	1					1									4	metal material
ladder			1			1									1		3	ladder
other temporary buildings, establishments		1					1				1						3	other temporary buildings, establishments
other environments		1			1					1							3	other environments
circular sawing machine		2															2	circular sawing machine
mixer, grinder		1			1												2	mixer, grinder
other vehicles		1												1			2	other vehicles
electric power facilities						1										1	2	electric power facilities
drill press, milling machine			1														1	drill press, milling machine
roll machine (except printingroll machine)										1							1	roll machine (except printingroll machine)
elevator, lift					1												1	elevator, lift
truck												1					1	truck

	 	=	 	 	 —	====		=	 	 	 	 		=	 		i
other powered conveying machines		1														1	other powered conveying machines
other pressure vessels		1														1	other pressure vessels
hand tool	 								1							1	hand tool
opening												1				1	opening
harmful substance		1														1	harmful substance
natural ground, rock												1				1	natural ground, rock
water													1			1	water
other causal agent							1									1	other causal agent
engine																	engine
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

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
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

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
derrick crane	derrick crane
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																CI	rane
railway equipment																ra	ailway equipment
loader																lc	oader
straddle carrier																st	traddle carrier
rough terrain hauler																ro	ough terrain hauler
railway vehicle																ra	ailway vehicle
boiler																b	ooiler
pressure vessel																р	oressure vessel
chemical facilities																cl	hemical facilities
gas welding																g	jas welding
equipment																e	equipment
arc welding																a	rc welding
equipment																e	equipment
other welding																0	other welding
equipment																e	equipment
kiln, caldron																k	iln, caldron
industrial dryer																ir	ndustrial dryer
other kiln, caldron																0	other kiln, caldron
transmission																tr	ransmission
other electrical																0	other electrical
equipment																e	equipment
human power																h	iuman power
cranes																С	ranes
human power																h	numan power

machine													machine
slinging tool													slinging 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
radiation													radiation
other hazards, harmful substances													other hazards, harmful substances
lumber, bamboo													lumber, bamboo
stone, sand, substance													stone, sand, substance
machine/equipment as load													machine/equipment as load
standing tree													standing tree
abnormal environment													abnormal environment
high/cold temperature													high/cold temperature

environment																										environment
unclassifiable																										unclassifiable
total	17	26	32	24	22	15	14	17	10	14	7	12	4	5	3	7	2	3	3	8	7	8	7	2	269	total

Transition of workers' age groups of fatal and non-fatal accidents in 011704 tobacco products 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
40-49	3	9	9	5	6	8	4	1	3	3		5		2	1	2	1		1	2	1	1	4	1	72	40-49
60 years old or more	2	3		2	3	3	2	3		2	1				1	2			2	1		2		1	30	60 years old or more
50-59	8	8	14	11	4	4	4	8	2	6	4	6	3	2		1		1		3	4	4	1		98	50-59
30-39		4	5	6	7		1	3	3	2	2	1		1		1		1		1	1	1	1		41	30-39
20-29	4	1	4		2		3	2	2	1			1			1	1	1		1	1		1		26	20-29
19 years old or less		1													1										2	19 years old or less
total	17	26	32	24	22	15	14	17	10	14	7	12	4	5	3	7	2	3	3	8	7	8	7	2	269	total

Transition of workers' number of workplace of fatal and non-fatal accidents in 011704 tobacco products 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
100-299	6	13	12	12	10	11	5	8	3	8	4	8	2	2	2	4	1	1	1	2	3	6	3	1	128	100-299
300 workers or	8	7	10	3	2		Δ	2	5	2	2	1	2	1		2			1	2	2		2	1	59	300 workers or
more	U I	/			2			2		2	2					2			•	2	2					more
50-99	2	6	4	4	3	1	4	5	1	3	1	1			1					1			1		38	50-99
10-29	1			1	4	1		1		1				1		1	1	1		2	1	1	1		18	10-29
9 workers or less			2	3	2		1					1							1	1	1	1			13	9 workers or less
30-49			4	1	1	2		1	1			1		1				1							13	30-49

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
January	2	1	1	3	3	1	2	3	1	1	1	1					1			1	1			1	24	January
April	2	1	3		2		1		1	1		2			1					1		1		1	17	April
July	4	2	4	1	4	1	1	3	1	4	1	4		1		2	1		1		1	2	1		39	July
March	2	3	4	1	2	3	2	3	2	1	2			2	1	1					1				30	March
February	2	3	8	1	1	1		3		2		1		1						1	1				25	February
October	1	1	3	5		3			1	1	1	1	1			1		1		3			1		24	October
November	1	3	1	2	2	1	1	3	1	1				1		1		1			2	1	1		23	November
May	1	3	5	2	2				1	1	1	1	2			1						2			22	May
June		1	2	4	3	3	2		1			1						1							18	June
September	1	2	1	1	1		3	1		1			1						1	1	1	1	1		17	September
August	1	4		3		2		1								1				1		1	2		16	August
December		2		1	2		2		1	1	1	1			1				1				1		14	December
total	17	26	32	24	22	15	14	17	10	14	7	12	4	5	3	7	2	3	3	8	7	8	7	2	269	total

Transition of occured months of fatal and non-fatal accidents in 011704 tobacco products in Japan (1999-2022)

Transition of prefectures of fatal and non-fatal accidents in 011704 tobacco products 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
Kyoto	3	4	2		2		4	3	1	4	3	3	2	1		1				3	2	2	4	1	45	Kyoto
Tochigi		2					1	1	1	1	1					2				1	1	2		1	14	Tochigi
Shizuoka	2	2	4		4		3		2	3	2	2	2	1		2	1	1	2		1	2	1		37	Shizuoka
Fukuoka	6	2	4					1				3		1		2							1		20	Fukuoka

Fukushima		3	4	3		2		1		2				1						16	Fukushima
Kanagawa			2	1	2		3	1		1						1				11	Kanagawa
Tokyo	1	1	3	1	1		1	1				1								10	Tokyo
Kumamoto						2		2				1		1			1	1		8	Kumamoto
Tottori		1	1	1		3			1											7	Tottori
Miyagi		2	2	2																6	Miyagi
Ibaraki		1	1			1		1									1		1	6	Ibaraki
Osaka	1		1		2		1						1							6	Osaka
Нуодо		1	1	1		1					1									5	Нуодо
Oita	1			1											1			1		4	Oita
Hokkaido	1		1		1															3	Hokkaido
Saitama	1						1									1				3	Saitama
Ishikawa		2		1																3	Ishikawa
Mie				1								1					1			3	Mie
Miyazaki			1			1										1				3	Miyazaki
Kagoshima				1							1					1				3	Kagoshima
lwate				1		1														2	lwate
Gifu						1				1										2	Gifu
Aichi	1	1																		2	Aichi
Wakayama		1	1																	2	Wakayama
Ehime		1	1																	2	Ehime
Okinawa			2																	2	Okinawa
Chiba			1																	1	Chiba

Nagano		1																							1	Nagano
Tokushima					1																				1	Tokushima
Kagawa					1																				1	Kagawa
Kochi		1																							1	Kochi
Aomori																										Aomori
Akita																										Akita
Yamagata																										Yamagata
Gunma																										Gunma
Niigata																										Niigata
Toyama																										Toyama
Fukui																										Fukui
Yamanashi																										Yamanashi
Shiga																										Shiga
Nara																										Nara
Shimane																										Shimane
Okayama																										Okayama
Hiroshima																										Hiroshima
Yamaguchi																										Yamaguchi
Saga																										Saga
Nagasaki																										Nagasaki
total	17	26	32	24	22	15	14	17	10	14	7	12	4	5	3	7	2	3	3	8	7	8	7	2	269	total

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