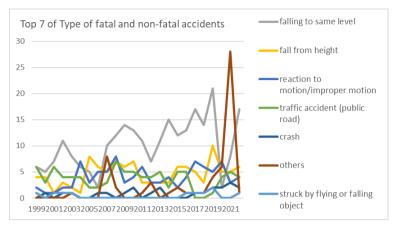
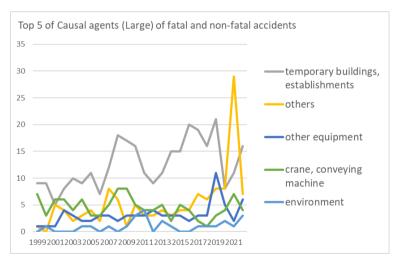
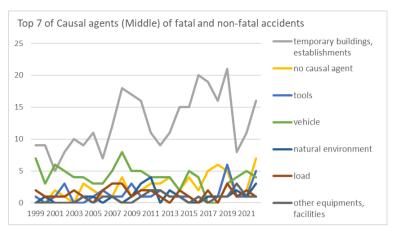
## Transition of fatal and non-fatal accidents in 120102 software service in Japan (1999-2022)



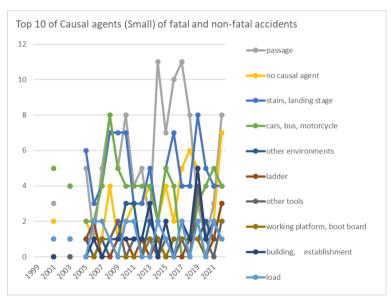
Transition of Top 7 of Type of fatal and non-fatal accidents in 120102 software service in Japan (1999-2022)



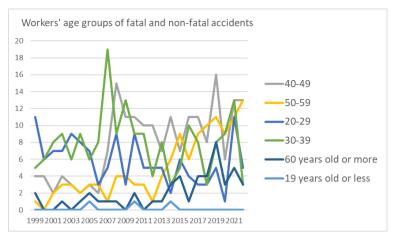
Transition of Top 5 of Causal agents (Large) of fatal and non-fatal accidents in 120102 software service in Japan (1999-2022)



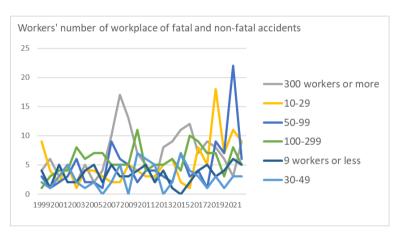
Transition of Top 7 of Causal agents (Middle) of fatal and non-fatal accidents in 120102 software service in Japan (1999-2022)



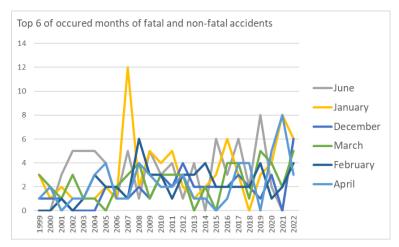
Transition of Top 10 of Causal agents (Small) of fatal and non-fatal accidents in 120102 software service in Japan (1999-2022)



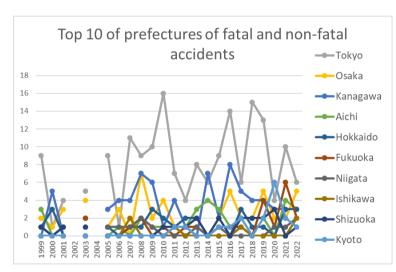
Transition of workers' age groups of fatal and non-fatal accidents in 120102 software service in Japan (1999-2022)



Transition of workers' number of workplace of fatal and non-fatal accidents in 120102 software service in Japan (1999-2022)



Transition of Top 6 of occured months of fatal and non-fatal accidents in 120102 software service in Japan (1999-2022)



Transition of Top 10 of prefectures of fatal and non-fatal accidents in 120102 software service in Japan (1999-2022)

Transition of Type of fatal and non-fatal accidents in 120102 software 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	6	5	7	11	8	6	5	2	10	12	14	13	11	7	11	15	12	13	17	14	21	2	8	17	247	falling to same level
fall from height	4	4	1	3	2	1	8	6	5	7	6	7	3	3	3	3	6	6	5	3	10	5	5	6	112	fall from height

reaction to																										reaction to
motion/improper	2	1	1	2	2	7	3	5	5	8	3	4	6	3	3	4	2	4	7	6	5	7	3	4	97	motion/improper
motion																										motion
traffic accident (public																										traffic accident
road)	6	3	6	4	4	4	2	2	3	7	5	5	4	4	5	2	5	5				4	5	4	90	(public road)
crash		1		1	1			1	1		1	2		1	2				1	1	2	2	3	2	22	crash
others					1				8	2			1	3		1	2	1	1	1	4	6	28	1	60	others
struck by flying or	_			_	_																			_	10	struck by flying
falling object	ı		1		'													1	1		2				10	or falling object
crashed by	1		1	2					1			1							1	1				1	9	crashed by
collapse						1				1			1									1		1	5	collapse
	_						1																		1.5	caught
caught in/between	ı		1			1	I				2	2	1		1				1				1		15	in/between
cut		2				1											2		1	1	1	1			9	cut
unclassifiable			1		1	1	2	1										1							7	unclassifiable
contact to high/low-																										contact to
												1				1									2	high/low-
temperature																										temperature
contact to harmful																										contact to
substance																	1				1				2	harmful
Substance																										substance
fire	2																								2	fire
traffic accident										_																traffic accident
(others)										<b> </b>															2	(others)
electric shock																	1								1	electric shock

injury to the sole of																										injury to the sole
the foot																										of the foot
drown																										drown
explosion																										explosion
burst																										burst
total	23	16	19	24	21	22	22	17	33	38	31	35	27	21	25	26	31	32	35	28	48	28	53	37	692	total

Transition of Causal agents (Large) of fatal and non-fatal accidents in 120102 software 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) agents
temporary buildings, establishments	9	9	5	8	10	9	11	7	12	18	17	16	11	9	11	15	15	20	19	16	21	8	11	16	303	temporary buildings, establishments
others	1		5	4	2	3	4	2	8	6	1	5	3	3	4	3	4	4	7	6	8	8	29	7	127	others
other equipment	1	1	1	4	3	2	2	3	3	2	3	3	3	4	3	3	3	2	3	3	11	5	2	6	76	other equipment
crane, conveying machine	7	3	6	6	4	6	3	3	5	8	8	5	4	4	5	2	5	4	2	1	3	4	7	4	109	crane, conveying machine
environment		1				1	1		1		1	3	4		2	1			1	1	1	2	1	3	24	environment
load	2	1	1	1	2	1		2	3	3	1	2	2	1		2	1		2		3	1	2	1	34	load
substance, material	2	1								1							1	2	1	1	1				10	substance, material
machine	1		1	1			1		1			1					2						1		9	machine
total	23	16	19	24	21	22	22	17	33	38	31	35	27	21	25	26	31	32	35	28	48	28	53	37	692	total

## Transition of Causal agents (Middle) of fatal and non-fatal accidents in 120102 software 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		Causal (M)
temporary buildings, establishments	9	9	5	8	10	9	11	7	12	18	17	16	11	9	11	15	15	20	19	16	21	8	11	16		temporary buildings, establishments
no causal agent			2	1		3	2	1	1	4	1	2	3	3	4	2	4	2	5	6	5	1	2	7	61	no causal agent
tools	1		1	3			1	2	1	1	3	1	1	2	1	1	1		1	1	6	1	1	5	35	tools
vehicle	7	3	6	5	4	4	3	3	5	8	5	5	4	4	4	2	5	4			3	4	5	4	97	vehicle
natural environment		1				1	1		1		1	3	4		2	1			1	1	1	2	1	3	24	natural environment
load	2	1	1	1	2	1		2	3	3	1	2	2	1		2	1		2		3	1	2	1	34	load
other equipments,						1		1	1			1	2	2	1	1		1		1	1	3	1	1		other equipments, facilities
other causal agent	1		3	2	1				7	1		3				1		1	2		3	6	27		58	other causal agent
human power machine, tools		1		1	3	1				1		1			1	1	1	1	2	1	3	1			19	human power
conveying machine				1		1					3								2	1			2		10	conveying machine
unclassifiable				1	1		2	1		1								1				1			8	unclassifiable
materials		1								1								2	1	1					6	materials

		1			L		JL	11		JL	 			 لـــــا	 	   <u> </u>	L		1		
general machine	1		1	1														1		4	general machine
																					hazards,
hazards, harmful	2													1		1					harmful
substances																					substances
woodworking machine							1							2						3	woodworking
							<u> </u>														machine
electric equipment									1					1		1				3	electric
																					equipment
crane						1							1							2	crane
																					power
power transmission											1									1	transmission
mechanism																					mechanism
																					construction
construction machine									1											1	machine
chemical facilities							1													1	chemical
																					facilities
engine																					engine
metal manufacturing																					metal
																					manufacturing
machine																					machine
																					mobile
mobile silviculture																					silviculture
machine																					machine
pressure vessel																					pressure vessel
F. 3334. C 7235C	<u> </u>	<u> </u>	<u> </u>		<u> </u>						 <u> </u>		<u> </u>	<u> </u>		E. CSSGIC VCSSCI					

wolding aguinment																										welding
welding equipment																										equipment
kiln, caldron																										kiln, caldron
total	23	16	19	24	21	22	22	17	33	38	31	35	27	21	25	26	31	32	35	28	48	28	53	37	692	total

Transition of Causal agents (Small) of fatal and non-fatal accidents in 120102 software service in Japan (1999-2022)

Causal (S) agents	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total	Causal (S) agents
passage			3		4		5	1	5	8	5	8	4	5	2	11	7	10	11	8	3	1	3	8	112	passage
no causal agent			2				2	1	1	4	1	2	3	3	4	2	4	2	5	6	5	1	2	7	57	no causal agent
stairs, landing stage			1		4		6	3	4	7	7	7	3	3	5	2	5	7	4	4	8	5	4	4	93	stairs, landing stage
cars, bus, motorcycle			5		4		2	2	4	8	5	4	4	4	4	2	5	4			3	4	5	4	73	cars, bus, motorcycle
other environments							1		1		1	3	3		2	1			1	1	1	2	1	3	21	other environments
ladder							1	2			1	1		1		1				1	2		1	3	14	ladder
other tools			1						1	1	2		1	1	1		1		1		4	1		2	17	other tools
working platform, boot board					1				1	1					1	1		1	1	1	1		2	2	13	working platform, boot board
building, establishment					1			1		1	1	1	1	1	3		2		2	1	5	1	2	1	24	building, establishment
load			1		1			2	2	1		2	2			2	1		2		2		2	1	21	load
other temporary buildings, establishments								2	2		4		3			1		2		2	2	1		1	20	other temporary buildings, establishments
other equipment,								1	1			1	2	2	1	1		1		1	1	3	1	1	17	other equipment,

facilities																					facilities
other causal agent		3	1			7	1		3			1		1	2		3	6	27	55	other causal agent
human power			3				1		1		1	1	1	1	2	1	2	1		15	human power hauling equipment
machine/equipment as load			1			1	2	1		1							1	1		8	machine/equipment as load
unclassifiable			1	2	1		1							1				1		7	unclassifiable
truck								1							2				2	5	truck
opening		1					1						1		1					4	opening
railway vehicle				1	1				1											3	railway vehicle
other materials														1	1	1				3	other materials
circular sawing machine													2							2	circular sawing machine
forklift								1								1				2	forklift
other vehicles		1				1														2	other vehicles
metal material							1							1						2	metal material
power transmission mechanism									1											1	power transmission mechanism
other woodworking machines				1																1	other woodworking machines
vehicle for high lift work						1														1	vehicle for high lift work
mixer, grinder		1																		1	mixer, grinder
other general																			1	1	other general

power machines														power machines
elevator, lift								1					1	elevator, lift
other powered conveying machines						1							1	other powered conveying machines
chemical facilities				1									1	chemical facilities
transmission											1		1	transmission
electric power facilities									1				1	electric power
other electrical equipment					1								1	other electrical equipment
hand tool											1		1	hand tool
scaffolding											1		1	scaffolding
roof, beam, haze, crossbeam, principal rafter											1		1	roof, beam, haze, crossbeam, principal rafter
harmful substance											1		1	harmful substance
other hazards, harmful substances									1				1	other hazards, harmful substances
high/cold temperature environment							1						1	high/cold temperature environment
engine														engine
band sawing machine														band sawing 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
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
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

	 		 	 	 	$\sqsubseteq$	 	 	 	 	 	 $\Box$	 	 <u> </u>
forging pressure														forging pressure
hammer		_												hammer
shearing machine														shearing machine
other metal														other metal
manufacturing														manufacturing
machines														machines
centrifugal machine														centrifugal machine
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
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													l	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														crane
railway equipment														railway equipment
conveyor														conveyor
loader														loader
straddle carrier														straddle carrier
rough terrain hauler													ı	rough terrain hauler
boiler														boiler
pressure vessel													ı	pressure vessel
other pressure														other pressure
vessels														vessels
gas welding													Ġ	gas welding
equipment														equipment
arc welding													a la	arc welding
equipment														equipment

	 _	 !	=	$\sqsubseteq$	 =	$\sqsubseteq$	 إــــــا	$\sqsubseteq$	إــــــا		$\square$	$\sqsubseteq$	 $\sqsubseteq$	$\sqsubseteq$	 <u> </u>	
other welding															C	other welding
equipment															E	equipment
kiln, caldron															ŀ	kiln, caldron
industrial dryer															l	ndustrial dryer
other kiln, caldron															(	other kiln, caldron
human power															ŀ	numan power
cranes																cranes
human power															ŀ	numan power
machine															r	machine
slinging tool																slinging tool
timbering															t	timbering
explosive substance															E	explosive substance
inflammable															i	nflammable
substance															s	substance
inflammable gas															l	nflammable gas
radiation															r	radiation
lumber, bamboo															I	umber, bamboo
stone, sand,															5	stone, sand,
substance															s	substance
natural ground,															r	natural ground,
rock															r	rock
standing tree																standing tree
water																water
abnormal															ā	abnormal

envi	ronment																										environment
total	I	23	16	19	24	21	22	22	17	33	38	31	35	27	21	25	26	31	32	35	28	48	28	53	37	692	total

Transition of workers' age groups of fatal and non-fatal accidents in 120102 software 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
40-49	4	4	2	4	3	2	3	2	7	15	11	11	10	10	7	11	7	11	11	8	16	6	13	13	191	40-49
50-59	1		2	3	3	2	3	3	1	4	4	3	3	1	4	6	9	6	9	10	11	9	11	13	121	50-59
20-29	11	6	7	7	9	8	7	3	5	9	3	9	5	5	5	2	6	4	3	3	5	1	11	5	139	20-29
30-39	5	6	8	9	6	9	6	8	19	9	13	9	9	4	8	3	5	10	8	3	8	9	13	3	190	30-39
60 years old or more	2			1		1	2	1	1	1		2		1	1	3	4	1	4	4	8	3	5	3	48	60 years old or more
19 years old or less							1					1				1									3	19 years old or less
total	23	16	19	24	21	22	22	17	33	38	31	35	27	21	25	26	31	32	35	28	48	28	53	37	692	total

Transition of workers' number of workplace of fatal and non-fatal accidents in 120102 software 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	4	6	3	5	2	5	2	4	10	17	13	7	5	2	8	9	11	12	7	9	8	6	3	9	167	300 workers or
more	•				_			•			.5	,						-	,						107	more
10-29	9	4	2	5	1	4	4	3	2	2	5	4	3	3	5	6	2	1	8	5	18	7	11	9	123	10-29
50-99	3	1	2	3	6	2	2	1	9	6	5	2	4	4	3	2	7	3	4	1	9	7	22	6	114	50-99
100-299	1	3	4	4	8	6	7	7	5	5	5	11	4	5	5	6	4	10	9	7	7	3	8	5	139	100-299
9 workers or less	4	1	5	2	2	4	5	2	5	3	3	4	5	2	4	1		2	4	5	3	4	6	5	81	9 workers or less
30-49	2	1	3	5	2	1	2		2	5		7	6	5		2	7	4	3	1	3	1	3	3	68	30-49
total	23	16	19	24	21	22	22	17	33	38	31	35	27	21	25	26	31	32	35	28	48	28	53	37	692	total

## Transition of occured months of fatal and non-fatal accidents in 120102 software 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
June			3	5	5	5	4	1	5	1	5	3	4	1	4		6	3	6	2	8	2		6	79	June
January	3	1	2	1	1	1	2	1	12	2	5	4	5	2	1	2	3	6	3		3	4	8	6	78	January
December	1	1	1				2	2	1	2	1	3	2	4	2	2	2	2	3	2	1	3		6	43	December
March	3	2	1	3	1	1		2	3	4	1	3	3	3		2		4	4	1	5	4	2	5	57	March
February			1		1	3	2	2	1	6	3	3	1	3	3	4	2	2	2	2	4	1	2	4	52	February
April	1	2		1	1	3	4	1	1	4	3	2	2	3	1	1		1	4	4		5	8	3	55	April
July	3	1	1	3	4	2	3			3	3	8	1		3	5	4	3		3	5	1	7	2	65	July
October	4	1	1	1	3	1	1	4	2	2	1	1	3		1	2		4	2	5	7	2	2	2	52	October
November	2	4		4	1				1	4	4	2	1		5	2	5	2	5	2	4	1	1	2	52	November
August	2		3	1	2	1		3	3	4	3	4	2	2		1	2	1	2	4	4	2	16	1	63	August
May	4	4	4	2	1	3	2	1	3	2	1	2	2	3	2	3	3	2	1	2	3	2	6		58	May
September			2	3	1	2	2		1	4	1		1		3	2	4	2	3	1	4	1	1		38	September
total	23	16	19	24	21	22	22	17	33	38	31	35	27	21	25	26	31	32	35	28	48	28	53	37	692	total

## Transition of prefectures of fatal and non-fatal accidents in 120102 software 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	9	1	4		5		9	1	11	9	10	16	7	4	8	6	9	14	6	15	13	4	10	6	177	Tokyo
Osaka	2	1	3		4		1	3		7	2	4	1		1		2	5	2	2	5	2	2	5	54	Osaka
Kanagawa		5			2		3	4	4	7	6	1	4	1		7	2	8	5	4	4	3	3	3	76	Kanagawa
Aichi	3				1			1		2	1	1	1	1	3	4	3	1	2	2	2		4	3	35	Aichi

Hokkaido	1	3			1		1	1	3	2	1	2	2				3	1	1		3	3	28	Hokkaido
Fukuoka			1	2			1	2		1		1	1		1	1	1		4	1	6	2	25	Fukuoka
Niigata	1				1	1	1	2	1				1		1					1	1	2	13	Niigata
Ishikawa							2				1						1					2	6	Ishikawa
Shizuoka	1		1	1						1	1	1	2		2		2	2	2	3		1	20	Shizuoka
Kyoto											1	1			1	1	2		2	6	2	1	17	Kyoto
Nagano		1	1	1				1		1			1	1	3		1			2		1	14	Nagano
Yamaguchi															1						9	1	11	Yamaguchi
Miyagi						1				2	2			1							2	1	9	Miyagi
Kagoshima				2				1			1				1		2					1	8	Kagoshima
Oita		1				1			1								2			1		1	7	Oita
Miyazaki													1		1				1		3	1	7	Miyazaki
Akita	2							1				1										1	5	Akita
Gunma	1						1				1									1		1	5	Gunma
Kumamoto			1					1	1				1									1	5	Kumamoto
Hyogo					1	1	8	1	2			3		3			1	2	6	2			30	Hyogo
Saitama	2			1	1	1	1	1	2				1				2		1	1	2		16	Saitama
Aomori					1	1					3								1		2		8	Aomori
Chiba		1								2		1			1		1		2				8	Chiba
Hiroshima			1							1		1		1		1			1				6	Hiroshima
Ibaraki		1	1				1					1				1							5	Ibaraki
Tochigi			1							1			1								2		5	Tochigi
Toyama	1						2				1	1											5	Toyama

Shiga			2								1	1		1											5	Shiga
Ehime			1				1								1	2									5	Ehime
Fukui								1				1							1				1		4	Fukui
Okayama			1										1			1					1				4	Okayama
lwate							1						1		1										3	lwate
Fukushima					1									1									1		3	Fukushima
Tottori											1								1			1			3	Tottori
Kagawa																	2				1				3	Kagawa
Mie			1				1																		2	Mie
Nara		1								1															2	Nara
Tokushima					1												1								2	Tokushima
Kochi							1	1																	2	Kochi
Gifu										1															1	Gifu
Shimane		1																							1	Shimane
Nagasaki																					1				1	Nagasaki
Yamagata																										Yamagata
Yamanashi																										Yamanashi
Wakayama																										Wakayama
Saga																										Saga
Okinawa																										Okinawa
total	23	16	19	24	21	22	22	17	33	38	31	35	27	21	25	26	31	32	35	28	48	28	53	37	692	total

 ${\sf Data\ Source: \underline{https://anzeninfo.mhlw.go.jp/user/anzen/tok/anst00.html\ MHLW, Jaan}}$ 

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