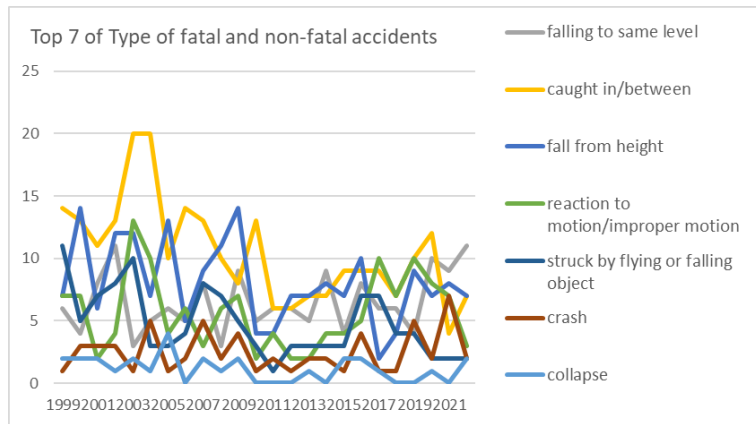
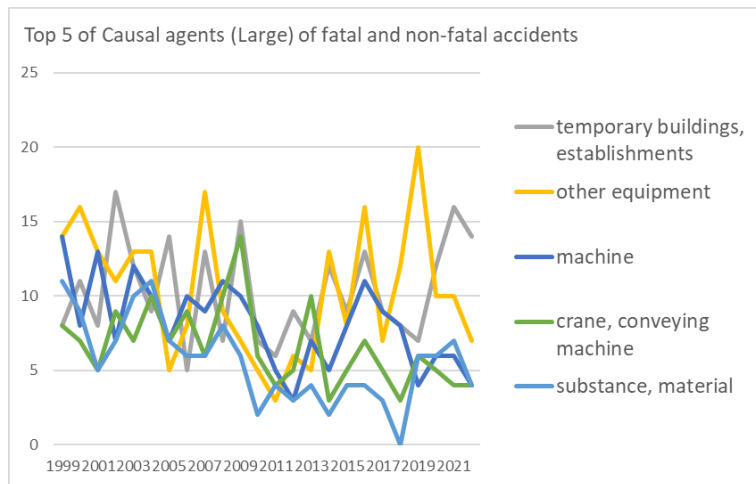


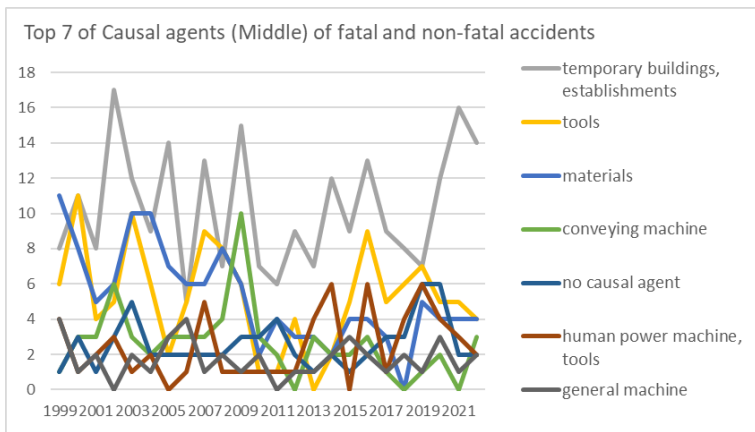
Transition of fatal and non-fatal accidents in 011503 railway vehicle products in Japan (1999-2022)



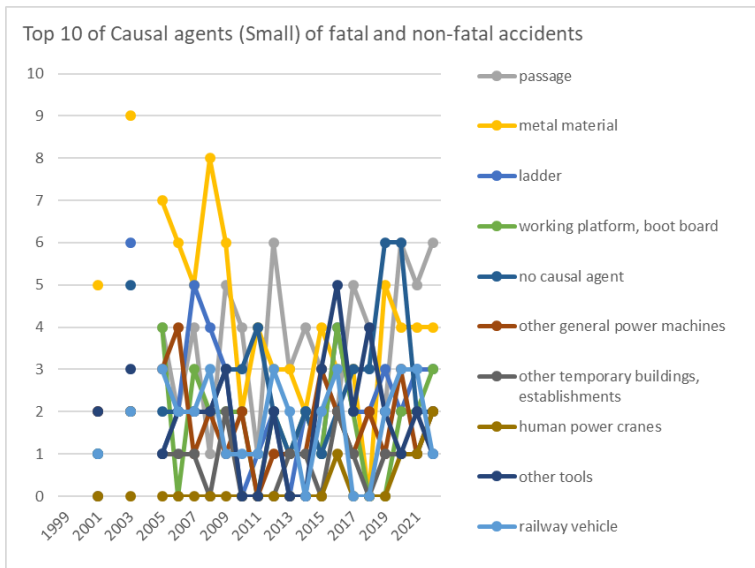
Transition of Top 7 of Type of fatal and non-fatal accidents in 011503 railway vehicle products in Japan (1999-2022)



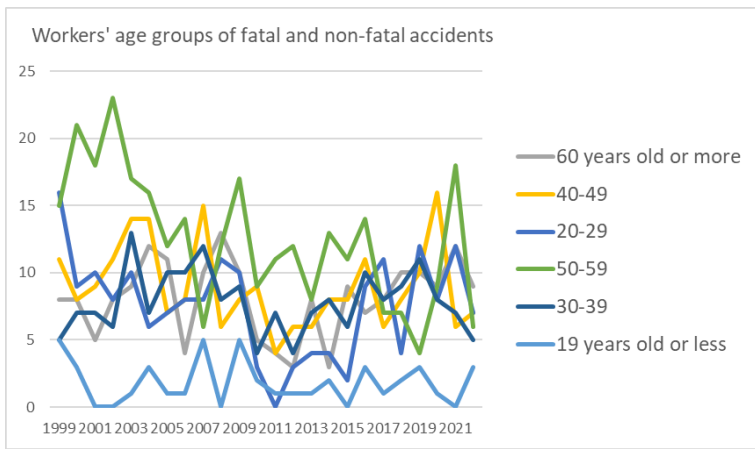
Transition of Top 5 of Causal agents (Large) of fatal and non-fatal accidents in 011503 railway vehicle products in Japan (1999-2022)



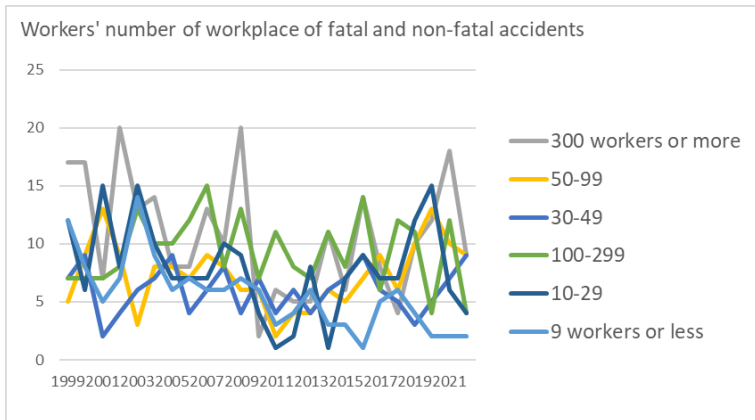
Transition of Top 7 of Causal agents (Middle) of fatal and non-fatal accidents in 011503 railway vehicle products in Japan (1999-2022)



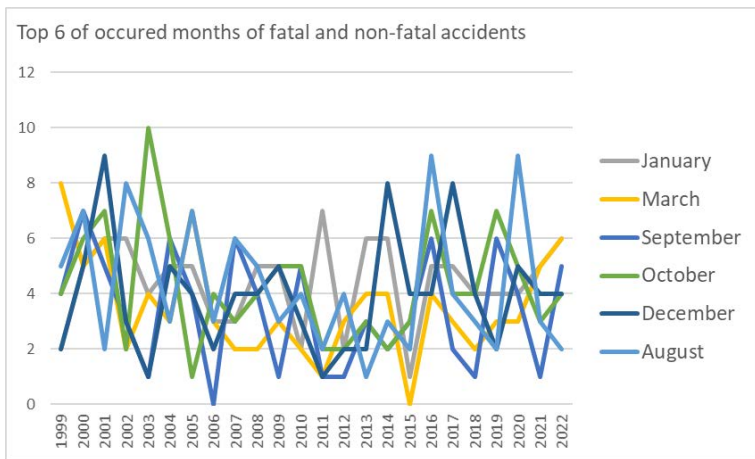
Transition of Top 10 of Causal agents (Small) of fatal and non-fatal accidents in 011503 railway vehicle products in Japan (1999-2022)



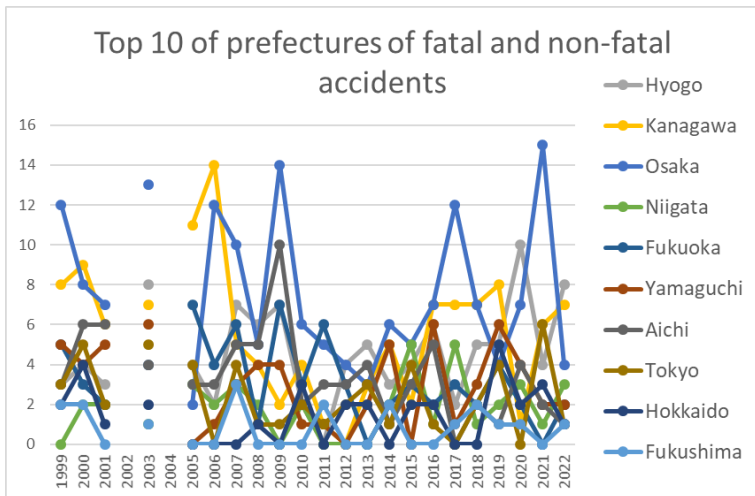
Transition of workers' age groups of fatal and non-fatal accidents in 011503 railway vehicle products in Japan (1999-2022)



Transition of workers' number of workplace of fatal and non-fatal accidents in 011503 railway vehicle products in Japan (1999-2022)



Transition of Top 6 of occurred months of fatal and non-fatal accidents in 011503 railway vehicle products in Japan (1999-2022)



Transition of Top 10 of prefectures of fatal and non-fatal accidents in 011503 railway vehicle products in Japan (1999-2022)

Transition of Type of fatal and non-fatal accidents in 011503 railway vehicle 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
falling to same level	6	4	8	11	3	5	6	5	8	3	9	5	6	6	5	9	4	8	6	6	4	10	9	11	157	falling to same level
caught in/between	14	13	11	13	20	20	10	14	13	10	8	13	6	6	7	7	9	9	9	7	10	12	4	7	252	caught

Transition of Causal agents (Middle) of fatal and non-fatal accidents in 011503 railway vehicle 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	8	11	8	17	12	9	14	5	13	7	15	7	6	9	7	12	9	13	9	8	7	12	16	14	248	temporary buildings, establishments
tools	6	11	4	5	10	6	2	5	9	8	6	1	1	4		2	5	9	5	6	7	5	5	4	126	tools
materials	11	8	5	6	10	10	7	6	6	8	6	2	4	3	3	2	4	4	3		5	4	4	4	125	materials
conveying machine	1	3	3	6	3	2	3	3	3	4	10	3	2		3	2	2	3	1		1	2		3	63	conveying machine
no causal agent	1	3	1	3	5	2	2	2	2	2	3	3	4	2	1	2	1	2	3	3	6	6	2	2	63	no causal agent
human power machine, tools	4	1	2	3	1	2		1	5	1	1	1	1	1	4	6		6	1	4	6	4	3	2	60	human power machine, tools
general machine	4	1	2		2	1	3	4	1	2	1	2		1	1	2	3	2	1	2	1	3	1	2	42	general machine
metal manufacturing machine	10	7	11	7	9	8	4	4	6	8	8	5	4	2	5	2	5	9	7	5	2	3	5	1	137	metal manufacturing machine
vehicle	5	2	1	1	2	4	3	2	3	3	1	1	1	3	3		3	4		2	2	3	3	1	53	vehicle
other equipments, facilities	4	2	5	3	1	3	1	1	1			2	1	1	1	3	3	1	1		5		1	1	41	other equipments, facilities
load	2	1	4	2	4	1	4	2	2	3	3						1	1	4	1		3	1	1	40	load

natural environment								1			1	1	1					1	4	1	3		1	15	natural environment	
engine																							1	1	engine	
crane	2	2	1	2	2	4	1	4		3	3	2	1	2	4	1			4	1	3		1		43	crane
other causal agent	1	1				1	2	2			1									1			9		18	other causal agent
welding equipment		1	1			1	2					1								1		1			12	welding equipment
hazards, harmful substances		1		1		1									1						1	2	3		10	hazards, harmful substances
woodworking machine								1	1	1	1		1							1	1				9	woodworking machine
electric equipment		1			1	1		1												1	2		1		8	electric equipment
power transmission mechanism					1	1		1	1			1							1						6	power transmission mechanism
unclassifiable	1				1	1		1																	4	unclassifiable
pressure vessel			1																						1	pressure vessel
construction machine																										construction machine
mobile silviculture machine																										mobile silviculture machine

building, establishment			2		1		1	1	2	2	4		2			2			1		1	3	1	23	building, establishment	
power press					1		2		1	2		1	2		2		2	1	1		1	2	2	1	21	power press
truck			1		1		1			2	4	1			2	1			1					1	15	truck
forklift							1	1	3	1	3		1				1	1					1	1	14	forklift
opening			1				2		1		1				1	1		1		1	1	1		1	12	opening
machine/equipment as load			2				1		1	2	1						1					2	1	1	12	machine/equipment as load
high/cold temperature environment																			1	2	1	3		1	9	high/cold temperature environment
conveyor					2							1												1	4	conveyor
engine																								1	1	engine
hand tool			2		1			1	3	1			1	1	1	3		5	1	4	4	3	2		33	hand tool
other metal manufacturing machines			2		3		2	3		3	4	1	1	1	1		2	2		2			1		28	other metal manufacturing machines
crane			1		2		1	3		3	3	1	1	1	4	1			4	1	1		1		28	crane
grinding machine, buffing machine			3		2				1	1	2	1	1		1	2		3	4		1	1	2		25	grinding machine, buffing machine
load			2		4		3	2	1	1	2					1		4	1		1			22	load	
lathe			3		2				2	2							1	3	1	1					15	lathe
scaffolding					2		1		1		1		1			2	2	1			2		2		15	scaffolding
other causal agent							2	2			1								1				9		15	other causal agent

slinging tool			1		1			1	2	2		1					1		1		2	2			14	slinging tool
other powered conveying machines			1				1			1	3	1				1		2			1	1			12	other powered conveying machines
human power hauling equipment									2		1	1			3	3					2				12	human power hauling equipment
drill press, milling machine			2						1		1	2		1	1						1	1			10	drill press, milling machine
railway equipment			1					2					1		1		1								6	railway equipment
cars, bus, motorcycle									1					1		1	1				2				6	cars, bus, motorcycle
other environments									1				1	1		1					2				6	other environments
power transmission mechanism					1			1	1			1									1				5	power transmission mechanism
circular sawing machine								1		1	1					1						1			5	circular sawing machine
shearing machine			1		1			1			1										1				5	shearing machine
arc welding equipment			1				1									2						1			5	arc welding equipment
other welding equipment																							1		4	other welding equipment
other hazards, harmful substances															1							1	1	1	4	other hazards, harmful substances
other powered crane								1														1			3	other powered crane
harmful substance																						1	2		3	harmful substance

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	5	6	6	4	5	5	3	3	5	5	2	7	2	6	6	1	5	5	4	4	4	5	6	106	January
March	8	5	6	2	4	3	7	3	2	2	3	2	1	3	4	4		4	3	2	3	3	5	6	85	March
September	4	7	5	3	1	6	4		6	4	1	5	1	1	3	2	3	6	2	1	6	4	1	5	81	September
October	4	6	7	2	10	6	1	4	3	4	5	5	2	2	3	2	3	7	4	4	7	5	3	4	103	October
December	2	5	9	3	1	5	4	2	4	4	5	3	1	2	2	8	4	4	8	4	2	5	4	4	95	December
August	5	7	2	8	6	3	7	3	6	5	3	4	2	4	1	3	2	9	4	3	2	9	3	2	103	August
June	6	4	4	1	5	4	3	6	3	3	11	2	3	4	5		4	4	3	5	5	6	4	2	97	June
November	7	1	1	5	11	7	4	4	6	7	5	3	4		3		7	3	1	5	5	1	4	2	96	November
July	4	6		7	5	2	3	5	4	7	5		2	2	2	5	4	3	6	4	3	6	6	2	93	July
April	7	2	1	7	5	6	3	4	5		8	1	1	3	1	2	3	2	1	3	5	5	12	2	89	April
May	5	4	3	2	7	5	3	6	7	3	5	3	1	1	1	4	4	3	2	2	4	3	2	2	82	May
February	6	4	5	10	5	6	4	5	7	6	3	2	2	5	3	2	1	4	2	3	4		6		95	February
total	60	56	49	56	64	58	48	45	56	50	59	32	27	29	34	38	36	54	41	40	50	51	55	37	1,125	total

Transition of prefectures of fatal and non-fatal accidents in 011503 railway vehicle 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
Hyogo	3	4	3		8		4	2	7	6	7	2		4	5	3	4	6	2	5	5	10	4	8	102	Hyogo
Kanagawa	8	9	6		7		11	14	5	4	2	4	1		3	5	2	7	7	7	8	1	6	7	124	Kanagawa
Osaka	12	8	7		13		2	12	10	5	14	6	5	4	3	6	5	7	12	7	4	7	15	4	168	Osaka
Niigata		2	2		1		3	2	3	2		2				2	5	1	5	1	2	3	1	3	40	Niigata
Fukuoka	5	3	2		4		7	4	6	1	7	3	6	3		2	3	2	3	2	4	2		2	71	Fukuoka
Yamaguchi	5	4	5		6			1	3	4	4	1	1		2	5		6	1	3	6	4	2	2	65	Yamaguchi
Aichi	3	6	6		4		3	3	5	5	10	2	3	3	4	1	3	5		2	1	4	2	1	76	Aichi

Tokyo	3	5	2		5		4		4	1	1	2	1	2	3	1	4	1		2	4		6	1	52	Tokyo
Hokkaido	2	4	1		2					1		3		2	2		2	2			5	2	3	1	32	Hokkaido
Fukushima	2	2			1				3				2			2			1	2	1	1		1	18	Fukushima
Shizuoka			2		1		1	1			1				2	2	3		1		1	1	1	1	17	Shizuoka
Miyagi	3						2	1	2	2				1	1					1		1		1	15	Miyagi
Akita			2		1		2	1	1	1						1		1	1	1	1		2	1	15	Akita
Ibaraki		2	1				1				1	2		1	2						2	1	1	1	15	Ibaraki
Gifu	2	1	3							2								1						1	10	Gifu
Kochi																	3		1		1		1	1	6	Kochi
Kumamoto																								1	1	Kumamoto
Saitama		2	4		5		4		3	3	3	2	1	1	2	3	1	2	1	1	4	7	1		50	Saitama
Kagawa	1	2			1		2	1		3	1	2	1	2	2	1		1		2	1		2		25	Kagawa
Hiroshima	1		1					1		3	1			1	1			1	3	1	1		1		16	Hiroshima
Tottori					1					1	2		1	1	1	2						1	1		11	Tottori
Nara		1						1	2		2				1			1					2		10	Nara
Gunma	1										1				1		1	2		1			2		9	Gunma
Nagano	2									1			2	1			1	1	1						9	Nagano
Okayama											1	1	1	1		1			2			1	1		9	Okayama
Mie	1		2					1		1								1			1				7	Mie
Ishikawa	2				1					1			1				1								6	Ishikawa
Shiga	2				1		1						1		1										6	Shiga
Wakayama										1				1		1					1	1			5	Wakayama
Chiba									2								1					1			4	Chiba

