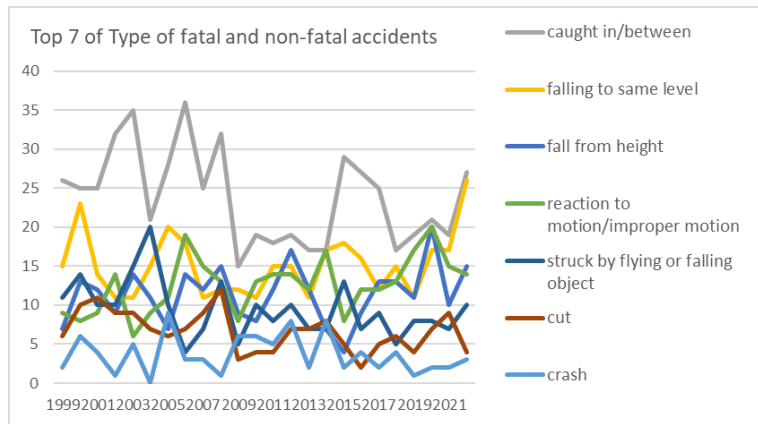
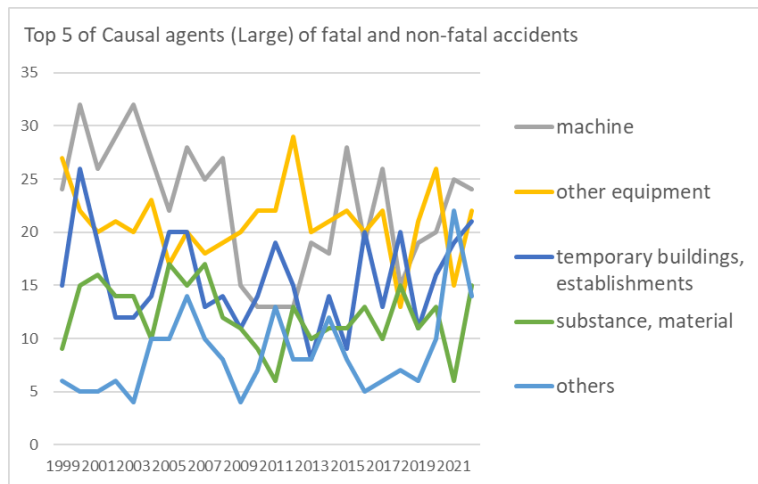


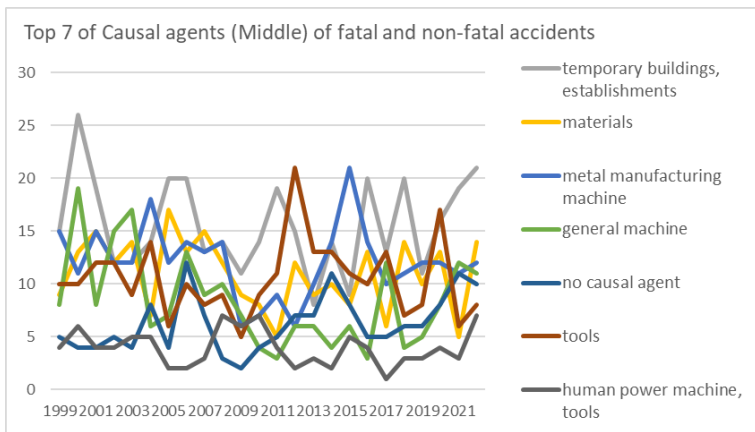
Transition of fatal and non-fatal accidents in 011401 heavy electrical equipment in Japan (1999-2022)



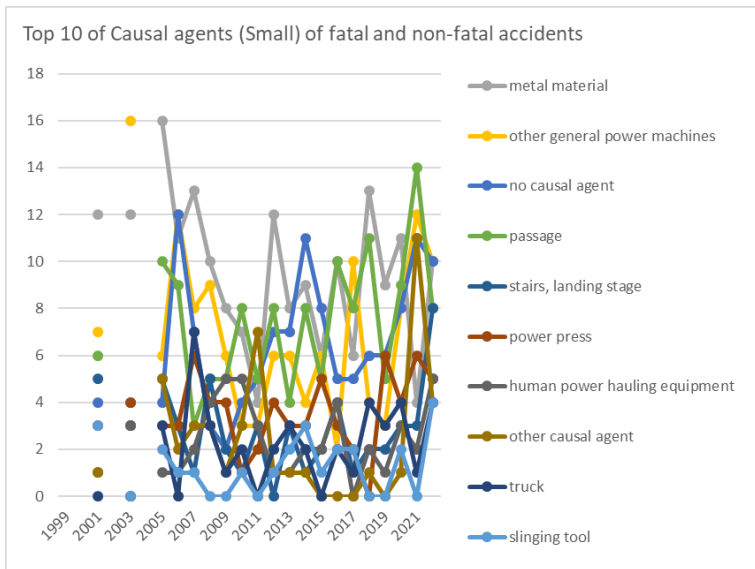
Transition of Top 7 of Type of fatal and non-fatal accidents in 011401 heavy electrical equipment in Japan (1999-2022)



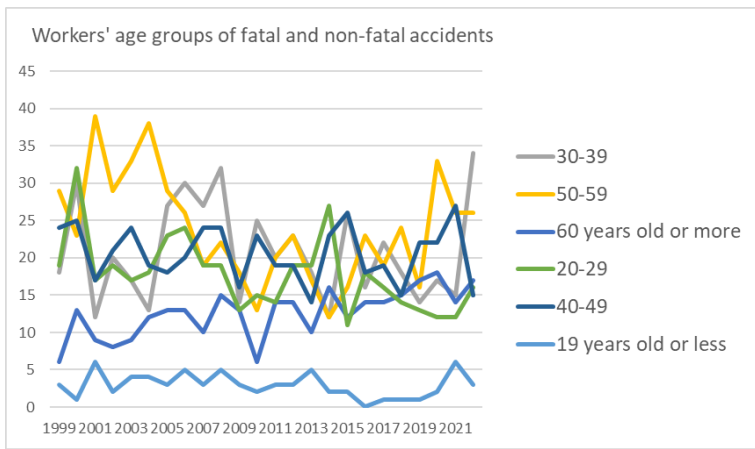
Transition of Top 5 of Causal agents (Large) of fatal and non-fatal accidents in 011401 heavy electrical equipment in Japan (1999-2022)



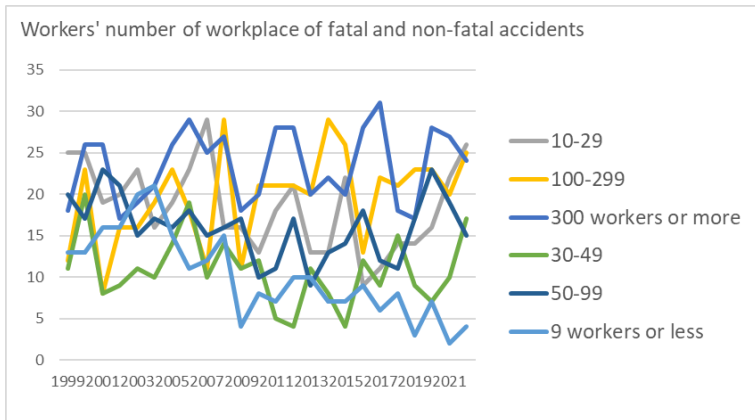
Transition of Top 7 of Causal agents (Middle) of fatal and non-fatal accidents in 011401 heavy electrical equipment in Japan (1999-2022)



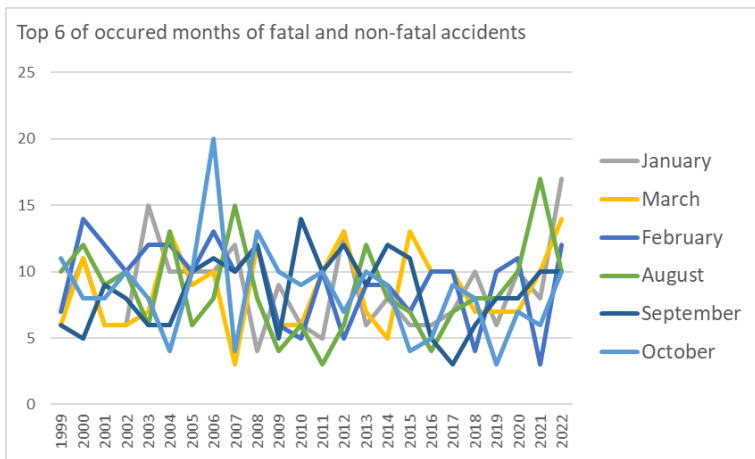
Transition of Top 10 of Causal agents (Small) of fatal and non-fatal accidents in 011401 heavy electrical equipment in Japan (1999-2022)



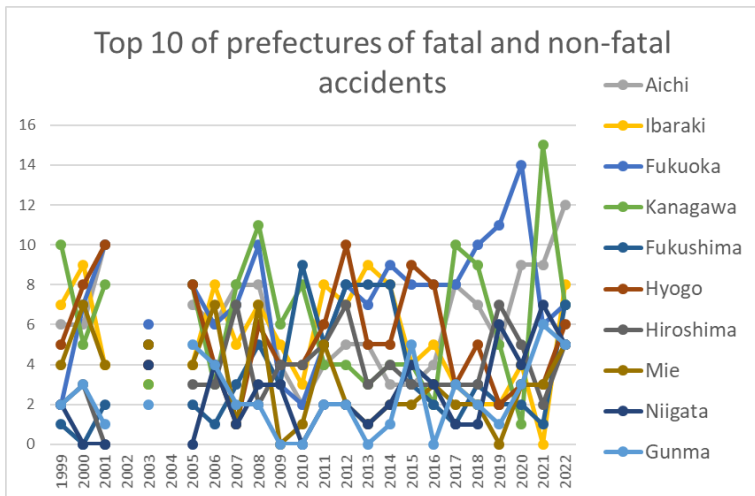
Transition of workers' age groups of fatal and non-fatal accidents in 011401 heavy electrical equipment in Japan (1999-2022)



Transition of workers' number of workplace of fatal and non-fatal accidents in 011401 heavy electrical equipment in Japan (1999-2022)



Transition of Top 6 of occurred months of fatal and non-fatal accidents in 011401 heavy electrical equipment in Japan (1999-2022)



Transition of Top 10 of prefectures of fatal and non-fatal accidents in 011401 heavy electrical equipment in Japan (1999-2022)

Transition of Type of fatal and non-fatal accidents in 011401 heavy electrical equipment 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	26	25	25	32	35	21	28	36	25	32	15	19	18	19	17	17	29	27	25	17	19	21	19	27	574	caught in/between
falling to same level	15	23	14	11	11	15	20	18	11	12	12	11	15	15	11	17	18	16	12	15	11	17	17	26	363	falling to same level

																											level
fall from height	7	13	12	9	14	11	7	14	12	15	9	8	12	17	12	7	4	9	13	13	11	20	10	15	274	fall from height	
reaction to motion/improper motion	9	8	9	14	6	9	11	19	15	13	8	13	14	14	12	17	8	12	12	13	17	20	15	14	302	reaction to motion/improper motion	
struck by flying or falling object	11	14	10	10	15	20	10	4	7	13	5	10	8	10	7	7	13	7	9	5	8	8	7	10	228	struck by flying or falling object	
cut	6	10	11	9	9	7	6	7	9	12	3	4	4	7	7	8	5	2	5	6	4	7	9	4	161	cut	
crash	2	6	4	1	5		9	3	3	1	6	6	5	8	2	8	2	4	2	4	1	2	2	3	89	crash	
collapse	5	6	3	3	3	4	6	4	7	3	3	5	2	1	7	1		4	1	6	1	1	4	3	83	collapse	
electric shock	2	2		2	1	1	3	1		1	1		1	2	3	1	3		3			1	1	3	32	electric shock	
crashed by	5	4	5	3	2	7	6	5	6	7	4	4	4	2	1	3	4	2	3		7	1	3	2	90	crashed by	
traffic accident (public road)	5	8	2		2	2	4	2	2	5	4	2	4	2	1	2	3	4		3		2		1	60	traffic accident (public road)	
others	2	1	1	1		1	2	1	1	2		1	1	1			1			1		1	11	1	30	others	
contact to harmful substance				1		2		2	1			1				1			1		1		1	1	12	contact to harmful substance	
traffic accident (others)																					1			1	2	traffic accident (others)	
contact to high/low-temperature	3	3	2	2	1	4	1	2	3	1	4		2	2	2	3		2	2	3	2	1	1		46	contact to high/low-temperature	
fire		1									1						2		2	1					7	fire	
unclassifiable				1							1			1					1			1			5	unclassifiable	





electric equipment	4	3		1	2	1	6	1	1	1	4		2	3	2	3	4	3	3		1	2	2	3	52	equipment
other equipments, facilities	6	1	2	1	3	1	2	4	3		5	4	4	2	1		2	2	3	3	7	2	3	2	63	other equipments, facilities
natural environment				1	3	3				1	1	2	3		3	1	1	1		2	1	1		2	26	natural environment
welding equipment	2	1	2	1		2		1	3	1		2	1			3			2				1	2	24	welding equipment
crane	4	3	4	2	5		5	5	3	12	1		3	2	4		6	1	2	3	3		5	1	74	crane
hazards, harmful substances		2	1	2		3		2	2		2	1	1	1	1	1	3		4	1	1		1	1	30	hazards, harmful substances
power transmission mechanism	1				1		2		1	1		1			1		1	2	2				1	14	power transmission mechanism	
woodworking machine		1	2	1	2		1		2	1	2		1	1	1						2		1		18	woodworking machine
engine			1	1		3		1							1				2			1		10	engine	
kiln, caldron	1			1						1								1			2	1			7	kiln, caldron
unclassifiable							1			2	1		1						1			1			7	unclassifiable
pressure vessel		1		1	1			1						1											5	pressure vessel
construction machine		1								1		1													3	construction machine
chemical facilities							1	1							1										3	chemical facilities





ladder			5		6		3	6	6	4	5	4	3	11	7	6	4	5	6	5	6	13	4	2	111	ladder	
other tools			4		3		1	3	1	5		4	8	9	4	4	6	3	5	2	2	2	2	2	70	other tools	
other equipment, facilities			2		3		2	4	3		5	4	4	2	1		2	2	3	3	7	2	3	2	54	other equipment, facilities	
cars, bus, motorcycle			2		2		4	2	1	5	3	3	3	3	1	4	5	3		3	1	3		2	50	cars, bus, motorcycle	
lathe					1		1	1	1	4		1	4		1	2	1	1	1	3	2	2		2	28	lathe	
other temporary buildings, establishments			2		4			2	1	1		2	3	3			2	1	2	1	1	1	1	2	28	other temporary buildings, establishments	
other materials			3				1	2	2	1		1	1			1	2	2		1		1	1	2	21	other materials	
other environments					2							1	2		1	1	1	1		1	1			2	13	other environments	
lumber, bamboo					2					1	1				1			1			1	1		2	10	lumber, bamboo	
other metal manufacturing machines			5		2		1	5	3	4	1	2		1	3	4	9	5	4	2	2	2	1	1	57	other metal manufacturing machines	
crane			4		5		4	3	3	11	1		1	2	4		6	1	2	2	2		5	1	57	crane	
drill press, milling machine			3		3		3	4	1	1	1	3	2	1	2	2	2	2	2	3			2	1	38	drill press, milling machine	
working platform, boot board			2		1		5	2	4	1	3		4	3		4	1		1	3	2	1		1	38	working platform, boot board	
machine/equipment as load			1		2		1	2	5	3	2	2		3		2	1	1	1	1	1	1	3	3	1	35	machine/equipment as load
building, establishment			3		1			4	3	2		3	2	1	1	1	1	3	2	2		1	1	1	32	building, establishment	











total	99	124	100	99	104	104	113	118	102	117	77	84	90	101	83	92	93	89	91	87	83	104	100	111	2,365	total
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Transition of workers' age groups of fatal and non-fatal accidents in 011401 heavy electrical equipment 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
30-39	18	30	12	20	17	13	27	30	27	32	14	25	20	23	18	12	26	16	22	18	14	17	15	34	500	30-39
50-59	29	23	39	29	33	38	29	26	19	22	18	13	20	23	17	12	16	23	19	24	16	33	26	26	573	50-59
60 years old or more	6	13	9	8	9	12	13	13	10	15	13	6	14	14	10	16	12	14	14	15	17	18	14	17	302	60 years old or more
20-29	19	32	17	19	17	18	23	24	19	19	13	15	14	19	19	27	11	18	16	14	13	12	12	16	426	20-29
40-49	24	25	17	21	24	19	18	20	24	24	16	23	19	19	14	23	26	18	19	15	22	22	27	15	494	40-49
19 years old or less	3	1	6	2	4	4	3	5	3	5	3	2	3	3	5	2	2		1	1	1	2	6	3	70	19 years old or less
total	99	124	100	99	104	104	113	118	102	117	77	84	90	101	83	92	93	89	91	87	83	104	100	111	2,365	total

Transition of workers' number of workplace of fatal and non-fatal accidents in 011401 heavy electrical equipment 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
10-29	25	25	19	20	23	16	19	23	29	16	16	13	18	21	13	13	22	9	11	14	14	16	22	26	443	10-29
100-299	12	23	8	16	16	19	23	18	11	29	11	21	21	21	20	29	26	13	22	21	23	23	20	25	471	100-299
300 workers or more	18	26	26	17	19	21	26	29	25	27	18	20	28	28	20	22	20	28	31	18	17	28	27	24	563	300 workers or more
30-49	11	20	8	9	11	10	14	19	10	14	11	12	5	4	11	8	4	12	9	15	9	7	10	17	260	30-49
50-99	20	17	23	21	15	17	16	18	15	16	17	10	11	17	9	13	14	18	12	11	17	23	19	15	384	50-99
9 workers or less	13	13	16	16	20	21	15	11	12	15	4	8	7	10	10	7	7	9	6	8	3	7	2	4	244	9 workers or less
total	99	124	100	99	104	104	113	118	102	117	77	84	90	101	83	92	93	89	91	87	83	104	100	111	2,365	total



Transition of occurred months of fatal and non-fatal accidents in 011401 heavy electrical equipment 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
January	7	11	6	6	15	10	10	10	12	4	9	6	5	13	6	8	6	6	7	10	6	10	8	17	208	January
March	6	11	6	6	7	13	9	10	3	12	6	6	10	13	7	5	13	10	10	7	7	7	10	14	208	March
February	7	14	12	10	12	12	10	13	10	12	6	5	10	5	9	9	7	10	10	4	10	11	3	12	223	February
August	10	12	9	10	6	13	6	8	15	8	4	6	3	6	12	8	7	4	7	8	8	10	17	10	207	August
September	6	5	9	8	6	6	10	11	10	12	5	14	10	12	9	12	11	5	3	6	8	8	10	10	206	September
October	11	8	8	10	8	4	10	20	4	13	10	9	10	7	10	9	4	5	9	8	3	7	6	10	203	October
June	7	10	12	5	9	8	11	4	9	13	6	5	10	10	3	8	5	4	9	7	6	11	9	8	189	June
May	7	12	5	12	6	10	10	6	8	5	7	10	7	10	3	4	7	11	5	10	8	6	7	8	184	May
April	7	13	13	9	8	8	5	5	6	12	12	6	5	4	4	7	6	7	9	6	8	6	9	8	183	April
December	7	9	7	7	3	6	9	11	12	10	3	5	4	4	9	4	10	8	6	5	2	11	7	6	165	December
November	11	14	8	9	11	8	15	9	5	8	5	5	10	9	5	7	8	10	9	5	5	5	10	5	196	November
July	13	5	5	7	13	6	8	11	8	8	4	7	6	8	6	11	9	9	7	11	12	12	4	3	193	July
total	99	124	100	99	104	104	113	118	102	117	77	84	90	101	83	92	93	89	91	87	83	104	100	111	2,365	total

Transition of prefectures of fatal and non-fatal accidents in 011401 heavy electrical equipment 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
Aichi	6	6	10		4		7	6	8	8	4	2	4	5	5	3	3	4	8	7	5	9	9	12	135	Aichi
Ibaraki	7	9	4		3		4	8	5	7	5	3	8	7	9	8	4	5	3	2	2	4		8	115	Ibaraki
Fukuoka	2	7	10		6		8	6	7	10	3	2	5	8	7	9	8	8	8	10	11	14	6	7	162	Fukuoka
Kanagawa	10	5	8		3		8	3	8	11	6	8	4	4	3	4	4	2	10	9	5	1	15	7	138	Kanagawa
Fukushima	1		2		5		2	1	3	5	3	9	5	8	8	8	3	2	1	3	2	2	1	7	81	Fukushima
Hyogo	5	8	10		4		8	4	1	6	4	4	6	10	5	5	9	8	3	5	2	3	3	6	119	Hyogo



Tottori	1	3			1			1					1			1	1		1			1	1	1	13	Tottori
Miyazaki		1			2						1	1	1	1			1						1	1	10	Miyazaki
Aomori								2	1			1	1		1	1				1				1	9	Aomori
Nara									1															1	2	Nara
Tokyo	7	5	1				1	3	2	1		4	2	2	1		2	2	1	2	1	1	6		44	Tokyo
Tochigi		1			1		4	2	1	2	3	1	1	3		2	2	2	2	2	1	3	1		34	Tochigi
Yamaguchi		1			1			1	2	1	3	1	1	2	1	1	3	2	6		1		1		28	Yamaguchi
Okayama		1			1		3	2	1	1	1		3	2	1	1	2		1		1	3			24	Okayama
Miyagi	1	1						4	1	1		3	2		1				2	1		1			18	Miyagi
Fukui		1					2	1		1		1			1		1	1		3	3		1		16	Fukui
Okinawa	1		1				1	1	3					3	1				1		1		1		14	Okinawa
Kagoshima	1	1	3		1		1															1		1	9	Kagoshima
Oita					1		1		1	1	1		1			1	1								8	Oita
Wakayama	1		2				1					1					1	1							7	Wakayama
Shimane											1	3	1	1	1										7	Shimane
Iwate							1			1	1		1											1	5	Iwate
Akita	1																						1		2	Akita
Kochi			1																						1	Kochi
total	99	124	100	99	104	104	113	118	102	117	77	84	90	101	83	92	93	89	91	87	83	104	100	111	2,365	total

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