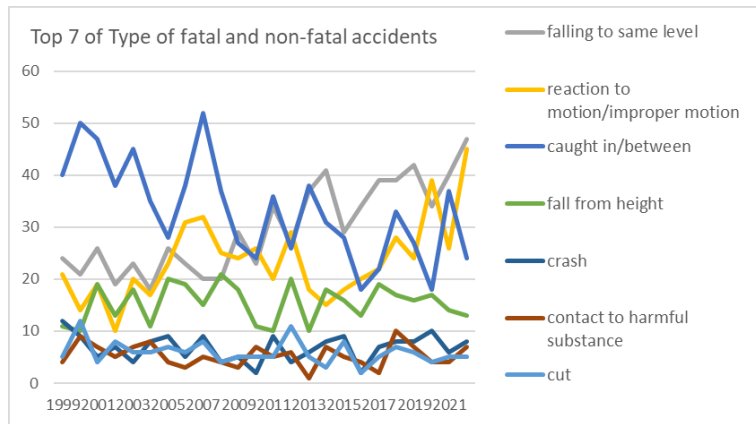
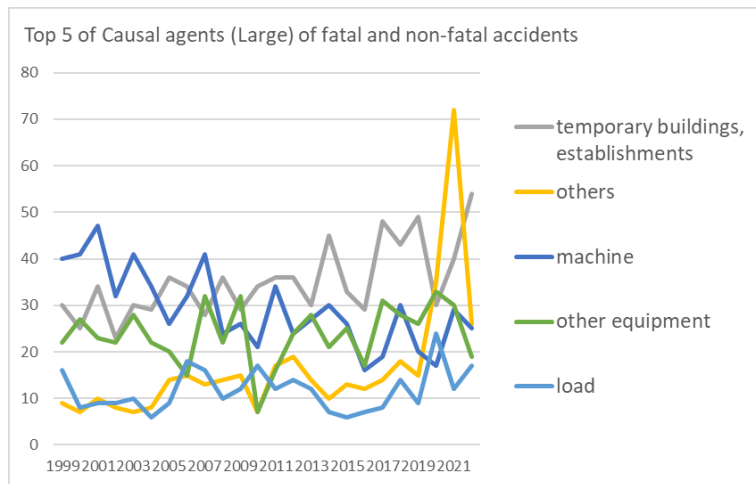


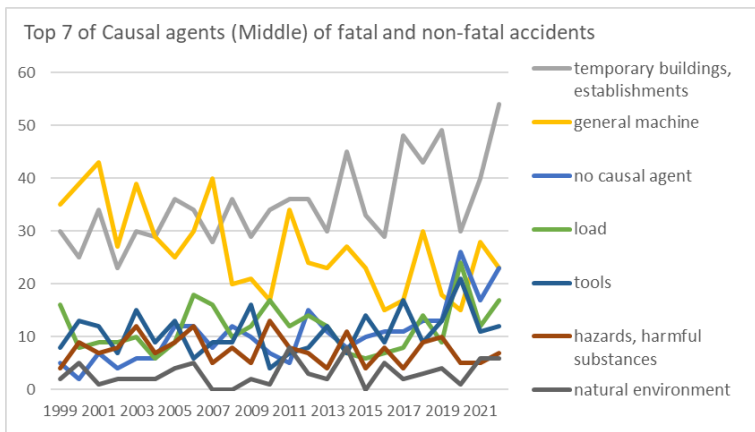
Transition of fatal and non-fatal accidents in 010803 pharmaceuticals in Japan (1999-2022)



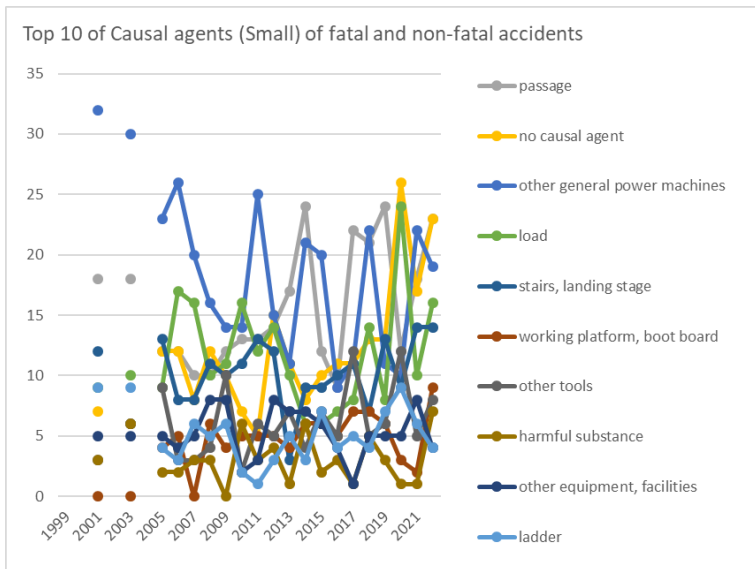
Transition of Top 7 of Type of fatal and non-fatal accidents in 010803 pharmaceuticals in Japan (1999-2022)



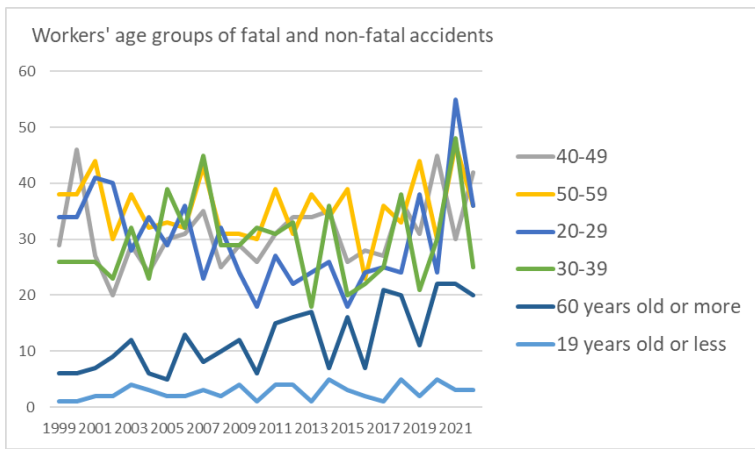
Transition of Top 5 of Causal agents (Large) of fatal and non-fatal accidents in 010803 pharmaceuticals in Japan (1999-2022)



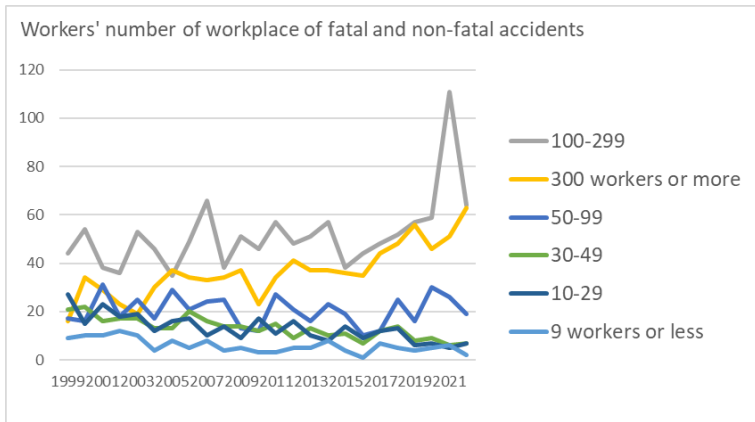
Transition of Top 7 of Causal agents (Middle) of fatal and non-fatal accidents in 010803 pharmaceuticals in Japan (1999-2022)



Transition of Top 10 of Causal agents (Small) of fatal and non-fatal accidents in 010803 pharmaceuticals in Japan (1999-2022)



Transition of workers' age groups of fatal and non-fatal accidents in 010803 pharmaceuticals in Japan (1999-2022)



Transition of workers' number of workplace of fatal and non-fatal accidents in 010803 pharmaceuticals in Japan (1999-2022)

unclassifiable																1	1							1		3	unclassifiable
traffic accident (others)							1																			1	traffic accident (others)
drown																											drown
electric shock																											electric shock
total	134	151	147	124	143	122	138	146	157	129	129	113	147	140	132	143	122	106	135	157	147	156	205	162	3,385	total	

Transition of Causal agents (Large) of fatal and non-fatal accidents in 010803 pharmaceuticals 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	30	25	34	23	30	29	36	34	28	36	29	34	36	36	30	45	33	29	48	43	49	30	40	54	841	temporary buildings, establishments
others	9	7	10	8	7	8	14	15	13	14	15	7	17	19	14	10	13	12	14	18	15	35	72	26	392	others
machine	40	41	47	32	41	34	26	32	41	24	26	21	34	24	27	30	26	16	19	30	20	17	29	25	702	machine
other equipment	22	27	23	22	28	22	20	15	32	22	32	7	16	24	28	21	25	17	31	28	26	33	30	19	570	other equipment
load	16	8	9	9	10	6	9	18	16	10	12	17	12	14	12	7	6	7	8	14	9	24	12	17	282	load
substance, material	6	18	14	12	16	11	14	15	8	12	8	15	17	8	8	14	10	11	8	13	11	8	7	9	273	substance, material
crane, conveying machine	9	20	9	16	9	10	15	12	19	11	5	11	7	12	11	8	9	9	5	8	13	8	9	6	251	crane, conveying machine
environment	2	5	1	2	2	2	4	5			2	1	8	3	2	8		5	2	3	4	1	6	6	74	environment
total	134	151	147	124	143	122	138	146	157	129	129	113	147	140	132	143	122	106	135	157	147	156	205	162	3,385	total

Transition of Causal agents (Middle) of fatal and non-fatal accidents in 010803 pharmaceuticals 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	30	25	34	23	30	29	36	34	28	36	29	34	36	36	30	45	33	29	48	43	49	30	40	54	841	temporary buildings, establishments	
general machine	35	39	43	27	39	29	25	30	40	20	21	17	34	24	23	27	23	15	17	30	18	15	28	23	642	general machine	
no causal agent	5	2	7	4	6	6	12	12	8	12	10	7	5	15	11	8	10	11	11	13	13	26	17	23	254	no causal agent	
load	16	8	9	9	10	6	9	18	16	10	12	17	12	14	12	7	6	7	8	14	9	24	12	17	282	load	
tools	8	13	12	7	15	9	13	6	9	9	16	4	7	8	12	7	14	9	17	9	13	21	11	12	261	tools	
hazards, harmful substances	4	9	7	8	12	7	9	12	5	8	5	13	8	7	4	11	4	8	4	9	10	5	5	7	181	hazards, harmful substances	
natural environment	2	5	1	2	2	2	4	5			2	1	8	3	2	8		5	2	3	4	1	6	6	74	natural environment	
other equipments, facilities	6	11	5	6	5	3	5	4	5	8	8	2	3	8	7	7	6	4	1	5	5	5	5	8	4	131	other equipments, facilities
conveying machine	7	16	5	11	7	10	11	11	17	8	4	9	6	7	11	7	8	7	5	7	10	7	9	3	203	conveying machine	
human power machine, tools	3	1	5	5	4	3		4	14	5	4	1	3	5	8	4	5	3	7	7	5	3	6	3	108	human power machine, tools	

vehicle		3	3	4	2		3		2	3	1	1	1	1		1	1	1			2	1		3	33	vehicle
other causal agent	4	5	3	4	1	1	2	3	4	1	5		12	4	3	1	2	1	3	5	2	9	55	2	132	other causal agent
materials	2	9	7	4	4	4	5	3	3	4	3	2	9	1	4	3	6	3	4	4	1	3	2	2	92	materials
power transmission mechanism	1	2	2	3	2	3	1	1	1	2	3	3			4	2	1		2		1			2	36	power transmission mechanism
unclassifiable						1			1	1						1	1						1	6	unclassifiable	
chemical facilities	4	1		2	2	6		1	3		2		1		1	3		1		2	2	2	1		34	chemical facilities
metal manufacturing machine	4		2	2		2		1		1	2	1				1	1	1			1	1	1		21	metal manufacturing machine
pressure vessel	1	1	1	2	2	1	1				2		1	2					2	2		1	1		20	pressure vessel
crane	2	1	1	1			1	1				1		4				1		1	1				15	crane
kiln, caldron							1		1				1						1	2	1	1	1		9	kiln, caldron
electric equipment														1					3	1			2		7	electric equipment
woodworking machine										1							1						1		3	woodworking machine
engine																										engine
construction machine																										construction machine
mobile silviculture machine																										mobile silviculture machine

power press			1																					1	power press	
railway vehicle							1																		1	railway vehicle
other vehicles																1									1	other vehicles
boiler											1														1	boiler
other electrical equipment																									1	other electrical equipment
human power machine			1																						1	human power machine
abnormal environment																									1	abnormal environment
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 machines																										other woodworking machines

total	134	151	147	124	143	122	138	146	157	129	129	113	147	140	132	143	122	106	135	157	147	156	205	162	3,385	total
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Transition of workers' age groups of fatal and non-fatal accidents in 010803 pharmaceuticals 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	29	46	27	20	29	24	30	31	35	25	29	26	31	34	34	35	26	28	27	37	31	45	30	42	751	40-49
50-59	38	38	44	30	38	32	33	32	43	31	31	30	39	31	38	34	39	23	36	33	44	30	47	36	850	50-59
20-29	34	34	41	40	28	34	29	36	23	32	24	18	27	22	24	26	18	24	25	24	38	24	55	36	716	20-29
30-39	26	26	26	23	32	23	39	32	45	29	29	32	31	33	18	36	20	22	25	38	21	30	48	25	709	30-39
60 years old or more	6	6	7	9	12	6	5	13	8	10	12	6	15	16	17	7	16	7	21	20	11	22	22	20	294	60 years old or more
19 years old or less	1	1	2	2	4	3	2	2	3	2	4	1	4	4	1	5	3	2	1	5	2	5	3	3	65	19 years old or less
total	134	151	147	124	143	122	138	146	157	129	129	113	147	140	132	143	122	106	135	157	147	156	205	162	3,385	total

Transition of workers' number of workplace of fatal and non-fatal accidents in 010803 pharmaceuticals 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	44	54	38	36	53	46	35	49	66	38	51	46	57	48	51	57	38	44	48	52	57	59	111	64	1,242	100-299
300 workers or more	16	34	29	23	19	30	37	34	33	34	37	23	34	41	37	37	36	35	44	48	56	46	51	63	877	300 workers or more
50-99	17	16	31	18	25	17	29	21	24	25	13	12	27	21	16	23	19	10	12	25	16	30	26	19	492	50-99
30-49	21	22	16	17	17	13	13	20	16	14	14	12	15	9	13	10	11	7	12	14	8	9	6	7	316	30-49
10-29	27	15	23	18	19	12	16	17	10	14	9	17	11	16	10	8	14	9	12	13	6	7	5	7	315	10-29
9 workers or less	9	10	10	12	10	4	8	5	8	4	5	3	3	5	5	8	4	1	7	5	4	5	6	2	143	9 workers or less
total	134	151	147	124	143	122	138	146	157	129	129	113	147	140	132	143	122	106	135	157	147	156	205	162	3,385	total

Transition of occurred months of fatal and non-fatal accidents in 010803 pharmaceuticals 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	14	9	9	9	8	12	13	14	14	16	15	10	11	11	10	17	18	6	18	12	12	13	12	24	307	June
February	13	13	12	13	18	10	11	13	9	6	9	7	17	8	17	15	14	15	9	23	15	5	18	18	308	February
September	15	8	14	11	10	8	16	11	15	12	7	7	11	7	13	13	8	10	15	10	13	11	43	16	304	September
January	11	12	9	9	11	12	9	8	16	9	14	10	15	8	10	14	6	16	10	12	14	16	12	16	279	January
May	12	10	10	7	11	10	13	13	13	12	6	13	10	15	13	8	8	6	6	15	9	6	8	14	248	May
March	14	17	12	11	19	9	12	20	14	10	12	16	8	11	6	18	9	2	10	7	8	15	26	13	299	March
April	13	9	11	10	11	10	7	12	11	11	11	7	10	11	7	6	9	9	10	9	12	20	10	13	249	April
July	8	20	19	18	12	7	10	11	13	14	14	11	15	14	11	15	11	9	11	11	20	15	7	12	308	July
October	9	13	20	13	13	10	14	9	13	11	12	10	14	12	10	8	15	10	17	14	11	16	17	11	302	October
December	8	12	8	7	9	12	13	15	9	7	11	9	13	11	12	11	9	7	13	10	8	15	17	10	256	December
November	9	16	11	10	13	8	12	10	20	10	6	6	9	13	14	10	12	2	7	22	17	13	15	8	273	November
August	8	12	12	6	8	14	8	10	10	11	12	7	14	19	9	8	3	14	9	12	8	11	20	7	252	August
total	134	151	147	124	143	122	138	146	157	129	129	113	147	140	132	143	122	106	135	157	147	156	205	162	3,385	total

Transition of prefectures of fatal and non-fatal accidents in 010803 pharmaceuticals 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
Toyama	7	13	5		9		7	20	20	10	15	11	13	16	12	18	14	14	8	16	11	10	14	23	286	Toyama
Shizuoka	6	18	15		11		12	14	6	6	11	3	8	12	3	16	10	10	13	7	11	14	11	16	233	Shizuoka
Saitama	11	9	10		5		2	6	10	4	13	6	7	6	8	9	9	2	9	10	7	5	11	10	169	Saitama
Osaka	24	22	19		24		14	13	19	13	11	15	15	18	22	12	9	5	9	7	12	5	13	9	310	Osaka
Hyogo	4	7	9		7		5	5	5	5	5	4	10	2	3	6	5	4	9	4	6	9	8	9	131	Hyogo
Mie	4	6	5		5		7	4	8	6	7	4		4	3	3	3	1	8	5	2	4	54	7	150	Mie

Nara	3		5		6		4	5	3	12	4	4	4	5	6	3	3	5	3	5	9	7	6	5	107	Nara
Yamagata		2			4		4	3	2	4	4	3	2	2	3	3	3	1	3		3	4	2	5	57	Yamagata
Gunma	1		2				2		1	2	2	1			1	2	2	3	3		1	7	6	5	41	Gunma
Miyazaki		1	1				2	2	2		1		1	1		1	1	1			1	2		5	22	Miyazaki
Shiga	6	8	2		7		6	3	1	4	7	6	3	2	8	5	3	4	3	4	4	5	6	4	101	Shiga
Kagawa	4	5	1		2		6	4	9	4	3	6	6	6	1	2	3	3	7	9	5	5	6	4	101	Kagawa
Kanagawa	6	5	7		2		2	2	4	3	3	7	9	3	1	3		1	4	7	3	4	4	4	84	Kanagawa
Tochigi	1		3		2		5	8	4	2	2	2	5	5	4	3	2	1	6	4	5	4	5	4	77	Tochigi
Fukushima	1	1	6		3		4	1	6	3	4	5	1	3	2	2	2	3	1	4	3	11	3	4	73	Fukushima
Kumamoto	1	6	3		2		4		6	3			3		1	1	1	4	5	7	4	4	3	4	62	Kumamoto
Okayama	5	3	4		1		2	1	2		2		1	1	3	5	5	1	4	8	6	2	1	4	61	Okayama
Kyoto	2	1			2		4	8	3	4	2	1	5	2			2	4	2	3	2	5	4	4	60	Kyoto
Hokkaido		2	1		2		1	2	1	1	1		4	3	3	3		5		2	3	3	6	4	47	Hokkaido
Tokyo	9	10	8		7		4	4	6	4		10	5	4	5	6	3	5	6	5	2	2	2	3	110	Tokyo
Ibaraki	2	5	2		3		6	7	2	4	6	3	2	4		5	2	2	5	6	8	9	3	3	89	Ibaraki
Saga	3	3	3				3	1	2	2		2	2	2	5	3	1	4	3	11	6	4	5	3	68	Saga
Gifu	1	2	2		3		1	2	4	4	1	2	2	9	3	6	5	1	1	3	3	2	4	3	64	Gifu
Tokushima	7	6	5		8		1	3	4	6	5	4	1	6	8	5	8	4	3	7	6	3	5	2	107	Tokushima
Wakayama	10	2	7		6		6	4	3	2	2	3	5	1	1	2	2	2	2	1	1	1	2	2	67	Wakayama
Yamaguchi		2	1		1		3	3	2		2				1	2	1		1		1		1	2	23	Yamaguchi
Niigata					1			1		2	1	2	2	1		2	2	1				1	2	2	20	Niigata
Aichi	6	2	3		5		3	4	3	6	1	3	7	9	6	2	3		3	2	3	4	6	1	82	Aichi
Hiroshima			2		2		1	1	1	1	4	2	6	1	4	4	2		3	5	1	3	1	1	45	Hiroshima

Fukuoka	1	1	5		2		3		3	2		1	4	2	1	2	3	2		3	2	4	1	1	43	Fukuoka	
Nagano	1	3			1		1	2	1		1			2	1	2	2	3		1	2	1		1	25	Nagano	
Iwate			1				1		1	3				1	2		1	1	1	4	2	1	2	1	22	Iwate	
Fukui			1					1	2	1		1	6	1		2	1	1		1	1	2		1	22	Fukui	
Miyagi	1	1	2						1	2			1	1	3						2	1	3	1	19	Miyagi	
Akita							1	2		3	1				2	1	2		1	1		1	3	1	19	Akita	
Kagoshima									1					1			1		2			1		1	7	Kagoshima	
Aomori					1																		1		1	3	Aomori
Tottori																							1		1	2	Tottori
Kochi																								1		1	Kochi
Chiba	5	3	6		3		6	4	4		5	1	4	2	3	2	4	5	2	3	4	2	1		69	Chiba	
Ishikawa	1	2	1		2		3	3	1					1	1		1	2	2	1	5		1		27	Ishikawa	
Oita								2	1		2		1						1			1			8	Oita	
Yamanashi								1	1	1	1		2				1								7	Yamanashi	
Shimane									2										1	1	1		1			6	Shimane
Ehime	1				1		1					1		1	1											6	Ehime
Nagasaki					2															1						3	Nagasaki
Okinawa					1		1								1											3	Okinawa
total	134	151	147	124	143	122	138	146	157	129	129	113	147	140	132	143	122	106	135	157	147	156	205	162	3,385	total	

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