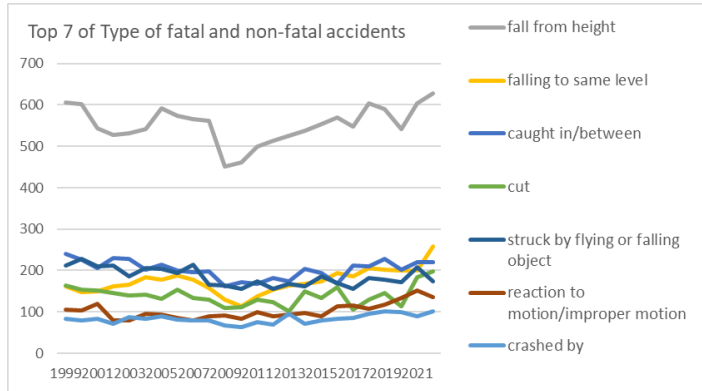
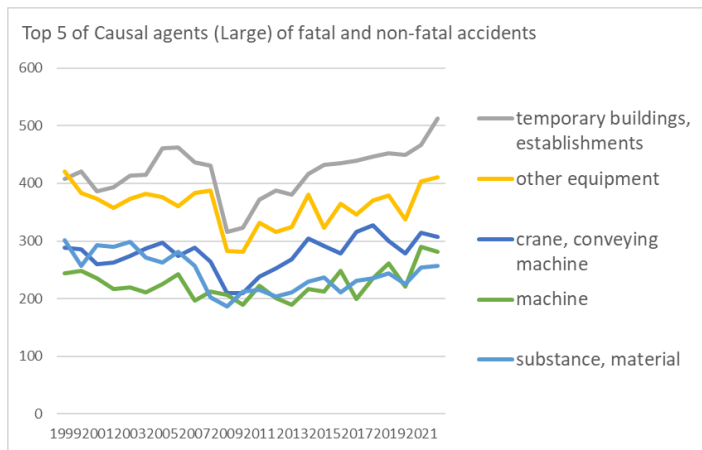


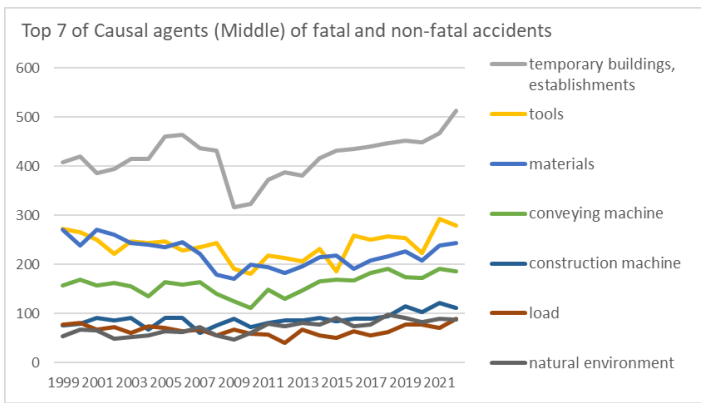
Transition of fatal and non-fatal accidents in 030309 other construction works in Japan (1999-2022)



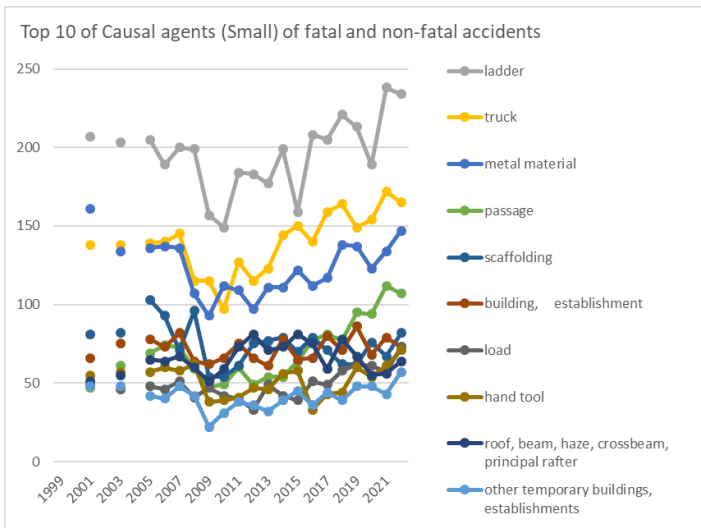
Transition of Top 7 of Type of fatal and non-fatal accidents in 030309 other construction works in Japan (1999-2022)



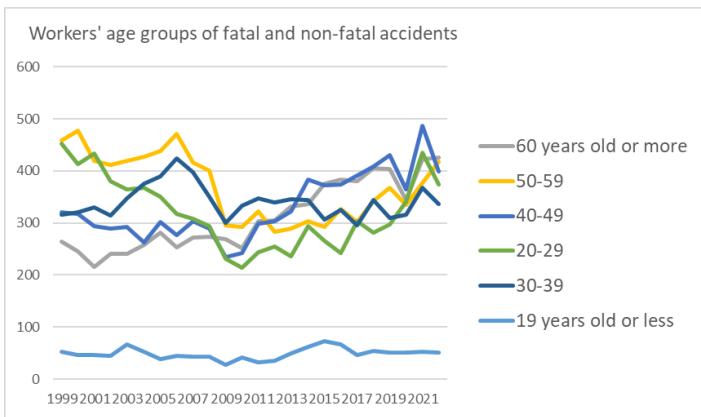
Transition of Top 5 of Causal agents (Large) of fatal and non-fatal accidents in 030309 other construction works in Japan (1999-2022)



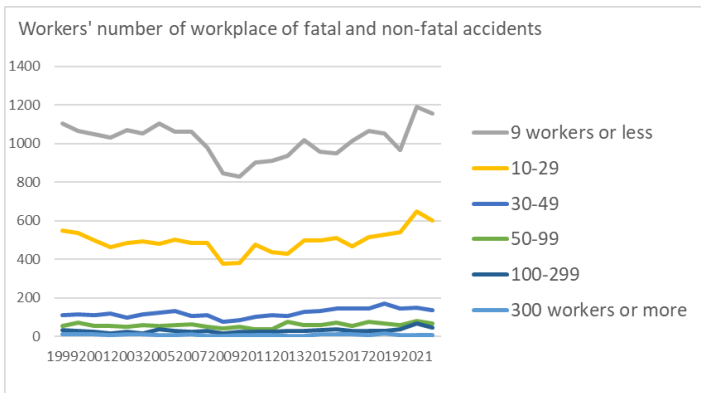
Transition of Top 7 of Causal agents (Middle) of fatal and non-fatal accidents in 030309 other construction works in Japan (1999-2022)



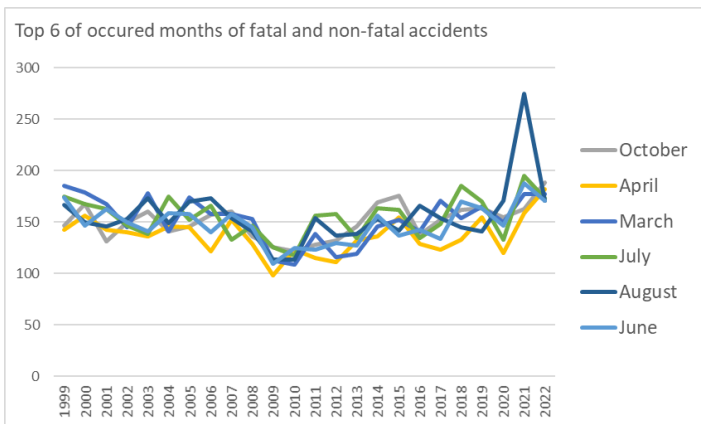
Transition of Top 10 of Causal agents (Small) of fatal and non-fatal accidents in 030309 other construction works in Japan (1999-2022)



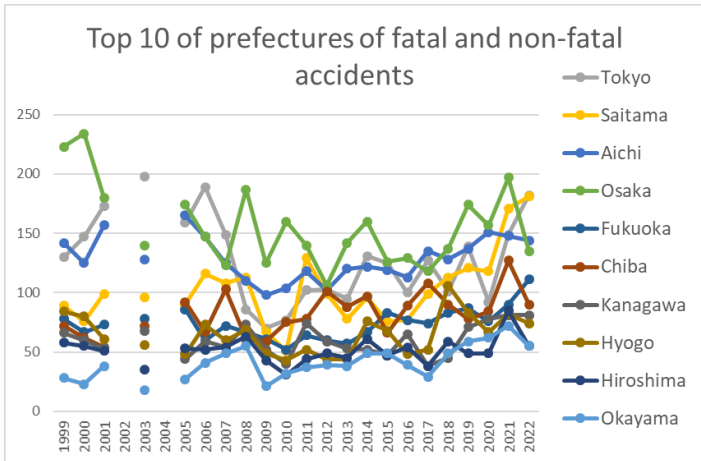
Transition of workers' age groups of fatal and non-fatal accidents in 030309 other construction works in Japan (1999-2022)



Transition of workers' number of workplace of fatal and non-fatal accidents in 030309 other construction works in Japan (1999-2022)



Transition of Top 6 of occurred months of fatal and non-fatal accidents in 030309 other construction works in Japan (1999-2022)



Transition of Top 10 of prefectures of fatal and non-fatal accidents in 030309 other construction works in Japan (1999-2022)

Transition of Type of fatal and non-fatal accidents in 030309 other construction works 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	
fall from height	607	602	544	527	531	542	591	574	566	562	452	461	499	513	526	538	554	570	548	604	589	542	604	628	13,274	fall from height	
falling to same level	162	147	150	161	166	183	177	187	177	158	129	114	137	154	163	168	173	194	185	207	202	199	199	259	4,151	falling to same level	
caught in/between	241	227	207	231	229	202	214	200	196	197	162	171	168	182	174	203	194	168	213	210	229	201	221	220	4,860	caught in/between	
cut	163	153	152	146	139	142	131	153	133	129	109	111	130	123	102	149	133	160	106	130	145	114	184	198	3,335	cut	
struck by flying or falling object	212	228	210	213	186	206	205	194	214	166	163	156	173	155	168	162	186	170	155	181	177	172	208	174	4,434	struck by flying or falling object	
reaction to motion/improper motion	105	103	120	80	79	96	93	85	80	90	91	83	99	90	94	97	90	114	115	108	118	134	152	136	2,452	reaction to motion/improper motion	
crashed by	83	80	84	72	87	84	89	82	80	79	67	64	76	70	95	72	80	84	86	95	102	100	89	102	2,002	crashed by	
crash	89	84	81	65	89	84	87	102	75	89	57	67	74	68	76	82	67	87	77	70	95	89	93	85	1,932	crash	
traffic accident (public																											traffic accident

road)	64	59	67	54	66	54	64	68	72	62	34	40	52	69	73	108	83	72	86	88	63	62	69	60	1,589	(public road)
collapse	54	48	43	56	51	73	42	49	49	43	40	41	52	33	44	62	42	33	69	54	56	42	56	52	1,184	collapse
contact to high/low-temperature	24	30	36	28	31	25	23	21	35	24	14	32	21	25	25	32	32	28	26	42	30	32	28	35	679	contact to high/low-temperature
injury to the sole of the foot	9	10	13	12	10	9	22	12	12	12	8	9	15	13	10	14	17	10	20	9	20	14	19	21	320	injury to the sole of the foot
others	8	8	6	6	12	10	16	13	7	7	11	8	5	3	4	6	10	10	9	11	9	28	193	12	412	others
contact to harmful substance	22	15	11	15	38	18	10	17	15	10	9	9	10	12	11	10	14	14	14	13	19	15	12	11	344	contact to harmful substance
electric shock	7	12	6	6	4	7	14	8	8	10	5	4	4	3	5	10	4	2	3	6	1	3	8	3	143	electric shock
fire	2	4	1	2	9	4	2	12	9	5		2	7	2	1	3	2	2	2	1		2		2	76	fire
explosion	4	3	3	6	2	5	9	4	6	1	2		3	2		3	1	2	3		1		2	2	64	explosion
traffic accident (others)		1	2				6	3		1							2		1	1	1			2	20	traffic accident (others)
drown	3				1				3	1	1		23	3		1				3		1	1	1	42	drown
unclassifiable	2	3	3	2	2		3	3	1	3	1	3		1	1	2	1		2	1	2	1	4		41	unclassifiable
burst	1	1			1	1	3	1	1	3	4			1	2	1	1	1		1		1			24	burst
total	1,862	1,818	1,739	1,682	1,733	1,745	1,801	1,788	1,739	1,652	1,359	1,375	1,548	1,522	1,574	1,723	1,686	1,721	1,720	1,835	1,859	1,752	2,142	2,003	41,378	total

Transition of Causal agents (Large) of fatal and non-fatal accidents in 030309 other construction works 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	408	420	386	394	414	415	461	463	436	431	316	323	372	388	381	416	432	435	440	446	452	449	467	512	10,057	temporary buildings, establishments

natural environment	54	68	66	49	52	55	64	62	72	56	47	61	79	74	82	78	92	75	77	98	91	83	90	88	1,713	natural environment
human power machine, tools	96	67	63	79	67	81	68	72	75	74	50	49	54	61	56	79	71	49	58	53	73	74	71	79	1,619	human power machine, tools
crane	79	68	57	54	64	86	68	51	65	63	45	48	51	59	58	45	46	49	66	66	66	48	68	68	1,438	crane
woodworking machine	48	49	52	44	45	39	49	49	51	41	43	38	41	42	37	49	48	66	36	51	54	36	62	60	1,130	woodworking machine
metal manufacturing machine	60	56	56	48	43	49	34	48	40	42	38	42	39	37	30	33	39	49	35	45	43	36	58	57	1,057	metal manufacturing machine
vehicle	53	48	46	46	55	65	64	64	59	61	39	51	39	62	63	94	76	63	68	70	60	58	54	53	1,411	vehicle
general machine	56	55	33	34	39	49	44	48	37	49	28	37	57	30	36	42	38	39	33	40	43	45	44	50	1,006	general machine
no causal agent	34	32	36	24	25	34	30	22	17	26	31	27	23	34	31	27	35	27	39	41	42	52	53	41	783	no causal agent
other equipments, facilities	28	30	35	30	33	31	36	31	42	42	25	28	39	30	42	40	37	38	24	42	32	29	25	40	809	other equipments, facilities
other causal agent	31	37	18	12	14	14	12	14	20	11	9	9	8	10	17	12	12	17	14	20	10	27	198	14	560	other causal agent
hazards, harmful substances	31	19	22	29	55	31	26	35	35	22	15	13	21	21	15	15	18	20	22	19	17	17	16	14	548	hazards, harmful substances
electric equipment	7	12	8	12	4	11	8	12	14	12	5	5	11	5	7	13	10	9	6	8	9	7	6	7	208	electric equipment
power transmission mechanism	3	4	4	4		6	5	6	7	3	7	1	3	3		2	2	1	4	2	3		1	3	74	power transmission mechanism

																											mechanism	
welding equipment	8	4	6	5	9	2	5	6	2	6	6	4	3	3	8	5	7	4	3	5	5	1	5	2	114	welding equipment		
pressure vessel	3	3	6	7	5	5	7	4	7	7	3	9	3	3	2	6	3	4	4	1	3	1	2	2	100	pressure vessel		
unclassifiable	4	4	4	2	1	1	3	4	1	6	3	3		2	1	2	1		2		2	1	2	2	51	unclassifiable		
kiln, caldron	6	2	3	3	7	7	3	3	5	1	2	3	1	1	2	2	7	2	1	2	3	2	1	1	70	kiln, caldron		
chemical facilities			1	1	2	2	2	4	2	2	1	2	1			4	1			1				1	27	chemical facilities		
mobile silviculture machine																				2	1	1	2		1	1	8	mobile silviculture machine
engine	1	4				1	1	1		2				2	1		1	2	2	2	1		3		24	engine		
total	1,862	1,818	1,739	1,682	1,733	1,745	1,801	1,788	1,739	1,652	1,359	1,375	1,548	1,522	1,574	1,723	1,686	1,721	1,720	1,835	1,859	1,752	2,142	2,003	41,378	total		

Transition of Causal agents (Small) of fatal and non-fatal accidents in 030309 other construction works 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	
ladder			207		203		205	189	200	199	157	149	184	183	177	199	159	208	205	221	213	189	238	234	3,919	ladder	
truck			138		138		139	140	145	115	115	97	127	115	123	144	150	140	159	164	149	154	172	165	2,789	truck	
metal material			161		134		136	137	136	107	93	112	109	97	111	111	122	112	117	138	137	123	134	147	2,474	metal material	
passage			47		61		69	74	73	59	48	49	60	49	54	54	64	77	81	77	95	94	112	107	1,404	passage	
scaffolding			81		82		103	93	71	96	54	54	61	75	77	79	70	79	71	62	62	76	67	82	1,495	scaffolding	
building, establishment			66		75		78	73	82	64	62	66	75	66	61	78	65	66	80	71	86	68	79	73	1,434	building, establishment	
load			49		46		48	46	51	41	47	42	40	33	49	42	39	51	49	58	62	61	57	73	984	load	
hand tool			55		57		57	60	58	62	38	39	41	47	46	56	58	33	43	44	60	54	61	71	1,040	hand tool	
roof, beam, haze,																											roof, beam, haze,

crossbeam, principal rafter			51		55		65	64	67	60	51	59	73	81	71	73	81	75	59	78	67	55	56	64	1,305	crossbeam, principal rafter
other temporary buildings, establishments			48		48		42	40	48	42	22	31	38	36	32	39	45	36	44	39	48	48	43	57	826	other temporary buildings, establishments
stairs, landing stage			42		38		53	61	33	46	38	29	27	35	35	42	54	49	55	53	41	64	59	56	910	stairs, landing stage
working platform, boot board			36		39		38	40	45	45	31	24	25	36	37	39	39	38	41	45	33	29	29	54	743	working platform, boot board
cars, bus, motorcycle			43		52		56	59	54	59	35	45	37	59	60	90	74	59	64	70	57	54	52	49	1,128	cars, bus, motorcycle
excavating machine			38		34		34	42	22	27	34	29	39	35	37	31	27	27	30	35	53	44	44	48	710	excavating machine
mobile crane			40		44		47	27	46	40	33	37	32	36	42	30	32	35	48	50	36	33	47	47	782	mobile crane
other general power machines			31		36		35	41	32	43	26	31	51	25	34	38	37	38	29	32	40	37	43	46	725	other general power machines
no causal agent			36		25		30	22	17	26	31	27	23	34	31	27	35	27	39	41	42	52	53	41	659	no causal agent
other equipment, facilities			35		33		36	31	42	42	25	28	39	30	42	40	37	38	24	42	32	29	25	40	690	other equipment, facilities
lumber, bamboo			40		37		35	34	30	24	30	41	28	28	36	33	41	32	34	37	39	26	43	38	686	lumber, bamboo
other tools			31		30		32	28	23	31	27	17	28	22	19	24	24	37	32	31	35	24	45	35	575	other tools
other materials			44		35		35	56	33	23	30	28	36	34	31	48	38	33	32	25	27	31	41	33	693	other materials
circular sawing machine			34		18		24	25	18	27	24	16	28	25	20	20	19	22	16	26	20	12	27	32	453	circular sawing machine
high/cold temperature environment			8		7		7	5	16	5	3	18	8	12	14	19	14	11	13	20	18	21	21	28	268	high/cold temperature environment
other metal manufacturing			30		17		11	24	12	6	10	20	14	14	8	14	10	15	13	17	18	14	22	26	315	other metal manufacturing

machines																										machines
stone, sand, substance			26		38		30	19	23	26	18	18	22	24	18	23	18	14	26	16	24	28	20	25	456	stone, sand, substance
grinding machine, buffing machine			17		21		19	20	24	24	24	20	23	16	20	16	21	30	18	23	21	17	32	25	431	grinding machine, buffing machine
other environments			15		11		16	12	6	15	12	10	15	18	23	20	15	25	19	27	26	14	27	23	349	other environments
demolition machine			3		10		11	11	8	6	12	6	4	10	14	13	18	24	25	22	22	20	32	21	292	demolition machine
standing tree			23		18		20	24	27	18	20	17	19	14	25	17	33	22	23	27	24	19	16	20	426	standing tree
chain saw			5		12		14	17	13	5	11	12	8	13	9	19	21	21	13	13	21	17	23	18	285	chain saw
other construction machines			27		19		29	20	17	26	22	21	22	24	20	14	13	13	15	14	15	14	14	17	376	other construction machines
opening			14		12		10	16	15	18	9	9	12	10	13	11	12	14	8	20	19	13	21	17	273	opening
machine/equipment as load			18		15		23	19	17	15	21	17	18	8	19	13	11	13	6	5	16	17	14	16	301	machine/equipment as load
natural ground, rock			17		15		19	19	19	15	10	16	15	25	18	20	27	17	20	23	21	25	23	15	379	natural ground, rock
other causal agent			18		14		12	14	20	11	9	9	8	10	17	12	12	17	14	20	10	27	198	14	466	other causal agent
leveling, transporting or loading machine			10		13		6	4	7	5	6	6	6	9	8	16	9	13	7	13	12	13	18	14	195	leveling, transporting or loading machine
crane			10		11		15	18	13	16	10	7	15	18	11	11	10	10	14	14	16	4	15	12	250	crane
slinging tool			13		14		10	11	13	13	7	15	7	8	11	9	4	14	13	6	6	11	10	10	205	slinging tool
forklift			6		5		14	4	9	11	6	4	6	9	11	10	11	15	12	10	13	11	10	9	186	forklift
other woodworking machines			10		11		7	4	13	5	7	8	5	3	8	8	7	17	6	11	8	6	12	7	163	other woodworking machines
human power hauling equipment			6		6		8	7	9	8	8	5	7	9	6	11	9	12	12	8	8	10	3	7	159	human power hauling equipment

conveyor			2		6		8	6	3	6	3	2	9		4	3	2	5	4	2	3	4	7	7	86	conveyor
harmful substance			8		29		10	10	10	3	5	4	7	7	7	5	7	6	6	8	8	4	5	6	155	harmful substance
other hazards, harmful substances			3		10		7	7	6	7	3	2	2	4	6	5	7	9	8	5	6	9	7	5	118	other hazards, harmful substances
other powered crane			3		5		5	4	6	5	2	2	2	2	5	1	2	3	3	1	8	7	3	5	74	other powered crane
vehicle for high lift work			5		10		4	5	3	6	10	5	7	4	5	7	10	8	9	3	8	3	5	4	121	vehicle for high lift work
other powered conveying machines			9		2		3	4	7	5	2	5	5	6	7	6	2	5	4	10	4	3	2	4	95	other powered conveying machines
transmission			3		3		6	7	9	6	3	4	5	3	3	7	4	4	2	4	1	1	2	4	81	transmission
hardening machine			4		4		3	5	2	2	3	3	1	4		3	3	2	3	3	3	5	5	4	62	hardening machine
other vehicles			2		3		4	4	5	2	4	5	2	3	3	3	2	2	4		3	4	2	4	61	other vehicles
mixer, grinder			2		2		7	6	3	4	2	3	1	5	2	4	1	1	4	7	2	6	1	3	66	mixer, grinder
foundation work machine			4		2		5	4	2	4	3	2	3	1	2	7	4	2		4	2	5	3	3	62	foundation work machine
power transmission mechanism			4				5	6	7	3	7	1	3	3		2	2	1	4	2	3		1	3	57	power transmission mechanism
elevator, lift			3		4		1	1		1		2	2	3		2	2		1	1	3	3	3	3	35	elevator, lift
shearing machine			3							1	1	1		1			4	2		1	2		1	3	20	shearing machine
inflammable gas			5		6		6	5	4	5	3	2	7	5		3	3	1	3	2		1		2	63	inflammable gas
water			3		1		1	1	2	2	2		22	4		2	2		1		1	2	2	2	50	water
unclassifiable			4		1		3	4	1	6	3	3		2	1	2	1		2		2	1	2	2	40	unclassifiable
electric power facilities			3		1			1	4	3	2	1	2		2	6	2	1	1	3		3	2	2	39	electric power facilities
timbering			1		4		3	2	2	1	1	2	1		1	1	2	1	1	1	1	2	1	2	30	timbering

power press			1	2			2	3	2		1	1	1	2	2	2		1		2		2	24	power press	
chamfering machine, router, woodworking milling machine																					2	2		chamfering machine, router, woodworking milling machine	
human power cranes			2	2		2	4	6	2	2	3	4	2	4	8	1	2	2	1	4	7	4	1	63	human power cranes
gas welding equipment			6	4		4	3		1	1	3	2	1	5	4	4	2	1	3	4		2	1	51	gas welding equipment
other pressure vessels			4	4		4	3	4	5	2	3	2	3	1	5	2	2	1		1		2	1	49	other pressure vessels
other electrical equipment			2			2	4	1	3			4	2	2		4	4	3	1	8	3	2	1	46	other electrical equipment
kiln, caldron			3	6		2	2	4	1	2	3	1	1	2	2	7	1	1	1	2	2	1	1	45	kiln, caldron
arc welding equipment				4		1		1	3	4	1	1		1	1	2	1	1		1	1	1	1	25	arc welding equipment
chemical facilities			1	2		2	4	2	2	1	2	1			4	1			1				1	24	chemical facilities
boiler						2	1	2			5			1	1		1	1	1	2			1	18	boiler
loader				2			1		1			1		1		1	2	1	1	2			1	14	loader
band sawing machine				2			2	2		1						1	3	1					1	13	band sawing machine
lathe			1			2			1					1		1		2			2	1	1	12	lathe
roll machine (except printingroll machine)							1	1	1			3	4							1			1	12	roll machine (except printingroll machine)
explosive substance			2			1		2		2		1								1	2	1	1	12	explosive substance
gondola							1		1							1			2	1		1	7	gondola	

lumberyard equipment, logging cableway			1																1							2	lumberyard equipment, logging cableway
industrial dryer							1	1																		2	industrial dryer
food manufacturing machine																			1							1	food manufacturing machine
industrial robot																				1						1	industrial robot
mobile logging machine																									1	1	mobile logging machine
skyline yarding machine																	1									1	skyline yarding machine
cargo lifting appliance															1											1	cargo lifting appliance
straddle carrier						1																				1	straddle carrier
forging pressure hammer																											forging pressure hammer
injection molding machine																											injection molding machine
derrick crane																											derrick crane
simple skyline yarding equipment																											simple skyline yarding equipment
radiation																											radiation
total	1,862	1,818	1,739	1,682	1,733	1,745	1,801	1,788	1,739	1,652	1,359	1,375	1,548	1,522	1,574	1,723	1,686	1,721	1,720	1,835	1,859	1,752	2,142	2,003	41,378	total	

Transition of workers' age groups of fatal and non-fatal accidents in 030309 other construction works 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	
60 years old or																											60 years old or

Wakayama	24	19	16		18		20	15	17	11	9	14	3	13	6	14	17	14	6	10	9	7	15	14	291	Wakayama
Kochi	12	16	7		14		16	16	14	13	7	11	8	9	15	9	11	8	11	7	8	10	4	14	240	Kochi
Okinawa	13	8	14		8		13	6	13	17	19	18	11	18	14	8	4	1	7	4	5	5	15	14	235	Okinawa
Nara	10	9	6		13		14	13	17	11	7	9	6	7	9	7	11	15	13	20	4	5	27	13	246	Nara
Yamagata	10	15	9		19		13	13	13	17	17	7	13	15	7	11	8	15	14	20	6	12	1	10	265	Yamagata
Aomori	5	2	3		5		7	10	3	3	2	11	10	9	5	8	7	7	11	9	9	8	23	9	166	Aomori
Shimane	9	14	13		8		15	7	11	8	19	13	8	9	6	17	13	12	9	6	10	12	15	6	240	Shimane
Tottori	3	8	3		7		12	7	5	3	5	3	6	2	4	7	6	3	3	2	13	7	16	5	130	Tottori
Ishikawa	6	7	4		4		5	5	7	7	16	3	1	5	1	6	11	3	15	16	16	13	11	4	166	Ishikawa
total	1,862	1,818	1,739	1,682	1,733	1,745	1,801	1,788	1,739	1,652	1,359	1,375	1,548	1,522	1,574	1,723	1,686	1,721	1,720	1,835	1,859	1,752	2,142	2,003	41,378	total

Data Source : <https://anzeninfo.mhlw.go.jp/user/anzen/tok/anst00.html> MHLW, Jaan

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