

Fatal and non-fatal accidents in other construction works in Japan in 1999-2021

other construction works industry Code No.030309

Type of accidents in other construction works in 1999-2021

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	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	12,646	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	3,892	falling to same level
crash	89	84	81	65	89	84	87	102	75	89	57	67	74	68	76	82	67	87	77	70	95	89	93	1,847	crash
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	4,260	struck by flying or falling object
collapse	54	48	43	56	51	73	42	49	49	43	40	41	52	33	44	62	42	33	69	54	56	42	56	1,132	collapse
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	1,900	crashed by
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	4,640	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	3,137	cut
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	299	injury to the sole of the foot
drown	3				1				3	1	1		23	3		1				3		1	1	41	drown
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	644	contact to high/low-temperature
contact to harmful	22	15	11	15	38	18	10	17	15	10	9	9	10	12	11	10	14	14	14	13	19	15	12	333	contact to harmful

substance																										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	140	electric shock	
explosion	4	3	3	6	2	5	9	4	6	1	2		3	2		3	1	2	3		1		2	62	explosion	
burst	1	1			1	1	3	1	1	3	4			1	2	1	1	1		1		1		24	burst	
fire	2	4	1	2	9	4	2	12	9	5		2	7	2	1	3	2	2	2	1		2		74	fire	
traffic accident (public road)	64	59	67	54	66	54	64	68	72	62	34	40	52	69	73	108	83	72	86	88	63	62	69	1,529	traffic accident (public road)	
traffic accident (others)		1	2				6	3		1							2		1	1	1			18	traffic accident (others)	
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	2,316	reaction to motion/improper motion	
others	8	8	6	6	12	10	16	13	7	7	11	8	5	3	4	6	10	10	9	11	9	28	193	400	others	
unclassifiable	2	3	3	2	2		3	3	1	3	1	3		1	1	2	1		2	1	2	1	4	41	unclassifiable	
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	39,375	total	

Causal agents (large) of fatal and non-fatal accidents in other construction works in 1999-2021

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	total	Causal (L) agents
machine	244	248	236	217	219	211	225	243	196	213	206	190	222	201	190	217	212	248	200	235	261	221	290	5,145	machine
crane, conveying machine	289	286	260	263	274	287	297	274	289	264	210	210	239	252	269	305	292	279	316	327	300	278	314	6,374	crane, conveying machine
other equipment	420	384	373	358	374	382	376	360	383	387	283	281	331	316	324	381	323	365	346	370	379	338	403	8,237	other

																									equipment
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	9,545	temporary buildings, establishments
substance, material	301	257	293	290	299	271	262	281	257	202	186	212	216	204	211	230	237	211	231	235	244	225	254	5,609	substance, material
load	77	82	67	73	61	75	71	65	68	56	68	59	58	41	68	55	50	64	55	63	78	78	71	1,503	load
environment	54	68	66	49	52	55	64	62	72	56	47	61	79	74	82	78	92	75	77	98	91	83	90	1,625	environment
others	69	73	58	38	40	49	45	40	38	43	43	39	31	46	49	41	48	44	55	61	54	80	253	1,337	others
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	39,375	total

Causal agents (middle) of fatal and non-fatal accidents in other construction works in 1999-2021

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	total	Causal (M) agents
engine	1	4				1	1	1		2				2	1		1	2	2	2	1		3	24	engine
power transmission mechanism	3	4	4	4		6	5	6	7	3	7	1	3	3		2	2	1	4	2	3		1	71	power transmission mechanism
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	1,070	woodworking machine
construction machine	76	80	91	87	92	67	92	91	61	76	90	72	82	87	86	91	84	89	89	94	115	104	121	2,017	construction 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	1,000	metal manufacturing machine

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	956	general machine
mobile silviculture machine																		2	1	1	2		1	7	mobile silviculture machine
crane	79	68	57	54	64	86	68	51	65	63	45	48	51	59	58	45	46	49	66	66	66	48	68	1,370	crane
conveying machine	157	170	157	163	155	136	165	159	165	140	126	111	149	131	148	166	170	167	182	191	174	172	192	3,646	conveying 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	1,358	vehicle
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	98	pressure vessel
chemical facilities			1	1	2	2	2	4	2	2	1	2	1			4	1			1				26	chemical facilities
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	112	welding equipment
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	69	kiln, caldron
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	201	electric equipment
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	1,540	human power machine, tools
tools	272	266	251	221	247	243	247	228	236	243	191	181	219	213	207	232	187	259	250	258	254	224	293	5,422	tools
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	769	other equipments, facilities
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	9,545	temporary buildings, establishments

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	534	hazards, harmful substances
materials	270	238	271	261	244	240	236	246	222	180	171	199	195	183	196	215	219	191	209	216	227	208	238	5,075	materials
load	77	82	67	73	61	75	71	65	68	56	68	59	58	41	68	55	50	64	55	63	78	78	71	1,503	load
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	1,625	natural environment
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	546	other causal agent
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	742	no causal agent
unclassifiable	4	4	4	2	1	1	3	4	1	6	3	3		2	1	2	1		2		2	1	2	49	unclassifiable
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	39,375	total

Causal agents (small) of fatal and non-fatal accidents in other construction works in 1999-2021

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	total	Causal (S) agents
engine							1	1		2				2	1		1	2	2	2	1		3	18	engine
power transmission mechanism			4				5	6	7	3	7	1	3	3		2	2	1	4	2	3		1	54	power transmission mechanism
circular sawing machine			34		18		24	25	18	27	24	16	28	25	20	20	19	22	16	26	20	12	27	421	circular sawing machine
band sawing machine					2			2	2		1						1	3	1					12	band sawing machine
wood planer machine			2		2		4	1	3	3		2		1		2		3		1	4			28	wood planer machine

buffing machine			17		21		19	20	24	24	24	20	23	16	20	16	21	30	18	23	21	17	32	406	buffing machine
power press			1		2				2	3	2		1	1	1	2	2	2		1		2		22	power press
forging pressure hammer																									forging pressure hammer
shearing machine			3							1	1	1		1			4	2		1	2		1	17	shearing machine
other metal manufacturing machines			30		17		11	24	12	6	10	20	14	14	8	14	10	15	13	17	18	14	22	289	other metal manufacturing machines
centrifugal machine										2														2	centrifugal machine
mixer, grinder			2		2		7	6	3	4	2	3	1	5	2	4	1	1	4	7	2	6	1	63	mixer, grinder
roll machine (except printingroll machine)							1	1	1			3	4								1			11	roll machine (except printingroll machine)
injection molding machine																									injection molding machine
food manufacturing machine																				1				1	food manufacturing machine
printing machine					1		1		1				1									1		5	printing machine
industrial robot																						1		1	industrial robot
other general power machines			31		36		35	41	32	43	26	31	51	25	34	38	37	38	29	32	40	37	43	679	other general power machines
felling machine																		1	1	1	2			5	felling machine
mobile logging machine																							1	1	mobile logging machine
skyline yarding																		1						1	skyline yarding

machine																									machine
other mobile silviculture machine																									other mobile silviculture machine
crane			10		11		15	18	13	16	10	7	15	18	11	11	10	10	14	14	16	4	15	238	crane
mobile crane			40		44		47	27	46	40	33	37	32	36	42	30	32	35	48	50	36	33	47	735	mobile crane
derrick crane																									derrick crane
elevator, lift			3		4		1	1		1		2	2	3		2	2		1	1	3	3	3	32	elevator, lift
cargo lifting appliance																1								1	cargo lifting appliance
gondola							1		1								1			2	1		6	gondola	
lumberyard equipment, logging cableway			1																	1			2	lumberyard equipment, logging cableway	
simple skyline yarding equipment																									simple skyline yarding equipment
other powered crane			3		5		5	4	6	5	2	2	2	2	5	1	2	3	3	1	8	7	3	69	other powered crane
truck			138		138		139	140	145	115	115	97	127	115	123	144	150	140	159	164	149	154	172	2,624	truck
forklift			6		5		14	4	9	11	6	4	6	9	11	10	11	15	12	10	13	11	10	177	forklift
railway equipment							1	1		1		2	1		1	1				1				9	railway equipment
conveyor			2		6		8	6	3	6	3	2	9		4	3	2	5	4	2	3	4	7	79	conveyor
loader					2			1		1			1		1		1	2	1	1	2			13	loader
straddle carrier					1																			1	straddle carrier
rough terrain hauler			2		1			3	1	1		1		1	1	2	4		2	3	3		1	26	rough terrain hauler
other powered			9		2		3	4	7	5	2	5	5	6	7	6	2	5	4	10	4	3	2	91	other powered

conveying machines																									conveying machines
cars, bus, motorcycle			43		52		56	59	54	59	35	45	37	59	60	90	74	59	64	70	57	54	52	1,079	cars, bus, motorcycle
railway vehicle			1			4	1					1				1		2						10	railway vehicle
other vehicles			2		3		4	4	5	2	4	5	2	3	3	3	2	2	4		3	4	2	57	other vehicles
boiler						2	1	2				5			1	1		1	1	1	2			17	boiler
pressure vessel			2		1		1		1	2	1	1	1				1	1	2			1		15	pressure vessel
other pressure vessels			4		4		4	3	4	5	2	3	2	3	1	5	2	2	1		1		2	48	other pressure vessels
chemical facilities			1		2		2	4	2	2	1	2	1			4	1			1				23	chemical facilities
gas welding equipment			6		4		4	3		1	1	3	2	1	5	4	4	2	1	3	4		2	50	gas welding equipment
arc welding equipment					4		1		1	3	4	1	1		1	1	2	1	1		1	1	1	24	arc welding equipment
other welding equipment					1			3	1	2	1			2	2		1	1	1	2			2	19	other welding equipment
kiln, caldron			3		6		2	2	4	1	2	3	1	1	2	2	7	1	1	1	2	2	1	44	kiln, caldron
industrial dryer						1		1																2	industrial dryer
other kiln, caldron					1			1										1		1	1			5	other kiln, caldron
transmission			3		3		6	7	9	6	3	4	5	3	3	7	4	4	2	4	1	1	2	77	transmission
electric power facilities			3		1			1	4	3	2	1	2		2	6	2	1	1	3		3	2	37	electric power facilities
other electrical equipment			2				2	4	1	3			4	2	2		4	4	3	1	8	3	2	45	other electrical equipment
human power			2		2		2	4	6	2	2	3	4	2	4	8	1	2	2	1	4	7	4	62	human power

cranes																									cranes
human power hauling equipment			6		6		8	7	9	8	8	5	7	9	6	11	9	12	12	8	8	10	3	152	human power hauling equipment
human power machine					2		1	1	2	2	2	2	2	3		4	3	2	1		1	3	3	34	human power machine
hand tool			55		57		57	60	58	62	38	39	41	47	46	56	58	33	43	44	60	54	61	969	hand tool
ladder			207		203		205	189	200	199	157	149	184	183	177	199	159	208	205	221	213	189	238	3,685	ladder
slinging tool			13		14		10	11	13	13	7	15	7	8	11	9	4	14	13	6	6	11	10	195	slinging tool
other tools			31		30		32	28	23	31	27	17	28	22	19	24	24	37	32	31	35	24	45	540	other tools
other equipment, facilities			35		33		36	31	42	42	25	28	39	30	42	40	37	38	24	42	32	29	25	650	other equipment, facilities
scaffolding			81		82		103	93	71	96	54	54	61	75	77	79	70	79	71	62	62	76	67	1,413	scaffolding
timbering			1		4		3	2	2	1	1	2	1		1	1	2	1	1	1	1	2	1	28	timbering
stairs, landing stage			42		38		53	61	33	46	38	29	27	35	35	42	54	49	55	53	41	64	59	854	stairs, landing stage
opening			14		12		10	16	15	18	9	9	12	10	13	11	12	14	8	20	19	13	21	256	opening
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	1,241	roof, beam, haze, crossbeam, principal rafter
working platform, boot board			36		39		38	40	45	45	31	24	25	36	37	39	39	38	41	45	33	29	29	689	working platform, boot board
passage			47		61		69	74	73	59	48	49	60	49	54	54	64	77	81	77	95	94	112	1,297	passage
building, establishment			66		75		78	73	82	64	62	66	75	66	61	78	65	66	80	71	86	68	79	1,361	building, establishment
other temporary buildings, establishments			48		48		42	40	48	42	22	31	38	36	32	39	45	36	44	39	48	48	43	769	other temporary buildings, establishments

explosive substance			2			1		2		2		1								1	2	11	explosive substance		
inflammable substance			4		10		2	13	13	7	2	5	4	5	2	2	1	4	5	4	3	2	2	90	inflammable substance
inflammable gas			5		6		6	5	4	5	3	2	7	5		3	3	1	3	2		1		61	inflammable gas
harmful substance			8		29		10	10	10	3	5	4	7	7	7	5	7	6	6	8	8	4	5	149	harmful substance
radiation																									radiation
other hazards, harmful substances			3		10		7	7	6	7	3	2	2	4	6	5	7	9	8	5	6	9	7	113	other hazards, harmful substances
metal material			161		134		136	137	136	107	93	112	109	97	111	111	122	112	117	138	137	123	134	2,327	metal material
lumber, bamboo			40		37		35	34	30	24	30	41	28	28	36	33	41	32	34	37	39	26	43	648	lumber, bamboo
stone, sand, substance			26		38		30	19	23	26	18	18	22	24	18	23	18	14	26	16	24	28	20	431	stone, sand, substance
other materials			44		35		35	56	33	23	30	28	36	34	31	48	38	33	32	25	27	31	41	660	other materials
load			49		46		48	46	51	41	47	42	40	33	49	42	39	51	49	58	62	61	57	911	load
machine/equipment as load			18		15		23	19	17	15	21	17	18	8	19	13	11	13	6	5	16	17	14	285	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	364	natural ground, rock
standing tree			23		18		20	24	27	18	20	17	19	14	25	17	33	22	23	27	24	19	16	406	standing tree
water			3		1		1	1	2	2	2		22	4		2	2		1		1	2	2	48	water
abnormal environment							1	1	2	1				1	2		1		1	1	1	2	1	15	abnormal environment
high/cold temperature environment			8		7		7	5	16	5	3	18	8	12	14	19	14	11	13	20	18	21	21	240	high/cold temperature environment

other environments			15		11		16	12	6	15	12	10	15	18	23	20	15	25	19	27	26	14	27	326	other environments
other causal agent			18		14		12	14	20	11	9	9	8	10	17	12	12	17	14	20	10	27	198	452	other causal agent
no causal agent			36		25		30	22	17	26	31	27	23	34	31	27	35	27	39	41	42	52	53	618	no causal agent
unclassifiable			4		1		3	4	1	6	3	3		2	1	2	1		2		2	1	2	38	unclassifiable
total			1,739		1,733		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	32,268	total

Workers age of fatal and non-fatal accidents in other construction works in 1999-2021

Age	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Age
19 years old or less	52	46	47	45	67	53	38	45	43	43	28	41	32	36	50	62	73	67	46	54	51	51	53	1,123	19 years old or less
20-29	452	413	433	380	365	368	351	317	308	294	231	214	244	255	236	294	266	243	303	282	297	341	435	7,322	20-29
30-39	316	320	330	314	348	376	389	424	397	351	300	333	348	340	346	344	306	326	296	344	309	316	368	7,841	30-39
40-49	320	317	294	290	293	263	302	277	303	290	235	243	298	303	322	383	373	374	392	408	431	365	487	7,563	40-49
50-59	458	477	419	412	419	427	439	471	416	401	296	293	323	283	289	304	293	327	302	342	368	335	377	8,471	50-59
60 years old or more	264	245	216	241	241	258	282	254	272	273	269	251	303	305	331	336	375	384	381	405	403	344	422	7,055	60 years old or more
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	39,375	total

Workers' number of workplace of fatal and non-fatal accidents in other construction works in 1999-2021

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	total	Workers scale
9 workers or less	1,106	1,063	1,047	1,032	1,070	1,052	1,106	1,062	1,059	979	845	829	903	909	935	1,016	958	948	1,012	1,063	1,054	968	1,188	23,204	9 workers or less
10-29	550	535	495	461	484	493	481	503	484	485	375	382	475	438	428	495	498	510	469	516	529	538	649	11,273	10-29
30-49	110	112	109	117	98	113	121	131	104	108	76	84	102	108	106	125	133	145	145	146	169	146	150	2,758	30-49

injury to the sole of the foot			1																			1	injury to the sole of the foot		
drown	2				1				2	1	2		19	2		1				3	1	1	35	drown	
contact to high/low-temperature	2	1	1	1	1				1	1		5			1		2	1		2	3	2	24	contact to high/low-temperature	
contact to harmful substance			1		3	1	1	2	2			2				1	1		1			1	1	17	contact to harmful substance
electric shock		3	3		1	2	2	1	1	3	2	2	1			1	1	1		1			2	27	electric shock
explosion						1	2		2							2						1		8	explosion
burst	1									1	1													3	burst
fire		1			6			6	1	1											1			16	fire
traffic accident (public road)	5	5	2	3	7	11	7	6	7	4	2	1	5	4	5	6	4	2	8	3	4	4	4	109	traffic accident (public road)
traffic accident (others)	5														1									6	traffic accident (others)
reaction to motion/improper motion																									reaction to motion/improper motion
others			1	2	1					1			1	1		3	1	1	1		1			14	others
unclassifiable																							1	1	unclassifiable
total	45	39	41	29	38	39	33	31	49	34	30	28	44	29	26	26	28	32	34	24	32	27	28	766	total

Causal agents (large) of fatal accidents in other construction works in 1999-2021

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	total	Causal (L) agents
-------------------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	-------	-------------------

load		1														1							2	load	
natural environment	3	2	4	3	5	1	2	1	3	2	3	7	19	2	3	3	3	3	2	3	6	2	3	85	natural environment
other causal agent			1		1												1				1		4	other causal agent	
no causal agent													1	1		1	1		1		1		6	no causal agent	
unclassifiable				1					1														1	3	unclassifiable
total	45	39	41	29	38	39	33	31	49	34	30	28	44	29	26	26	28	32	34	24	32	27	28	766	total

Causal agents (small) of fatal accidents in other construction works in 1999-2021

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	total	Causal (S) agents
engine																					1			1	engine
power transmission mechanism					1				1															2	power transmission mechanism
circular sawing machine			1									1				1								3	circular sawing machine
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 machine

pressure vessel												2										2	pressure vessel		
other pressure vessels																							other pressure vessels		
chemical facilities			1		1				1	1						2							6	chemical facilities	
gas welding equipment																							gas welding equipment		
arc welding equipment									1														1	arc welding equipment	
other welding equipment																							other welding equipment		
kiln, caldron	1																						1	kiln, caldron	
industrial dryer																							industrial dryer		
other kiln, caldron																							other kiln, caldron		
transmission		1	1		1	1	1				1		1				1	1		1			2	12	transmission
electric power facilities	1										2												4	electric power facilities	
other electrical equipment			1													1		1					3	other electrical equipment	
human power cranes	1			1																1	1		4	human power cranes	
human power hauling equipment											1												1	human power hauling equipment	
human power machine																							human power machine		
hand tool																							hand tool		
ladder	2	1	4	3	1	2	1	1	1		3		1	1			1				1		2	25	ladder

other hazards, harmful substances	2																				1		3	other hazards, harmful substances	
metal material		1	1		1	1			2	1			1	1							1	1		11	metal material
lumber, bamboo														1										1	lumber, bamboo
stone, sand, substance																							1	1	stone, sand, substance
other materials									1	1		1												3	other materials
load																1								1	load
machine/equipment as load		1																						1	machine/equipment as load
natural ground, rock		1	1		2	1	1						1	1	1									9	natural ground, rock
standing tree	1		1	1			1		1		1	2			1		2	2	1	1	3			18	standing tree
water	2				1				1		1		18	1		1							1	26	water
abnormal environment					1			1											1			1	1	5	abnormal environment
high/cold temperature environment		1	2	2	1				1	1		5			1		1	1		2	3	1		22	high/cold temperature environment
other environments										1	1					2							1	5	other environments
other causal agent			1		1												1					1		4	other causal agent
no causal agent													1	1		1	1		1		1			6	no causal agent
unclassifiable				1					1														1	3	unclassifiable
total	45	39	41	29	38	39	33	31	49	34	30	28	44	29	26	26	28	32	34	24	32	27	28	766	total

January	4	5	2	3	5	4	3	8	4	4	1	1	2	6	3	2	2	3	1	2	1	1	3	70	January
February	5	2	3	2	4	2	3	5	3	3	2	1		1	2	2	2	6	4		3	5	2	62	February
March	5	1	4		6	5	3	3	3	3	4	2	22	1	4	4	4		4	1	2	3		84	March
April	3	2	7	6	2	1	3	2	3	1	3	4	4		2		1	3	1	1	2	3	1	55	April
May	1	1	7	1	4	1	2	1	3	3	2	3	2	3	4	3	2	1	4	1	1	4	2	56	May
June	2	2	2	3	2	2	1	3	2	6	3	5		1	1	3	3	2	3	1		1	2	50	June
July	3	7	5	2	3	4	5	1	7	4	2	4	3	3		5	1	2	3	4	4	3	5	80	July
August	7	8	1	3	8	2	3	3	6	1	3	3	3	5	5	1	4	6	3	1	3	2	3	84	August
September	4	3	2	2	1	5	4		5	2	1		1	2	2	1	2	5	3	4	3	1	2	55	September
October	3	2	3	3		7	2	1	7	3	3	1	1	3	1	2	4		3	6	6		2	63	October
November	4	2	1	2	3	3	3	1	4	3	3	1	3	4	2	1	1	1	3	2	6	3	2	58	November
December	4	4	4	2		3	1	3	2	1	3	3	3			2	2	3	2	1	1	1	4	49	December
total	45	39	41	29	38	39	33	31	49	34	30	28	44	29	26	26	28	32	34	24	32	27	28	766	total

Prefecture of fatal accidents in other construction works in 1999-2021

Prefecture	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Prefecture
Hokkaido	3		2		1	1	1	1	2	2	1	1					1	3	3		1		1	24	Hokkaido
Aomori							1		1		1	1	1	1				1					1	8	Aomori
Iwate	1	1	1			1							1											5	Iwate
Miyagi	2					1			1			2	8											14	Miyagi
Akita										3									1				1	5	Akita
Yamagata			1			1									1									3	Yamagata
Fukushima				1	2	2	2		1	1	2	3	14	2	4	2	4	4	1	3	4	3	1	56	Fukushima
Ibaraki	1			3			2	1	2	2	1			1	3		3		1	1	3			24	Ibaraki

Okayama		1	3	1			1		2			1			2	2		1	2	1	2		2	21	Okayama	
Hiroshima	2	1	2	1		2	2	2	3		1			2		1			1		1			21	Hiroshima	
Yamaguchi	1		1	1		1		2			2				1		1		1				1	12	Yamaguchi	
Tokushima		1		1	1	1									3								1	8	Tokushima	
Kagawa																								1	Kagawa	
Ehime	2				1			5		1												1	1	12	Ehime	
Kochi	1							1					1											3	Kochi	
Fukuoka	4	4	1	2	2	2	2		1	2	2		1			1	1					1	1	1	28	Fukuoka
Saga														1										1	2	Saga
Nagasaki	1	2		1						1			1		2	1	1	1	1						12	Nagasaki
Kumamoto					1				2					1				2	1				1		8	Kumamoto
Oita			2		1		2		2	1	1		1	3		1		1	1						16	Oita
Miyazaki		1	1			4	1					1						1						1	10	Miyazaki
Kagoshima	2																			1	1	1			5	Kagoshima
Okinawa			1							1	1		1		1									1	6	Okinawa
total	45	39	41	29	38	39	33	31	49	34	30	28	44	29	26	26	28	32	34	24	32	27	28	766	total	

Data sources: <https://anzeninfo.mhlw.go.jp/user/anzen/tok/anst00.htm> (MHLW, Japan)

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