

substance	29	36	19	19	50	28	21	21	27	16	18	18	23	21	18	22	23	26	19	24	31	26	18	20	573
electric shock	63	55	44	37	26	43	44	31	43	44	27	27	17	15	30	36	26	21	16	27	17	21	27	24	761
explosion	14	8	9	9	6	11	15	5	6	4	6	7	3	3	6	5	2	4	4	2	2	5	2	7	145
burst	6	4	2	2	6	14	3	1	1	4	5	1	3	2	2	1	3	2		2		2			66
fire	5	5	1	3	10	7	4	13	13	13	4	13	8	6	2	9	6	6	3	11	2	4		3	151
traffic accident (public road)	151	132	141	122	145	133	162	152	134	125	98	107	107	144	141	168	155	165	155	161	150	110	129	107	3,294
traffic accident (others)	6	2	2	1			6	3		2	1				1	3	2		4	2	4	2		2	43
reaction to motion/improper motion	194	185	224	168	157	166	157	164	158	160	148	155	164	153	166	156	153	164	179	185	187	210	236	216	4,205
others	13	13	13	13	13	16	21	22	17	14	14	13	21	13	18	14	18	13	25	19	17	53	420	22	835
unclassifiable	6	6	4	6	3		5	4	5	5	1	3	1	2	3	4	2	3	4	1	3	1	4	1	77
total	3,531	3,418	3,368	3,116	3,098	3,123	3,113	3,128	3,084	3,018	2,532	2,520	2,724	2,660	2,746	2,898	2,719	2,729	2,808	2,931	2,958	2,820	3,399	2,991	71,432

Causal agents (large) of fatal and non-fatal accidents in other construction works in 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
machine	413	394	403	360	345	339	339	366	327	342	321	280	337	322	289	324	306	335	297	332	367	311	393	363	8,205
crane, conveying machine	575	557	522	491	517	519	533	519	490	484	414	387	406	441	466	480	501	473	479	514	500	438	476	470	11,652
other equipment	929	890	851	823	777	804	769	775	781	806	647	650	675	634	699	749	607	664	662	688	707	637	713	710	17,647

general machine	105	90	73	78	71	79	65	67	64	76	55	56	88	68	57	65	58	55	56	63	68	60	64	61	1,642
mobile silviculture machine																		2	1	1	2	1	1	1	9
crane	138	157	143	106	124	149	122	114	115	131	101	96	89	101	104	102	97	93	92	115	114	86	104	115	2,708
conveying machine	307	300	278	276	275	240	275	279	263	229	207	193	228	206	226	227	259	244	260	272	248	246	263	254	6,055
vehicle	130	100	101	109	118	130	136	126	112	124	106	98	89	134	136	151	145	136	127	127	138	106	109	101	2,889
pressure vessel	10	10	13	13	13	21	12	9	12	13	5	15	8	6	4	9	6	7	9	6	4	5	6	4	220
chemical facilities	5	2	1	3	4	6	3	5	3	4	3	2	5	2	1	7	3	1		3	2	1	1	1	68
welding equipment	11	13	14	8	10	7	14	12	8	11	16	16	9	4	12	8	12	6	4	16	9	3	5	3	231
kiln, caldron	11	7	4	8	10	10	4	6	6	2	8	6	1	1	4	3	8	5	2	3	7	5	2	1	124
electric equipment	93	78	77	71	51	67	67	53	68	57	53	46	38	39	51	58	47	47	41	48	45	41	53	37	1,326
human power machine, tools	159	139	121	141	127	127	115	125	135	126	91	86	98	108	91	123	105	86	97	94	114	116	116	121	2,761
tools	576	553	543	508	488	499	483	494	473	512	406	417	445	414	461	445	365	443	457	447	474	405	485	460	11,253
other equipments, facilities	64	88	78	71	74	67	71	71	76	81	65	62	71	60	75	96	61	69	52	71	52	61	45	83	1,664
temporary buildings, establishments	738	787	758	727	738	741	789	783	769	751	589	602	667	662	657	700	671	668	700	690	690	710	719	754	17,060
hazards, harmful substances	53	42	40	43	67	44	39	43	48	31	26	34	32	36	24	31	30	36	29	34	33	36	22	26	879
materials	419	365	420	375	350	355	330	350	341	306	260	288	287	279	276	295	292	256	290	300	295	286	305	302	7,622

machine, router, woodworking milling machine															1								2	3	
chain saw			8		12		15	19	16	10	14	15	11	17	9	22	23	23	18	16	25	20	27	18	338
other woodworking machines			16		12		10	6	16	7	7	9	6	4	10	13	8	18	7	15	8	7	13	7	199
leveling, transporting or loading machine			13		14		7	6	7	7	7	6	6	9	10	19	10	13	9	13	13	15	20	18	222
excavating machine			50		37		39	54	26	33	39	34	44	40	45	37	31	29	37	40	60	52	51	53	831
foundation work machine			9		3		6	6	8	7	5	3	7	6	4	10	5	5		8	5	8	6	5	116
hardening machine			5		7		3	5	2	2	3	3	1	5		4	3	3	3	3	4	5	6	4	71
demolition machine			6		12		14	14	11	7	13	7	9	12	15	14	23	25	29	23	22	21	32	21	330
vehicle for high lift work			32		37		24	39	31	29	44	31	30	28	20	25	34	29	24	19	38	26	35	36	611
other construction machines			36		27		42	23	23	32	27	27	27	30	25	20	20	15	19	17	18	19	18	20	485
lathe			3				3	2	1	2	2		3	1	2	1	2	3	2	1	1	2	3	1	35
drill press, milling machine			9		4		4	9	8	11	4	3	3	7	3	1	3	3	4	4	2	2	4	3	91
grinding machine, buffing machine			27		30		31	30	42	38	33	25	36	27	32	31	27	44	29	39	31	28	39	29	648
power press			1		4		2		2	4	4	2	2	2	2	2	2	2	2	2	1	5	1	2	44

forging pressure hammer			1																				1		
shearing machine			3		1		2		1	1	3	1		1			5	3		3	2		1	6	33
other metal manufacturing machines			46		33		23	35	21	26	23	27	23	24	15	26	17	22	20	27	25	21	27	31	512
centrifugal machine			1		1			1		2					1		1								7
mixer, grinder			5		3		7	6	4	6	3	4	2	10	2	8	1	2	4	8	2	6	3	6	92
roll machine (except printingroll machine)					1		2	1	3	1		4	5	1					1		3			2	24
injection molding machine								1			1														2
food manufacturing machine			1				1		1		2				1		1	2		1					10
printing machine					2		1		1	1			1	1								2			9
industrial robot					1			1		1	1				1	1				1	1	1			9
other general power machines			66		63		54	57	55	65	48	48	80	56	52	56	55	51	51	53	62	51	61	53	1,137
felling machine																		1	1	1	2	1			6
mobile logging machine																							1		1
skyline yarding machine																		1							1

conveying machines			20		11		8	12	19	9	7	10	13	9	19	7	10	7	10	13	10	6	4	12	216
cars, bus, motorcycle			96		112		126	119	107	119	101	89	86	131	131	146	139	129	122	126	133	101	106	92	2,311
railway vehicle			2		2		4	1			1	1	1		1	2	1	3			1			1	21
other vehicles			3		4		6	6	5	5	4	8	2	3	4	3	5	4	5	1	4	5	3	8	88
boiler			5		1		3	3	4	1		8	1	2	2	4	1	4	2	2	3	1	2	1	50
pressure vessel			3		5		4	3	2	4	3	1	2		1		1	1	3	1		1	1	2	38
other pressure vessels			5		7		5	3	6	8	2	6	5	4	1	5	4	2	4	3	1	3	3	1	78
chemical facilities			1		4		3	5	3	4	3	2	5	2	1	7	3	1		3	2	1	1	1	52
gas welding equipment			10		5		6	7	4	3	7	9	3	2	5	5	9	2	2	13	6	1	2	2	103
arc welding equipment			4		4		7	2	3	5	8	6	6		5	2	2	3	1	1	2	2	1	1	65
other welding equipment					1		1	3	1	3	1	1		2	2	1	1	1	1	2	1		2		24
kiln, caldron			4		7		3	4	5	1	7	5	1	1	3	3	8	3	2	2	6	5	1	1	72
industrial dryer					1		1	1	1		1	1			1			1					1		9
other kiln, caldron					2			1		1							1		1	1					7
transmission			33		26		34	24	40	30	26	24	17	17	25	24	27	23	26	27	24	16	28	22	513
electric power facilities			27		11		19	14	24	17	18	14	10	14	18	29	9	13	9	15	9	15	17	12	314
other electrical			17		14		14	15	4	10	9	8	11	8	8	5	11	11	6	6	12	10	8	3	190

water			3		1		3	1	2	3	2		38	5		2	4	1	2	1	2	4	3	2	79
abnormal environment					2		6	1	3	1				1	3		2	1	2	3	2	2	1	1	31
high/cold temperature environment			15		11		10	12	28	12	10	34	20	18	23	31	23	21	21	49	30	38	32	38	476
other environments			27		25		30	20	15	26	16	13	34	31	40	38	32	40	37	46	46	28	42	48	634
other causal agent			35		21		20	19	24	20	16	19	14	14	33	28	17	20	22	31	14	58	425	20	870
no causal agent			70		56		51	43	45	48	55	46	50	60	56	55	65	49	73	69	78	73	88	68	1,198
unclassifiable			4		1		5	6	5	7	3	4	1	2	2	4	3	3	6	1	3	1	2	3	66
total	3,531	3,418	3,368	3,116	3,098	3,123	3,113	3,128	3,084	3,018	2,532	2,520	2,724	2,660	2,746	2,898	2,719	2,729	2,808	2,931	2,958	2,820	3,399	2,991	71,432

Workers age of fatal and non-fatal accidents in other construction works in 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
19 years old or less	99	87	89	83	93	75	62	76	73	70	52	68	56	64	84	98	96	81	64	72	77	70	81	77	1,847
20-29	896	869	817	750	686	670	624	583	565	530	447	425	481	463	454	506	444	444	513	479	474	541	665	523	13,849
30-39	639	631	684	620	679	705	727	757	762	698	609	640	594	607	595	609	539	558	513	543	537	509	620	515	14,890
40-49	641	602	604	553	534	496	518	515	509	568	461	476	547	535	574	640	624	604	643	704	699	630	769	636	14,082
50-59	842	852	814	733	731	762	764	810	735	698	523	534	551	498	523	511	470	504	515	533	565	549	639	636	15,292
60 years old or more	414	377	360	377	375	415	418	387	440	454	440	377	495	493	516	534	546	538	560	600	606	521	625	604	11,472
total	3,531	3,418	3,368	3,116	3,098	3,123	3,113	3,128	3,084	3,018	2,532	2,520	2,724	2,660	2,746	2,898	2,719	2,729	2,808	2,931	2,958	2,820	3,399	2,991	71,432

Workers' number of workplace of fatal and non-fatal accidents in other construction works in 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
9 workers or less	1,922	1,886	1,898	1,812	1,789	1,777	1,811	1,766	1,782	1,722	1,459	1,453	1,470	1,486	1,523	1,604	1,467	1,497	1,549	1,612	1,608	1,497	1,742	1,614	39,746
10-29	1,054	1,009	982	886	867	883	840	878	877	867	705	704	820	762	771	863	809	785	798	831	832	866	1,056	920	20,665
30-49	262	246	246	220	227	250	238	255	217	227	173	183	238	221	209	226	240	235	259	264	285	241	288	232	5,682
50-99	148	159	127	130	128	123	127	130	129	120	114	101	104	105	143	124	122	128	112	133	123	127	151	124	3,032
100-299	108	90	83	52	65	66	77	76	56	67	65	58	75	66	81	63	60	69	67	68	79	70	135	77	1,773
300 workers or more	37	28	32	16	22	24	20	23	23	15	16	21	17	20	19	18	21	15	23	23	31	19	27	24	534
total	3,531	3,418	3,368	3,116	3,098	3,123	3,113	3,128	3,084	3,018	2,532	2,520	2,724	2,660	2,746	2,898	2,719	2,729	2,808	2,931	2,958	2,820	3,399	2,991	71,432

Month of fatal and non-fatal accidents in other construction works in 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
January	269	240	241	242	244	224	233	226	225	238	181	197	205	195	247	208	209	218	227	212	213	236	236	265	5,431
February	298	283	303	275	239	226	268	246	284	251	232	214	211	240	221	229	224	258	209	249	236	242	240	229	5,907
March	322	311	338	275	318	265	279	270	280	298	219	226	279	218	225	255	239	246	270	249	267	246	286	272	6,453
April	299	302	254	265	257	244	257	221	239	236	179	209	195	192	214	237	227	194	206	209	249	196	269	262	5,612
May	275	226	285	256	244	225	224	251	247	240	198	184	194	230	233	222	186	214	223	223	223	195	283	227	5,508
June	315	298	303	267	259	259	254	239	276	257	204	221	213	223	232	244	231	212	231	256	239	228	282	259	6,002
July	310	327	318	274	243	308	269	270	265	262	244	234	252	250	237	287	256	228	267	313	270	233	329	249	6,495
August	312	292	283	281	312	299	291	310	269	266	215	214	246	243	261	245	247	267	260	241	244	257	451	269	6,575

September	320	289	249	247	239	319	278	281	281	274	211	210	222	220	191	232	233	260	226	261	264	260	302	237	6,106
October	296	292	273	266	277	237	254	281	259	248	224	221	226	237	250	262	276	238	238	257	258	242	240	257	6,109
November	253	288	266	221	244	241	259	259	240	254	196	194	217	218	224	246	193	206	223	249	255	253	274	240	5,713
December	262	270	255	247	222	276	247	274	219	194	229	196	264	194	211	231	198	188	228	212	240	232	207	225	5,521
total	3,531	3,418	3,368	3,116	3,098	3,123	3,113	3,128	3,084	3,018	2,532	2,520	2,724	2,660	2,746	2,898	2,719	2,729	2,808	2,931	2,958	2,820	3,399	2,991	71,432

Prefecture of fatal and non-fatal accidents in other construction works in 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
Hokkaido	126	128	116		143		131	123	137	82	77	75	102	123	115	103	113	139	114	123	122	111	98	90	2,491
Aomori	12	18	31		22		20	21	13	14	18	24	23	28	20	26	22	16	17	25	20	20	42	26	478
Iwate	40	49	29		37		20	21	25	35	32	23	46	26	32	44	29	32	43	35	34	26	27	28	713
Miyagi	44	53	37		37		38	31	42	37	33	29	71	46	56	40	47	44	48	57	50	33	58	54	985
Akita	32	31	33		18		24	24	18	17	17	22	16	18	21	26	12	24	24	21	26	21	31	38	514
Yamagata	36	35	20		29		25	23	20	25	29	17	26	29	18	17	26	20	21	31	14	24	12	26	523
Fukushima	63	73	64		56		68	61	53	55	48	50	71	91	110	112	174	145	115	125	101	99	84	49	1,867
Ibaraki	87	82	83		79		74	102	93	69	75	63	86	88	81	105	101	119	103	104	74	61	65	63	1,857
Tochigi	61	54	90		66		74	65	64	69	43	55	44	53	43	64	57	61	58	43	62	43	48	59	1,276
Gunma	89	72	59		56		59	63	69	66	55	35	35	47	53	58	39	27	39	42	31	40	47	48	1,129
Saitama	155	148	164		136		136	184	171	194	122	98	185	156	130	150	110	115	134	153	160	146	216	212	3,375
Chiba	147	136	143		151		157	139	160	129	123	129	142	156	164	147	107	125	168	135	135	134	176	140	3,143
Tokyo	264	284	310		307		261	292	250	191	142	166	193	190	184	209	202	157	184	174	202	148	224	243	4,777
Kanagawa	157	135	138		144		127	139	139	150	134	101	125	106	98	113	100	136	102	100	138	143	146	121	2,792

Niigata	87	96	85		64		45	53	55	49	43	38	43	49	45	41	35	41	60	42	60	47	88	51	1,217
Toyama	39	26	44		32		54	34	34	32	26	27	31	15	24	20	25	29	25	38	29	28	51	35	698
Ishikawa	16	23	20		13		18	16	19	16	27	16	19	20	13	23	21	14	30	37	24	24	21	11	441
Fukui	29	35	23		17		34	19	34	29	23	20	23	23	23	29	32	30	24	23	29	27	44	28	598
Yamanashi	33	23	29		26		12	19	19	23	19	26	17	16	17	16	25	15	22	17	10	15	18	24	441
Nagano	45	41	44		40		28	42	39	43	34	47	30	38	35	48	49	36	31	34	39	36	56	42	877
Gifu	59	55	50		68		66	46	55	61	69	72	51	64	45	44	44	39	36	42	50	32	49	65	1,162
Shizuoka	102	113	113		107		106	85	97	101	75	75	64	73	69	67	51	64	61	81	96	74	86	70	1,830
Aichi	235	209	226		185		234	237	201	189	155	154	176	145	165	174	167	164	189	183	192	219	189	195	4,183
Mie	59	65	54		61		53	61	52	54	52	46	51	38	64	47	59	51	55	53	60	67	56	68	1,226
Shiga	21	29	23		29		32	40	38	47	37	37	32	39	40	30	32	33	38	44	53	32	58	47	811
Kyoto	81	83	74		64		77	55	70	79	62	56	57	48	42	52	35	54	50	44	60	64	56	36	1,299
Osaka	360	344	295		239		260	220	218	283	226	255	220	166	203	209	183	174	165	208	227	206	301	186	5,148
Hyogo	163	165	140		110		98	124	123	121	102	95	97	86	95	131	115	99	105	147	127	127	134	99	2,603
Nara	26	27	15		25		20	26	27	22	22	25	23	22	10	21	16	22	19	27	13	19	39	29	495
Wakayama	46	42	28		30		34	27	26	28	17	29	15	21	15	20	21	17	11	19	18	12	19	21	516
Tottori	8	14	7		14		18	11	9	5	9	5	14	2	5	14	10	4	10	6	18	10	20	8	221
Shimane	16	20	21		11		19	10	19	17	30	21	13	14	14	26	20	16	16	13	15	17	24	16	388
Okayama	49	42	61		38		46	72	69	77	40	51	58	62	59	70	70	57	49	67	79	79	93	79	1,367
Hiroshima	106	93	81		69		81	81	91	87	66	56	75	72	78	86	76	84	71	93	68	71	112	75	1,772
Yamaguchi	39	49	36		54		48	44	44	58	28	40	46	48	43	34	34	68	50	36	43	49	51	52	994
Tokushima	19	20	18		14		21	26	18	22	21	20	16	18	29	29	27	30	18	29	16	30	40	21	502
Kagawa	46	40	29		29		27	16	24	17	15	18	21	13	29	30	11	14	31	21	20	17	34	20	522

Ehime	59	63	64		47		33	51	42	28	14	41	32	32	33	27	42	17	42	44	47	47	48	54	907
Kochi	24	21	25		22		25	23	20	24	12	25	18	20	23	21	20	18	16	18	16	13	16	21	441
Fukuoka	140	137	146		161		153	123	132	134	103	106	100	107	113	118	116	115	111	129	136	110	136	150	2,776
Saga	26	29	40		32		24	36	22	21	21	25	27	27	42	19	31	28	34	31	22	42	54	33	666
Nagasaki	60	36	35		31		28	47	30	33	33	20	23	35	34	41	32	40	48	45	38	39	36	47	811
Kumamoto	58	42	48		51		38	49	49	37	50	35	42	52	56	40	63	76	54	66	57	67	51	58	1,139
Oita	74	58	89		53		56	53	57	47	63	45	37	52	52	57	37	35	53	44	42	47	39	52	1,142
Miyazaki	39	33	34		30		50	44	32	39	34	46	37	39	46	61	43	39	47	42	39	62	30	48	914
Kagoshima	36	25	33		34		35	36	40	32	24	28	31	18	35	22	26	37	51	28	37	34	47	33	722
Okinawa	18	22	21		17		26	14	25	30	32	33	20	29	25	17	12	9	16	12	9	8	29	20	444
total	3,531	3,418	3,368	3,116	3,098	3,123	3,113	3,128	3,084	3,018	2,532	2,520	2,724	2,660	2,746	2,898	2,719	2,729	2,808	2,931	2,958	2,820	3,399	2,991	71,432

Fatal and non-fatal accidents mean fatal and non-fatal injuries and occupational diseases with work absence of 4 days and more.

Data of 2022 year do not include Covid-19 cases. Data of 2020 & 2021 year include Covid-19 cases. Fatal and non-fatal data are same situation.

Data of 2011 year include fatal and non-fatal accidents caused by Great East Japan Earthquake in 2011.

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

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Fatal accidents in other construction works in Japan in 1999-2022

other construction works industry Code No.0303

woodworking machine		1	1						1			1				1								5	
construction machine	4	8	4	4	5	2	4	5	6	8	7	4	3	4	7	5	3	4	6	2	6	4	4	5	114
metal manufacturing machine	1	1		1	1							1		1		1		2					1		10
general machine		4	1	2		3	1	1	2		1		3	1					2		1	2	1	2	27
mobile silviculture machine																									
crane	6	9	6	5	5	4	7	5	8	1	4	4	6	7	1	6	7	1	5	8	4	3	3	5	120
conveying machine	7	8	9	14	13	12	10	15	9	5	4	11	8	7	3	3	10	6	10	8	4	6	5	9	196
vehicle	13	6	3	3	9	11	6	3	5	8	6	3	7	4	6	10	4		9	1	4	6	2	4	133
pressure vessel				2		6						3	1				1	1							14
chemical facilities				1		1			1	1						2									6
welding equipment						1	1	1			3	2	2				3			2					15
kiln, caldron	1					1									1										3
electric equipment	22	9	10	8	3	12	13	6	7	15	6	6	2	4	1	8	7	8	7	3	1	1	5	3	167
human power machine, tools	2	2		1			1		2	2	1		1		1					2	1	1			17
tools	7	4	11	6	4	6	4	9	7	4	10	4	6	4	5	4	6	1	1	3	3	3	5	7	124
other equipments, facilities	4	4	2	3	2	2	3	2		4	3	1	3	1	1	6	2		1		1	5	1	4	55
temporary buildings, establishments	31	24	28	26	27	28	25	24	34	26	21	17	21	20	15	11	15	24	14	18	15	14	10	11	499
hazards, harmful substances	3	1	1		8	2	2	6	5	1	2					1	2	1		2	1	1		1	40
materials	2	1	2		1	2	2		4	3	1	1	4	1	2		1				1	1	2		31
load	2	3	3		1	2	2	2	4			1	1	2	2		2		1	3	2	2			35
natural environment	5	3	6	7	6	5	5	2	5	3	3	8	42	3	6	5	6	4	3	6	6	4	6	5	154
other causal agent			2	1	2			1				1						1				1	1		10

skyline yarding machine																									
other mobile silviculture machine																									
crane	3	2	1	1		1	2		1		1			1		4	2	1	1				2	23	
mobile crane	1	4	3	4	1	2	1	4	4		2	2	1	3	1	2	4		4	7	3	1	2	56	
derrick crane										1			1											2	
elevator, lift		2	1		2		2	1	1		1	1	2	3			1					2	1	2	22
cargo lifting appliance																									
gondola	1																							1	
lumberyard equipment, logging cableway			1																					1	
simple skyline yarding equipment																									
other powered crane	1	1			2	1	2		2			1	2							1	1			1	15
truck	4	8	7	8	10	8	6	10	7	3	1	10	7	5	3	3	8	4	7	7	3	5	5	5	144
forklift	1		1	2	2	3	1	3	2	1	2			1			2	1	2			1		3	28
railway equipment							1																		1
conveyor	2			3			2	2		1				1				1	1	1				1	15
loader																									
straddle carrier																									
rough terrain hauler											1														1
other powered conveying machines			1	1	1	1						1	1								1				7
cars, bus, motorcycle	6	6	3	3	8	11	5	3	5	7	5	3	7	4	4	10	4		9	1	3	6	2	4	119

railway vehicle	6				1										2										9
other vehicles	1					1			1	1											1				5
boiler				2								1					1	1							5
pressure vessel						6						2													8
other pressure vessels													1												1
chemical facilities				1		1			1	1						2									6
gas welding equipment											2	1					3				2				8
arc welding equipment						1	1	1			1	1	2												7
other welding equipment																									
kiln, caldron	1					1									1										3
industrial dryer																									
other kiln, caldron																									
transmission	10	6	5	7	2	11	9	3	5	10	3	4	2	2	1	4	6	5	6	3	1	1	4	2	112
electric power facilities	9	2	4	1	1	1	4	2	2	2	3	2		2		3		2	1				1	1	43
other electrical equipment	3	1	1					1		3						1	1	1							12
human power cranes	1	1		1					1	1					1						1	1	1		9
human power hauling equipment		1						1		1	1		1								1				6
human power machine																									
hand tool	1								1																2
ladder	6	4	8	5	2	3	4	7	4	4	7	2	5	3	5	2	4		1	2	1	1	5	5	90
slinging tool	1		2	1	1	2		2	3		2	1	1			1	1	1				2		2	23
other tools			1		1	1					1	1		1		1	1			1	2				11

load	2		2		1	1											2		1	1	1	1			12
machine/equipment as load		3	1			1	2	2	4			1	1	2	2					2	1	1			23
natural ground, rock	2	1	2	2	2	2	1		2	1			1	1	2	1	2			2		1	1	1	27
standing tree	1		1	2			1		1		1	2			1	1	2	2	1	2	3	1		1	23
water	2				1		2		1		1		34	1		1	1	1	1				1		47
abnormal environment		1			1		1	1											1			1	1		7
high/cold temperature environment		1	3	3	2	1		1	1	1		6	3	1	2		1	1		2	3	1	1	1	35
other environments						2				1	1		4		1	2							2	2	15
other causal agent			2	1	2			1				1						1				1	1		10
no causal agent								1			1	1	1	2		1	2	1	3	1	3				17
unclassifiable	1	1		1			1		1							1			1				1		8
total	112	89	89	85	88	100	87	83	102	81	73	69	111	61	51	65	71	54	63	59	54	54	47	56	1,804

Workers age of fatal accidents in other construction works in 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
19 years old or less	1	1	3	1	1	1	2	1	1	2		3	2	1	2	1					1	2		1	27
20-29	22	22	17	19	12	16	13	15	11	11	9	11	16	8	9	10	10	14	7	7	5	6	7	12	289
30-39	16	13	14	15	10	23	18	17	19	13	14	15	13	9	8	8	6	6	11	6	6	6	2	4	272
40-49	16	12	13	12	13	19	16	11	10	20	15	5	24	11	5	12	17	16	17	16	14	14	7	9	324
50-59	37	30	27	28	26	21	27	26	34	15	19	16	24	11	13	19	14	7	14	9	11	13	14	17	472
60 years old or more	20	11	15	10	26	20	11	13	27	20	16	19	32	21	14	15	24	11	14	21	17	13	17	13	420

August	13	16	4	7	12	13	11	10	8	5	6	6	8	7	9	4	10	7	4	2	3	5	4	5	179
September	12	6	6	4	6	9	11	6	16	9	9	3	4	10	4	5	4	7	6	8	5	4	5	5	164
October	6	4	7	10	7	11	6	3	11	6	7	4	2	4	2	2	7	2	3	10	7	2	5	5	133
November	13	8	6	5	7	5	10	3	4	7	5	2	11	7	4	5	3	1	3	6	10	5	5	3	138
December	7	7	7	10	3	5	5	12	6	3	12	5	10		1	4	4	5	5	3	2	4	6	1	127
total	112	89	89	85	88	100	87	83	102	81	73	69	111	61	51	65	71	54	63	59	54	54	47	56	1,804

Prefecture of fatal accidents in other construction works in 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
Hokkaido	5	5	6		6	4	3	3	10	5	5	2		1		2	8	4	4	2	2	2	2	5	86
Aomori	1				2	2	2	1	2	1	1	2	3	1	1	3	1	1		1			1		26
Iwate	3	2	1	3	1	4				1			12			2		1		1		1		1	33
Miyagi	4	4	1		1	1	3	1	1	1	1	3	17							2				1	41
Akita	1		1						1	3		1	1	1	1	1		1	2	2	1		1	2	20
Yamagata	1		1	1		1		1				1	1	1	1		1							1	11
Fukushima	1	2	2	3	3	3	6	2	2	1	2	4	18	3	5	2	5	4	1	4	4	4	2	2	85
Ibaraki	2		4	6		3	5	2	6	2	2		6	2	3	3	4		1	3	3	1		3	61
Tochigi	2		1	1		1	1	2		2	2	4	2	1	1	1	1	1	1			1	1		26
Gunma	2	1	2	1			4		3	2	1	1	2			5	1	2		3					30
Saitama	3	1	3	4	1	3	3	3	2	5	5	1	1	3	1	3	4	3	1	2	4	2	2	2	62
Chiba	5	5	4	5	5	5	2	8	2	3	5	4	4	2	4	8	3	5	2	3	4	4			92
Tokyo	8	11	12	6	5	8	3	5	9		2	4	5	2	4	2	7	5	5	4		4	3	8	122

Kanagawa	5	5	4	4	6	5	2	4	5	4	4	1	3	4	3		1	4			1	1	1	1	68	
Niigata	6			1		1		4	2	1	2			1	3		2	2	1		2	2		1	31	
Toyama				1	1	1					1					1	1					1			7	
Ishikawa	1	1	1	2		2		1					1	1		2			2	1		1	1		17	
Fukui				2		5			1	3	1	1	2	2	1		3	1	2			1		1	26	
Yamanashi	2	1	2	1	1				1			3		1						1			1		14	
Nagano	3	1	1	1	1	3	1	2	1		2	3		1		4		1	1	1	1		1	3	32	
Gifu	2	1		1	2	2	3		1	3	3	1	1	1	1	1	2	2			1	1	1		30	
Shizuoka	1			2	1	2	4	2	2	4	1	2	4	1		1	2			1	3	1	2	4	40	
Aichi	7	6	7	3	10	4	3	3	4	6	1	4	3	5	2	3	7		3	3	4	4		2	94	
Mie		4		1	4	1	2	5	5	1		3			1	3		1	3	3		5	1	2	45	
Shiga	1	3		4	2	5	2	1		1	1	1	1		1				2	2	1	4			32	
Kyoto	1	1	2	1	1	2	1	2	3	3	2	3	1	1		1			1				1		27	
Osaka	6	7	9	5	8	3	6	4	11	6	11	4	8	9	3	3	3	2	6	6	6	2	4	3	135	
Hyogo	3	8	5	6	5	4	5	5	6	7	6	5	2	1	1	2	4	1	3	2	1	3	2	2	89	
Nara	1	1							2		1			1							1	1	3		11	
Wakayama	3				2				2	1			2	1							1			1	13	
Tottori																							1		1	
Shimane	1		1				1	1	1		2	1				1		1							10	
Okayama	2	1	4	3	1	2	2	2	3	1		3	1	2	2	2	1	1	2	1	3	1	2	1	43	
Hiroshima	3	2	3	3	1	3	2	3	4		1		1	2	1	1		1	4		1		1	1	38	
Yamaguchi	2	1	2	1	3	2		2	1		2		1		1	1	1	1	2	3	1	2	2	2	33	
Tokushima		1		2	1	2	1		1	1					3							1		2	1	16

Kagawa	2			1		1	1	1		1		1	1			1								11	
Ehime	2		2		4			6	1	1		1		1	1		1		2	1	3	1	1	2	30
Kochi	2			1	1	1		1			1		1	1						1					10
Fukuoka	7	6	1	4	5	4	8	2	2	4	3		2	2	2	3	1	1		2	1	1	4		65
Saga								1						1			2						1	1	6
Nagasaki	2	3	2	2			1			1		1	1		2	1	1	1	2						20
Kumamoto	1	1	1		1		2	1	2	2				2	1		1	2	2	1		1		1	22
Oita	3		2	1	1	2	5		2	2	1		1	3		1	1	2	3		1	2	1	1	35
Miyazaki	1	2	1	1	1	6	2	1				1						2		1			1		20
Kagoshima	4			1		1		1					1	1				1	1	2	1	1		1	16
Okinawa		2	1		1	1	1		1	2	1	2	1		1	1	1		2	1	2		1		22
total	112	89	89	85	88	100	87	83	102	81	73	69	111	61	51	65	71	54	63	59	54	54	47	56	1,804

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

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