

## Industrial accidents in other building construction work in Japan in 1999-2020

other building construction work industry Code No.030209

### Type of accidents in other building construction work in 1999-2020

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
fall from height	1,502	1,578	1,546	1,485	1,581	1,593	1,575	1,611	1,470	1,418	1,276	1,260	1,407	1,401	1,356	1,402	1,317	1,114	1,113	1,211	1,223	1,143
falling to same level	339	359	323	344	323	328	353	345	329	320	302	300	311	306	319	330	319	273	304	300	331	351
crash	218	212	197	182	192	198	167	177	183	171	153	172	170	158	142	154	128	146	109	139	132	157
struck by flying or falling object	460	471	496	424	439	447	426	433	424	408	356	340	344	384	370	327	317	278	277	301	306	287
collapse	111	121	96	124	122	99	120	118	141	114	92	92	103	94	107	89	72	88	93	85	100	87
crashed by	143	149	157	177	130	144	144	167	173	126	123	135	122	126	110	137	128	115	105	148	118	113
caught in/between	372	427	409	364	361	336	330	356	344	315	311	285	310	284	322	268	266	261	234	292	297	317
cut	443	467	433	447	427	396	395	422	450	371	346	339	355	369	325	328	306	272	258	251	263	294
injury to the sole of the foot	36	29	44	42	32	40	48	44	56	34	35	40	29	44	33	35	29	30	22	30	32	37
drown	1	1	0	-	0	-	1	1	0	1	1	0	18	0	0	0	0	0	2	2	0	0

contact to high/low-temperature	35	34	26	26	26	47	38	36	33	25	15	37	44	34	34	38	29	37	30	53	40	43
contact to harmful substance	15	11	21	16	17	21	30	27	7	27	6	12	22	18	7	17	14	13	12	25	22	9
electric shock	5	6	4	6	4	5	8	4	6	8	4	5	5	9	5	6	3	5	1	7	6	2
explosion	4	1	9	2	1	-	1	4	5	0	4	3	1	4	1	3	4	0	2	1	1	1
burst	0	1	4	-	1	3	0	2	1	0	0	0	0	0	1	0	0	0	0	2	2	3
fire	4	5	5	9	4	2	3	5	10	5	3	7	2	2	0	5	4	2	3	1	1	2
traffic accident (public road)	80	90	87	94	78	94	88	88	63	109	70	97	93	104	78	116	101	114	88	105	81	116
traffic accident (others)	2	1	2	1	0	1	1	2	0	0	0	0	1	1	2	1	0	0	1	3	1	0
reaction to motion/improper motion	196	225	234	184	214	178	192	205	229	206	193	216	178	179	196	184	187	166	192	180	198	225
others	12	28	17	11	27	14	11	24	18	15	18	17	25	22	18	10	11	7	12	12	11	82
unclassifiable	5	4	7	3	4	5	2	13	2	2	3	1	3	1	1	2	2	2	1	4	1	1
total	3,983	4,220	4,117	3,941	3,983	3,951	3,933	4,084	3,944	3,675	3,311	3,358	3,543	3,540	3,427	3,452	3,237	2,923	2,859	3,152	3,166	3,270

Causal agents (middle) of industrial accidents in other building construction work in 1999-2020

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
engine	3	2	1	-	1	2	1	1	0	6	0	0	1	4	2	0	0	5	0	2	1	1
power transmission mechanism	1	4	4	1	3	1	2	2	2	3	0	1	0	1	2	0	2	0	1	1	2	0
woodworking machine	242	239	232	212	206	186	186	169	229	185	173	144	160	152	143	129	107	100	92	96	96	96
construction machine	142	168	141	147	132	158	133	137	163	127	138	141	160	158	164	160	153	135	124	187	131	140
metal manufacturing machine	84	108	95	108	102	89	91	106	99	104	81	102	90	104	76	88	84	66	81	76	84	79
general machine	96	90	77	81	68	85	84	67	66	47	72	59	71	49	46	54	61	44	38	42	59	57
mobile silviculture machine																	1	0	2	0	1	0
crane	84	99	99	97	92	75	95	84	88	91	84	65	64	64	72	60	67	60	53	60	66	66
conveying	279	305	303	313	313	299	320	303	283	288	250	237	243	286	283	263	260	256	239	246	282	294





machine			30		18		20	21	21	19	16	13	7	9	9	6	10	10	7	12	3	10
hollow chisel mortiser, wood borer			5		4		1	0	2	1	2	3	1	1	1	1	1	1	1	0	0	0
chamfering machine, router, woodworking milling machine			0		0		0	0	1	0	1	0	1	0	0	0	0	1	1	1	0	0
chain saw			12		12		12	10	18	9	17	10	9	18	10	13	18	11	15	19	10	18
other woodworking machines			37		30		29	23	37	31	26	24	29	19	28	17	14	17	12	12	23	13
leveling, transporting or loading machine			9		13		14	16	14	10	10	19	22	20	10	10	10	10	12	24	15	11
excavating machine			59		41		48	51	49	41	49	49	62	66	55	49	50	46	45	65	44	47
foundation work machine			5		3		4	2	6	2	3	4	4	3	9	6	12	7	4	6	6	12
hardening machine			7		4		1	3	6	3	5	1	3	1	1	4	5	3	1	5	2	2
demolition machine			27		29		28	27	37	40	23	20	36	21	58	57	52	49	41	55	42	49
vehicle for high lift work			6		7		5	6	13	10	4	9	5	9	6	6	3	2	8	10	9	8

other construction machines			28	35		33	32	38	21	44	39	28	38	25	28	21	18	13	22	13	11	
lathe			3	0		0	0	2	1	0	1	1	3	0	1	0	2	0	1	1	1	
drill press, milling machine			4	1		4	4	5	4	3	2	4	2	2	1	2	1	1	0	1	0	
grinding machine, buffing machine			38	48		45	57	60	48	49	60	55	58	34	45	41	40	44	36	48	39	
power press			3	3		2	5	2	1	3	1	1	2	3	2	2	4	6	8	0	4	
forging pressure hammer			0	1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
shearing machine			1	3		1	1	0	2	2	3	1	1	2	3	2	2	0	0	1	3	
other metal manufacturing machines			46	46		39	39	30	48	24	35	28	38	35	36	37	17	30	31	32	32	
centrifugal machine			0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
mixer, grinder			11	9		12	11	4	4	9	12	9	5	8	5	1	7	5	8	2	9	
roll machine (except printingroll machine)			0	0		0	1	4	0	1	1	0	0	1	0	1	0	0	0	0	0	
injection molding machine			0	0		0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	









hauling equipment			11		11		15	15	14	24	10	12	14	18	9	25	17	11	10	13	9	12
human power machine			3		4		5	5	4	4	4	5	3	3	2	2	1	3	3	1	1	2
hand tool			138		116		127	120	131	111	98	121	109	98	107	89	87	80	81	99	88	90
ladder			480		488		472	521	487	472	430	425	426	447	420	439	429	363	373	372	352	344
slinging tool			20		18		17	16	17	19	16	10	12	13	12	18	12	13	14	8	13	8
other tools			62		53		51	57	64	66	40	48	46	52	46	50	39	50	46	42	48	56
other equipment, facilities			29		28		38	45	33	34	30	36	24	35	27	30	27	31	30	37	26	42
scaffolding			372		357		350	387	349	289	271	252	296	293	315	306	278	214	198	243	263	227
timbering			9		5		6	8	5	2	6	4	3	5	2	5	4	5	3	2	3	1
stairs, landing stage			94		103		93	75	87	85	82	71	90	84	69	77	88	93	86	88	99	92
opening			24		31		27	25	32	33	28	21	28	22	27	24	38	34	25	31	34	30
roof, beam, haze, crossbeam, principal rafter			348		346		369	355	292	285	247	286	356	324	304	294	288	213	209	269	263	213
working platform, boot board			98		108		91	97	92	103	82	85	89	96	72	78	84	60	63	65	82	92
passage			113		97		121	126	126	100	95	120	137	110	112	122	101	110	115	128	136	148
building,			215		190		164	199	176	172	180	137	180	164	181	197	157	146	161	154	152	155





30-39	641	677	684	758	740	793	809	874	885	741	691	750	751	765	705	641	598	530	522	580	548	588
40-49	713	726	670	580	626	597	529	623	583	589	563	549	670	681	654	692	661	604	646	665	636	655
50-59	949	1,041	1,025	937	1,027	981	1,020	1,005	967	843	730	659	662	643	588	596	590	487	502	568	583	548
60 years old or more	653	660	611	626	646	647	682	689	664	681	624	706	689	702	717	794	733	636	607	669	696	665
total	3,983	4,220	4,117	3,941	3,983	3,951	3,933	4,084	3,944	3,675	3,311	3,358	3,543	3,540	3,427	3,452	3,237	2,923	2,859	3,152	3,166	3,270

#### Workers' number of workplace of industrial accidents in other building construction work in 1999-2020

Workers scale	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
9 workers or less	2,697	2,926	2,833	2,713	2,738	2,759	2,688	2,804	2,690	2,503	2,255	2,300	2,465	2,433	2,361	2,330	2,173	1,912	1,855	2,059	2,028	1,993
10-29	996	1,003	994	961	949	928	988	949	930	881	797	817	799	848	799	809	778	767	743	791	838	898
30-49	189	183	197	159	170	150	177	196	194	171	155	155	180	166	152	197	150	166	159	191	187	212
50-99	71	71	68	83	87	82	54	98	90	78	76	52	65	63	82	76	97	56	70	75	83	97
100-299	28	31	23	22	34	28	20	32	34	36	23	25	29	25	29	36	32	18	30	30	23	41
300 workers or more	2	6	2	3	5	4	6	5	6	6	5	9	5	5	4	4	7	4	2	6	7	29
total	3,983	4,220	4,117	3,941	3,983	3,951	3,933	4,084	3,944	3,675	3,311	3,358	3,543	3,540	3,427	3,452	3,237	2,923	2,859	3,152	3,166	3,270

#### Month of industrial accidents in other building construction work in 1999-2020

Month	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
January	288	254	271	264	277	281	261	287	229	262	218	240	263	218	243	223	246	215	217	235	238	218
February	292	328	344	286	308	281	298	288	308	293	255	266	270	288	233	271	251	263	228	219	251	256
March	336	377	368	342	369	329	330	350	371	328	281	251	363	297	280	305	277	252	265	280	276	290
April	310	328	318	366	290	310	361	323	321	348	259	285	287	269	277	340	277	270	223	284	258	285
May	317	359	336	351	303	287	334	351	342	311	252	261	259	306	322	294	258	230	218	248	245	230
June	361	358	363	328	321	372	352	361	365	309	280	303	303	320	294	258	294	253	270	282	248	317
July	363	395	416	384	346	392	330	344	324	378	281	295	327	313	308	284	317	264	271	318	311	329
August	367	404	311	326	343	303	356	373	371	322	300	319	314	327	313	289	258	237	259	265	286	276
September	359	337	367	295	386	391	358	389	351	314	303	294	283	323	283	318	296	237	244	253	287	304
October	386	398	388	334	400	346	345	349	348	306	332	298	299	332	322	323	287	218	218	280	288	267
November	333	345	350	372	333	354	318	361	349	287	293	300	296	299	307	288	260	271	239	251	261	241
December	271	337	285	293	307	305	290	308	265	217	257	246	279	248	245	259	216	213	207	237	217	257
total	3,983	4,220	4,117	3,941	3,983	3,951	3,933	4,084	3,944	3,675	3,311	3,358	3,543	3,540	3,427	3,452	3,237	2,923	2,859	3,152	3,166	3,270

Prefecture of industrial accidents in other building construction work in 1999-2020

Prefecture	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Hokkaido	349	333	317		243		298	319	282	296	265	273	242	311	290	291	277	205	197	232	243	187
Aomori	16	6	22		11		11	7	13	6	10	9	12	12	10	13	6	9	10	8	14	7

Iwate	58	53	28		45		68	66	67	41	41	47	71	52	49	34	48	25	32	32	29	32
Miyagi	35	47	37		54		28	34	34	23	27	22	46	50	42	43	62	37	28	41	44	32
Akita	76	50	67		41		44	42	25	36	28	30	34	44	31	35	8	17	12	10	8	16
Yamagata	59	52	49		45		61	43	44	39	29	33	45	59	42	55	56	33	36	54	41	35
Fukushima	47	54	64		72		59	52	39	57	61	45	101	84	106	97	55	61	46	60	50	83
Ibaraki	82	92	72		56		67	67	62	81	60	64	137	95	80	87	67	69	84	68	71	64
Tochigi	70	87	57		73		55	58	62	68	67	72	52	55	40	48	57	59	59	54	36	56
Gunma	107	86	68		83		72	61	67	58	45	48	50	61	60	56	30	34	41	55	38	47
Saitama	135	198	184		190		177	199	232	176	180	189	198	158	164	177	164	147	143	142	133	145
Chiba	133	125	110		110		111	115	110	114	147	142	118	132	132	149	154	128	128	130	190	223
Tokyo	349	322	337		345		336	385	449	472	418	381	368	319	344	360	308	285	327	304	294	315
Kanagawa	192	224	203		254		226	225	232	225	196	226	225	265	225	218	202	183	177	174	212	223
Niigata	86	86	109		107		102	154	89	90	78	104	99	97	110	87	99	83	72	91	88	110
Toyama	30	51	32		34		55	53	46	43	29	35	28	29	20	24	33	26	38	37	36	22
Ishikawa	31	23	21		24		18	23	33	24	30	5	8	6	12	16	16	12	15	11	10	13
Fukui	47	42	24		21		22	29	37	23	18	34	31	21	10	18	21	18	23	38	35	26
Yamanashi	23	26	21		22		33	22	31	24	14	16	19	38	29	39	37	23	20	24	29	26
Nagano	80	78	93		72		73	66	73	57	49	55	57	67	58	54	65	56	56	69	55	62
Gifu	67	75	65		82		74	68	76	71	46	57	57	32	66	59	57	51	43	64	55	57
Shizuoka	120	122	115		138		138	156	152	178	144	136	120	120	118	53	58	75	81	87	94	80



Aichi	142	158	211		153		135	131	122	119	112	112	134	97	135	108	102	109	106	125	109	140
Mie	52	53	60		64		63	90	71	83	76	70	71	70	61	57	50	32	24	48	70	65
Shiga	26	39	57		26		27	52	24	24	27	33	37	32	29	32	29	18	25	17	15	36
Kyoto	81	92	74		82		59	58	73	64	30	41	55	54	60	63	68	42	59	44	49	55
Osaka	368	486	531		423		423	437	395	289	257	241	240	269	186	193	220	183	180	221	260	205
Hyogo	202	176	144		126		139	118	132	94	90	126	112	125	116	154	121	96	81	98	78	71
Nara	29	44	33		61		40	34	42	49	37	28	21	23	42	17	26	9	14	20	23	17
Wakayama	45	48	32		32		45	43	40	34	24	36	21	43	31	39	23	23	25	40	30	32
Tottori	14	22	20		15		19	21	16	8	8	6	21	14	11	7	11	12	8	22	35	21
Shimane	19	21	25		29		16	21	31	13	20	18	31	29	25	29	15	26	23	21	14	19
Okayama	42	75	67		58		58	55	68	56	54	51	37	42	38	55	61	48	36	28	31	47
Hiroshima	60	85	89		81		74	59	65	68	57	38	61	55	64	57	59	60	61	65	79	63
Yamaguchi	79	70	42		54		46	47	28	34	36	42	50	31	41	49	28	41	24	28	32	21
Tokushima	39	34	32		46		41	32	36	42	32	27	24	31	39	37	27	33	26	24	38	34
Kagawa	55	41	44		46		14	34	34	26	36	38	38	34	40	44	41	44	32	38	32	24
Ehime	62	55	54		75		61	47	48	59	42	42	59	60	48	40	32	41	37	38	23	30
Kochi	29	41	44		40		33	28	23	18	24	23	30	20	28	20	38	24	24	31	28	20
Fukuoka	171	134	141		122		153	183	161	134	126	118	112	137	139	143	115	129	132	149	121	139
Saga	15	37	29		24		28	30	19	17	16	16	21	29	21	35	29	33	22	25	23	32
Nagasaki	30	64	50		40		49	63	61	35	41	36	45	56	35	36	37	49	36	39	42	60





traffic accident (others)	0	0	0	1	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0
reaction to motion/improper motion	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
others	0	0	1	0	2	0	5	1	2	0	2	0	17	0	1	0	1	0	0	0	2	3
unclassifiable	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0
total	75	78	69	80	70	81	79	78	76	66	59	65	88	65	67	75	52	54	47	51	53	41

Causal agents (middle) of fatal accidents in other building construction work in 1999-2020

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
engine	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0
power transmission mechanism	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
woodworking machine	0	0	0	0	0	0	1	0	0	1	0	0	1	1	0	1	0	0	0	0	0	0
construction machine	5	6	6	6	3	8	3	8	8	3	4	5	3	6	4	4	4	5	2	4	5	3
metal manufacturing machine	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
general machine	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	1
mobile silviculture machine																	0	0	0	0	0	0
crane	0	2	1	3	2	0	8	6	3	0	1	2	1	4	4	5	2	1	1	1	3	2
conveying machine	6	8	6	6	8	7	3	4	3	7	3	4	2	4	2	6	4	7	2	4	4	2

vehicle	4	4	6	4	3	0	6	1	5	1	3	2	4	1	1	2	1	4	4	3	3	2
pressure vessel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
chemical facilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
welding equipment	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0
kiln, caldron	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
electric equipment	0	0	0	1	0	1	1	1	1	1	1	1	0	1	0	0	0	2	0	1	0	1
human power machine, tools	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
tools	2	2	5	0	4	7	2	6	5	4	5	5	5	5	5	3	1	2	4	3	2	2
other equipments, facilities	0	0	1	0	0	0	2	0	0	0	1	1	0	0	0	0	0	1	0	1	0	1
temporary buildings, establishments	47	51	38	48	42	47	44	39	39	45	37	42	35	38	45	44	32	25	31	30	23	20
hazards, harmful substances	3	0	0	1	2	3	0	2	7	0	0	2	0	1	1	2	4	0	0	0	1	0
materials	1	1	0	3	1	3	2	2	1	0	0	0	0	2	0	3	0	0	0	1	1	1
load	2	0	0	0	0	0	1	0	0	1	0	0	1	0	1	0	0	3	1	0	4	0
natural environment	2	4	6	3	4	4	2	6	0	2	1	0	36	2	3	3	2	2	2	3	5	2
other causal agent	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
no causal agent	1	0	0	0	0	0	1	1	3	0	2	0	0	0	1	0	1	0	0	0	2	2
unclassifiable	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	1	1	0	0	0	0	0
total	75	78	69	80	70	81	79	78	76	66	59	65	88	65	67	75	52	54	47	51	53	41

Causal agents (small) of fatal accidents in other building construction work in 1999-2020

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
engine	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0
power transmission mechanism	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
circular sawing machine	0	0	0	0	0	0	1	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0
band sawing machine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
wood planer machine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
hollow chisel mortiser, wood borer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
chamfering machine, router, woodworking milling machine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
chain saw	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
other woodworking machines	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
leveling, transporting or loading machine	1	0	0	0	0	0	1	0	2	0	1	1	0	0	1	0	0	1	0	0	1	0
excavating machine	4	4	3	2	0	2	0	2	3	0	0	2	1	2	2	1	1	1	1	2	2	0
foundation work machine	0	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0









other kiln, caldron	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
transmission	0	0	0	1	0	1	0	1	0	1	1	1	0	1	0	0	0	2	0	1	0	1
electric power facilities	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
other electrical equipment	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
human power cranes	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
human power hauling equipment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
human power machine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
hand tool	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
ladder	1	1	4	0	2	6	2	4	5	3	5	5	4	5	5	3	0	0	4	2	2	2
slinging tool	1	0	1	0	2	1	0	2	0	0	0	0	0	0	0	0	1	1	0	1	0	0
other tools	0	1	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	1	0	0	0	0
other equipment, facilities	0	0	1	0	0	0	2	0	0	0	1	1	0	0	0	0	0	1	0	1	0	1
scaffolding	16	12	15	9	10	9	13	10	7	7	8	15	8	6	10	12	9	0	10	8	6	4
timbering	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
stairs, landing stage	1	2	0	1	0	1	0	0	1	0	3	0	1	1	0	1	0	0	1	1	1	0
opening	0	1	4	7	2	3	3	5	1	2	3	1	2	2	2	2	2	1	1	2	0	1
roof, beam, haze, crossbeam, principal rafter	18	15	14	18	13	21	16	16	15	16	16	15	17	14	27	15	15	12	8	13	8	7
working platform, boot	5	2	0	0	2	3	2	0	4	1	2	0	3	2	0	2	0	2	1	1	2	0



water	1	0	1	0	1	0	0	0	0	0	0	0	34	0	0	0	0	0	0	0	0	0	0
abnormal environment	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
high/cold temperature environment	1	2	4	3	2	2	2	2	0	2	1	0	1	0	3	2	1	2	2	2	5	2	
other environments	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	
other causal agent	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
no causal agent	1	0	0	0	0	0	1	1	3	0	2	0	0	0	1	0	1	0	0	0	2	2	
unclassifiable	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	1	1	0	0	0	0	0	
total	75	78	69	80	70	81	79	78	76	66	59	65	88	65	67	75	52	54	47	51	53	41	

Workers age of fatal accidents in other building construction work in 1999-2020

Age	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
19 years old or less	0	2	0	2	4	3	1	2	1	1	3	4	0	2	2	3	2	1	1	2	0	0
20-29	18	7	9	17	11	12	15	10	13	4	17	14	8	7	7	9	6	5	8	7	6	4
30-39	8	14	14	13	8	10	9	10	13	13	5	9	13	12	7	11	4	8	7	7	9	5
40-49	16	8	10	10	11	9	8	11	11	13	10	8	11	8	12	13	5	12	10	5	8	7
50-59	16	30	15	20	18	30	25	31	13	15	12	10	29	13	15	14	11	15	5	12	11	14
60 years old or more	17	17	21	18	18	17	21	14	25	20	12	20	27	23	24	25	24	13	16	18	19	11
total	75	78	69	80	70	81	79	78	76	66	59	65	88	65	67	75	52	54	47	51	53	41

### Workers' number of workplace of fatal accidents in other building construction work in 1999-2020

Workers scale	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
9 workers or less	47	43	37	50	41	53	53	56	50	46	36	40	53	43	53	52	36	34	38	34	34	28
10-29	24	29	21	19	24	23	19	17	18	11	16	21	27	19	8	14	13	16	8	14	14	9
30-49	2	4	6	5	1	3	5	1	8	5	5	1	6	2	2	6	1	4	1	1	2	4
50-99	2	1	4	5	3	2	2	3	0	4	2	0	0	0	3	2	1	0	0	0	1	0
100-299	0	1	1	0	1	0	0	0	0	0	0	3	2	1	1	1	1	0	0	2	2	0
300 workers or more	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
total	75	78	69	80	70	81	79	78	76	66	59	65	88	65	67	75	52	54	47	51	53	41

### Month of fatal accidents in other building construction work in 1999-2020

Month	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
January	9	4	4	4	6	4	3	2	10	7	5	3	5	5	3	6	5	7	2	4	3	4
February	4	6	7	8	3	6	5	9	6	3	4	6	3	5	2	7	2	5	4	4	6	4
March	6	13	5	5	8	6	14	8	7	5	9	6	37	6	5	9	7	5	4	3	3	5
April	7	4	5	9	11	7	9	8	3	4	1	5	5	3	0	0	6	4	4	2	3	2
May	2	8	1	1	6	4	6	5	6	9	0	5	5	5	5	9	5	3	3	3	2	2
June	9	4	2	0	2	3	4	3	2	2	6	10	5	5	7	5	4	1	3	4	0	6

July	8	9	14	16	8	9	4	6	4	5	7	6	5	5	4	10	2	5	8	6	8	3
August	3	4	5	5	9	7	9	9	8	7	8	8	2	8	6	7	5	5	6	1	7	2
September	6	4	10	2	8	15	1	6	8	8	4	9	6	2	9	8	6	5	4	10	5	4
October	4	10	7	7	5	11	7	6	7	4	5	1	3	9	10	5	5	2	3	6	2	1
November	10	6	4	8	3	6	12	6	6	9	8	3	8	7	9	4	3	8	4	2	6	3
December	7	6	5	15	1	3	5	10	9	3	2	3	4	5	7	5	2	4	2	6	8	5
total	75	78	69	80	70	81	79	78	76	66	59	65	88	65	67	75	52	54	47	51	53	41

Prefecture of fatal accidents in other building construction work in 1999-2020

Prefecture	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Hokkaido	7	3	2	9	2	4	3	3	5	3	5	6	3	4	4	4	3	8	4	3	5	2
Aomori	0	0	4	0	1	0	0	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0
Iwate	0	1	1	1	0	1	1	0	1	0	1	0	17	1	1	0	1	0	3	0	0	2
Miyagi	0	3	0	1	1	1	1	1	0	0	1	0	17	0	0	1	1	0	0	0	1	0
Akita	1	0	1	1	0	0	0	2	0	1	2	0	0	0	0	0	0	0	0	1	0	1
Yamagata	1	0	1	1	0	1	0	1	1	1	0	0	0	2	1	4	0	0	1	1	3	1
Fukushima	2	1	1	1	2	2	0	1	2	4	0	0	4	1	3	0	0	0	0	0	0	2
Ibaraki	1	3	1	3	2	2	1	3	6	1	3	1	3	0	2	4	1	2	2	0	1	0
Tochigi	1	1	0	1	3	0	1	1	0	1	0	2	4	3	0	4	0	2	2	0	2	0

Gunma	0	0	1	2	2	4	0	0	2	2	1	0	0	3	2	1	0	1	0	1	0	0
Saitama	5	3	3	5	1	3	5	2	2	4	4	2	2	2	5	3	6	1	2	3	1	3
Chiba	5	1	3	2	3	1	0	2	4	4	4	3	1	4	3	6	2	3	3	2	4	3
Tokyo	9	17	10	8	6	10	9	12	9	9	2	5	0	6	5	11	8	5	6	2	1	1
Kanagawa	1	1	1	3	3	1	2	1	4	2	6	6	7	5	4	7	1	0	0	3	3	2
Niigata	3	0	4	1	1	2	4	1	1	1	0	0	0	2	1	1	1	0	0	1	2	0
Toyama	0	2	0	0	0	1	3	2	0	0	0	0	0	0	0	0	0	2	1	0	1	0
Ishikawa	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Fukui	1	0	0	0	0	0	1	0	0	1	0	1	0	0	0	0	1	1	0	1	0	0
Yamanashi	0	2	0	0	1	0	0	0	1	0	0	1	0	2	1	0	1	2	0	0	0	0
Nagano	0	1	4	1	1	0	3	2	3	1	1	0	2	1	1	0	1	1	0	0	0	1
Gifu	0	2	0	2	4	0	1	2	3	0	0	2	2	0	0	0	2	1	0	3	0	1
Shizuoka	3	1	4	4	2	3	2	4	3	3	0	5	2	3	0	0	1	0	1	0	0	0
Aichi	2	5	8	5	5	3	1	10	4	3	1	4	4	5	2	3	3	0	0	1	5	2
Mie	0	0	0	0	0	0	2	1	0	0	1	0	1	0	1	0	0	1	0	1	0	0
Shiga	0	1	0	1	2	0	2	0	1	1	0	0	1	1	1	1	0	0	0	0	0	0
Kyoto	0	1	2	1	3	1	2	0	3	2	1	2	1	0	0	0	1	1	2	1	1	1
Osaka	1	4	2	5	8	4	11	12	10	12	3	6	6	3	10	3	4	4	4	10	6	0
Hyogo	7	4	5	1	4	8	2	3	2	3	5	8	0	4	2	5	1	0	1	0	2	0
Nara	1	1	0	0	0	0	1	0	0	1	1	0	1	0	1	1	0	0	1	0	0	1

Wakayama	1	2	0	0	0	1	1	1	0	0	0	2	0	0	0	1	0	2	0	2	0	0
Tottori	0	0	1	1	2	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0
Shimane	1	1	0	0	0	0	0	0	2	0	0	1	0	0	0	0	0	0	0	0	1	1
Okayama	2	3	0	6	0	1	2	2	0	0	1	1	2	1	1	1	0	2	0	1	1	4
Hiroshima	1	1	1	1	2	4	2	0	1	0	0	0	1	2	1	3	1	1	1	0	0	2
Yamaguchi	4	3	2	3	0	2	1	0	1	0	3	0	0	0	0	1	0	1	1	0	1	1
Tokushima	0	0	0	1	0	1	0	0	0	0	0	0	0	2	1	1	0	2	0	0	0	1
Kagawa	0	1	0	1	0	0	1	0	0	0	1	0	1	0	0	1	1	0	0	0	0	0
Ehime	0	0	2	0	2	2	2	0	0	1	0	1	0	1	1	1	0	0	1	2	1	0
Kochi	1	0	0	0	0	1	2	0	0	0	0	0	0	0	1	0	0	0	1	2	3	0
Fukuoka	3	3	1	4	1	5	3	3	0	2	2	2	3	4	3	2	4	4	3	5	1	2
Saga	1	1	1	1	0	0	0	2	0	0	0	1	0	0	1	1	0	2	0	1	0	0
Nagasaki	1	1	1	0	1	5	1	0	1	2	3	0	1	2	3	1	3	3	1	3	2	2
Kumamoto	2	1	0	1	3	4	1	1	0	0	2	0	1	0	1	0	1	0	3	0	0	0
Oita	2	1	1	1	0	0	2	0	1	1	2	1	1	1	1	1	1	1	0	1	0	0
Miyazaki	2	2	0	0	0	0	2	1	1	0	0	0	0	0	0	1	1	0	1	0	1	2
Kagoshima	1	0	1	0	1	3	1	1	2	0	0	0	0	0	1	1	0	0	2	0	3	1
Okinawa	2	0	0	1	0	0	0	0	0	0	2	1	0	0	0	0	1	1	0	0	0	2
total	75	78	69	80	70	81	79	78	76	66	59	65	88	65	67	75	52	54	47	51	53	41



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

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