

Fatal and non-fatal accidents in construction in Japan in 1999-2022

construction industry Code No.03

Type of accidents in construction in 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
fall from height	10,040	9,824	9,284	8,746	8,254	8,312	7,974	7,819	7,141	6,629	5,558	5,408	5,802	5,892	5,983	5,941	5,377	5,184	5,163	5,154	5,171	4,756	4,869	4,594	158,875
falling to same level	2,618	2,471	2,297	2,187	2,098	2,003	2,011	1,996	1,865	1,781	1,461	1,457	1,592	1,658	1,621	1,795	1,546	1,512	1,573	1,616	1,589	1,672	1,666	1,734	43,819
crash	1,445	1,352	1,247	1,110	1,054	996	992	1,012	936	831	696	767	754	703	780	749	691	668	680	636	695	704	690	684	20,872
struck by flying or falling object	3,548	3,464	3,260	2,925	2,678	2,646	2,502	2,412	2,238	2,150	1,785	1,672	1,763	1,801	1,802	1,655	1,545	1,457	1,478	1,432	1,431	1,370	1,363	1,318	49,695
collapse	1,030	998	918	944	817	767	742	758	732	660	537	508	556	538	557	569	482	475	497	489	482	452	447	428	15,383
crashed by	1,715	1,607	1,554	1,436	1,330	1,248	1,190	1,158	1,126	1,000	844	851	841	873	840	850	842	734	734	832	842	791	825	800	24,863
caught in/between	3,720	3,552	3,394	3,164	2,816	2,687	2,541	2,414	2,271	2,119	1,906	1,752	1,811	1,873	1,889	1,892	1,731	1,585	1,663	1,731	1,693	1,669	1,676	1,706	53,255
cut	3,648	3,499	3,279	3,099	2,857	2,641	2,418	2,290	2,098	1,940	1,670	1,673	1,640	1,646	1,632	1,568	1,409	1,422	1,312	1,267	1,240	1,257	1,339	1,272	48,116
injury to the sole of the foot	189	152	207	155	165	157	170	154	138	107	93	106	131	131	105	124	108	96	98	103	100	99	115	92	3,095
drown	15	8	8	10	11	9	11	10	7	18	13	5	113	15	4	16	5	6	10	15	4	6	10	3	332
contact to high/low-temperature	238	236	280	255	220	269	216	203	225	193	134	286	242	233	234	237	210	208	210	340	238	289	210	233	5,639
contact to harmful substance	99	120	108	95	122	96	103	118	86	84	59	69	82	72	62	74	75	95	76	91	86	76	74	73	2,095
electric shock	86	91	68	72	47	71	66	51	66	67	44	50	35	41	45	59	43	35	27	47	37	36	43	37	1,264
explosion	36	24	39	19	12	22	24	17	19	14	14	21	6	17	11	10	8	4	10	7	5	11	7	11	368
burst	22	15	17	18	12	24	12	10	10	8	11	5	9	9	6	7	6	8	7	8	6	8	5	2	245

fire	26	27	30	30	37	19	15	40	29	26	21	23	15	14	10	20	17	16	11	36	25	10	5	8	510
traffic accident (public road)	903	811	779	787	767	686	737	720	605	588	464	526	563	631	624	671	594	658	587	598	559	542	500	479	15,379
traffic accident (others)	25	12	8	17	3	5	18	9	9	4	5	4	6	7	5	11	3	4	8	8	9	5	8	7	200
reaction to motion/improper motion	1,351	1,325	1,369	1,127	1,110	1,009	995	1,020	1,036	947	860	882	865	812	873	844	793	813	880	875	885	947	981	940	23,539
others	115	124	112	81	111	124	114	136	105	98	78	69	150	96	86	78	87	68	95	77	72	270	1,236	111	3,693
unclassifiable	36	35	26	22	22	18	18	39	22	16	15	9	7	11	20	14	12	10	10	12	14	7	10	7	412
total	30,905	29,747	28,284	26,299	24,543	23,809	22,869	22,386	20,764	19,280	16,268	16,143	16,983	17,073	17,189	17,184	15,584	15,058	15,129	15,374	15,183	14,977	16,079	14,539	471,649

Causal agents (large) of fatal and non-fatal accidents in construction 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	5,761	5,474	5,071	4,792	4,430	4,120	3,891	3,674	3,429	3,258	2,853	2,781	2,810	2,777	2,732	2,722	2,425	2,397	2,293	2,273	2,289	2,250	2,346	2,248	79,096
crane, conveying machine	3,758	3,640	3,405	3,391	3,160	2,927	2,985	2,847	2,631	2,519	2,161	2,114	2,221	2,274	2,413	2,380	2,223	2,173	2,192	2,229	2,205	2,147	2,133	2,119	62,247
other equipment	5,265	4,983	4,828	4,575	4,279	4,222	4,100	4,026	3,816	3,633	3,056	3,019	3,137	3,189	3,159	3,262	2,872	2,805	2,809	2,815	2,768	2,717	2,901	2,702	84,938
temporary buildings, establishments	8,663	8,477	8,231	7,383	7,105	7,132	6,741	6,752	6,154	5,593	4,489	4,434	4,896	4,935	4,925	4,942	4,537	4,416	4,357	4,465	4,438	4,125	4,154	3,947	135,291
substance, material	4,556	4,481	4,113	3,836	3,425	3,277	3,146	3,079	2,891	2,490	2,103	2,111	2,107	2,182	2,122	2,167	1,906	1,821	1,846	1,813	1,847	1,794	1,733	1,767	62,613
load	738	756	789	706	636	624	578	551	583	531	490	441	427	436	488	429	402	364	391	394	450	446	410	431	12,491
environment	1,456	1,271	1,249	1,074	989	1,046	983	1,000	849	851	683	868	1,007	918	954	897	831	735	786	941	772	867	811	886	22,724
others	708	665	598	542	519	461	445	457	411	405	433	375	378	362	396	385	388	347	455	444	414	631	1,591	439	12,249
total	30,905	29,747	28,284	26,299	24,543	23,809	22,869	22,386	20,764	19,280	16,268	16,143	16,983	17,073	17,189	17,184	15,584	15,058	15,129	15,374	15,183	14,977	16,079	14,539	471,649

Causal agents (middle) of fatal and non-fatal accidents in construction in 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
engine	17	20	9	6	8	8	12	7	11	19	6	6	2	10	10	4	5	10	8	8	3	3	12	5	209
power transmission mechanism	29	27	38	20	28	29	28	20	28	26	16	15	15	18	15	12	17	14	16	15	14	9	17	14	480
woodworking machine	2,304	2,199	2,054	1,867	1,802	1,574	1,414	1,302	1,231	1,141	972	896	900	851	882	790	646	672	613	602	597	581	569	557	27,016
construction machine	2,139	1,984	1,804	1,734	1,540	1,499	1,503	1,400	1,257	1,245	1,089	1,092	1,098	1,148	1,133	1,176	1,040	1,003	973	981	1,010	984	1,035	1,004	30,871
metal manufacturing machine	586	579	559	571	510	467	463	460	434	432	371	375	381	384	327	372	332	339	339	338	299	298	330	300	9,846
general machine	686	665	607	594	542	543	471	485	468	395	399	397	414	366	365	368	375	351	332	322	358	366	371	360	10,600
mobile silviculture machine																	10	8	12	7	8	9	12	8	74
crane	868	903	806	805	756	680	709	648	607	628	515	455	485	473	531	487	472	436	450	475	471	450	440	455	14,005
conveying machine	2,109	2,078	1,986	1,947	1,771	1,662	1,657	1,599	1,519	1,395	1,201	1,200	1,269	1,268	1,372	1,306	1,239	1,219	1,256	1,277	1,254	1,215	1,286	1,247	35,332
vehicle	781	659	613	639	633	585	619	600	505	496	445	459	467	533	510	587	512	518	486	477	480	482	407	417	12,910
pressure vessel	34	31	28	31	36	38	25	22	19	27	14	23	17	19	14	16	11	21	15	17	9	14	14	10	505
chemical facilities	10	3	2	4	5	11	4	8	9	7	4	3	5	4	1	8	5	1		7	3	2	1	1	108
welding equipment	50	45	50	39	40	37	41	23	42	29	35	39	25	17	25	27	32	20	18	48	25	16	17	17	757
kiln, caldron	17	13	12	26	17	15	12	16	9	4	14	9	6	2	9	7	11	5	6	4	10	13	4	2	243
electric equipment	127	111	128	114	91	107	105	85	107	89	80	81	65	74	79	88	75	82	72	79	75	68	84	61	2,127

machine			23		25		19	15	11	18	13	8	8	8	9	7	7	7	4	3	1	4	3	5	198
wood planer machine			340		270		188	167	139	169	110	103	79	90	75	61	58	70	53	59	37	55	35	52	2,210
hollow chisel mortiser, wood borer			57		41		29	20	20	18	14	14	10	11	8	10	8	7	7	4	4	7	4	7	300
chamfering machine, router, woodworking milling machine			17		8		15	14	8	6	10	5	5	2	2	3	2	2	1	7	2	1	5	3	118
chain saw			107		118		96	106	100	78	118	107	104	109	93	125	113	114	122	107	125	148	151	137	2,278
other woodworking machines			282		275		227	185	201	180	154	142	161	121	159	125	113	122	97	98	108	99	95	65	3,009
leveling, transporting or loading machine			220		224		173	191	153	143	124	157	126	134	138	127	142	126	136	142	118	106	138	135	2,953
excavating machine			825		661		678	588	532	527	445	444	475	498	485	495	399	403	404	410	447	470	447	478	10,111
foundation work machine			98		70		74	79	63	55	46	44	50	62	52	54	65	53	51	56	47	58	41	37	1,155
hardening machine			153		113		82	92	82	84	77	85	60	70	50	71	67	59	45	46	57	44	48	34	1,419
demolition machine			110		107		117	109	104	109	103	84	95	91	144	153	148	144	143	129	127	123	147	118	2,405
vehicle for high lift work			60		71		71	83	82	80	74	62	55	57	48	61	66	56	59	59	82	58	71	74	1,329
other construction machines			338		294		308	258	241	247	220	216	237	236	216	215	153	162	135	139	132	125	143	128	4,143
lathe			13		5		9	8	6	13	6	4	7	8	3	8	3	9	3	5	5	7	7	2	131
drill press, milling machine			20		19		14	29	20	23	15	11	12	15	6	5	7	9	9	9	5	3	11	8	250

grinding machine, buffing machine		247		259		237	214	231	221	211	213	217	214	176	203	187	183	202	185	171	165	183	151	4,070
power press		8		11		10	8	5	8	9	5	7	6	7	5	8	10	13	15	5	15	6	6	167
forging pressure hammer		2		1				2		1						1				2	2		2	13
shearing machine		12		8		11	2	6	5	6	7	5	2	4	4	8	8	4	6	4	4	4	9	119
other metal manufacturing machines		257		207		182	199	164	162	123	135	133	139	131	147	118	120	108	118	107	102	119	122	2,893
centrifugal machine		1		2			2		2					1		1			2				1	12
mixer, grinder		54		37		40	43	42	38	28	42	33	36	38	37	24	19	27	38	29	29	21	37	692
roll machine (except printingroll machine)		2		2		3	4	8	3	1	5	6	1	2	1	2	1	1	2	3	1	1	2	51
injection molding machine				1			1			1	1				1			1					1	7
food manufacturing machine		1		1		1		2		2	1	1		1		1	2	1	1			1	1	17
printing machine				2		1		1	1			1	1								2			9
industrial robot				2			1		1	2		1		1	1	1			1	1	1			13
other general power machines		549		495		426	434	415	350	365	348	372	328	322	328	346	329	302	278	325	333	348	318	7,311
felling machine																9	6	8	7	6	7	6	3	52
mobile logging machine																1	1	4		1	1	2		10
skyline yarding machine																	1				1		1	3
other mobile																				1		4	4	9

other vehicles			27		28		29	23	26	26	25	28	17	17	18	15	17	22	17	14	21	16	19	30	435
boiler			8		4		6	6	5	2	1	10	1	5	3	5	1	6	2	5	3	2	3	2	80
pressure vessel			4		9		5	3	4	5	3	3	4	2	3		2	2	3	1	1	2	3	2	61
other pressure vessels			16		23		14	13	10	20	10	10	12	12	8	11	8	13	10	11	5	10	8	6	230
chemical facilities			2		5		4	8	9	7	4	3	5	4	1	8	5	1		7	3	2	1	1	80
gas welding equipment			29		23		26	14	22	10	18	23	17	9	12	13	16	10	10	36	18	6	9	11	332
arc welding equipment			18		14		12	5	15	12	13	14	8	3	10	12	13	7	6	9	6	10	4	3	194
other welding equipment			3		3		3	4	5	7	4	2		5	3	2	3	3	2	3	1		4	3	60
kiln, caldron			11		12		10	12	8	3	10	7	6	2	5	5	11	3	6	3	8	11	3	2	138
industrial dryer					1		1	1	1		1	1			2			1				1	1		11
other kiln, caldron			1		4		1	3		1	3	1			2	2		1		1	2	1			23
transmission			50		46		55	40	57	49	38	35	29	39	39	44	41	39	46	51	41	29	40	37	845
electric power facilities			36		16		25	22	37	19	24	23	18	21	22	32	15	19	15	18	15	18	23	15	433
other electrical equipment			42		29		25	23	13	21	18	23	18	14	18	12	19	24	11	10	19	21	21	9	390
human power cranes			27		35		23	22	28	27	17	14	33	15	22	26	12	15	18	13	20	30	30	28	455
human power hauling equipment			91		84		73	84	82	98	62	58	83	72	64	97	62	61	50	72	70	54	49	53	1,419
human power machine			30		23		29	25	23	18	16	18	14	19	17	16	15	9	11	16	11	17	17	7	351
hand tool			1,045		895		761	708	628	611	503	531	492	510	505	489	435	403	419	418	421	399	466	423	11,062
ladder			2,530		2,307		2,279	2,296	2,098	1,997	1,764	1,695	1,815	1,877	1,863	1,889	1,673	1,627	1,635	1,590	1,625	1,553	1,651	1,541	37,305

slinging tool			210		198		209	171	177	168	134	135	116	130	119	109	111	122	129	104	100	109	109	99	2,759
other tools			407		325		307	347	352	337	236	220	279	248	244	257	226	247	268	239	241	233	278	240	5,531
other equipment, facilities			268		223		232	219	242	221	177	193	187	202	197	233	204	192	168	208	158	209	181	220	4,134
scaffolding			2,038		1,766		1,664	1,659	1,569	1,376	995	910	1,069	1,060	1,177	1,155	982	940	886	853	946	788	772	674	23,279
timbering			205		129		112	158	148	98	79	78	73	71	76	62	72	60	47	58	44	34	57	51	1,712
stairs, landing stage			465		447		429	410	415	376	330	316	320	368	334	370	357	375	358	355	384	402	386	375	7,572
opening			292		240		235	243	241	208	178	137	158	161	179	163	182	190	139	199	187	174	186	140	3,832
roof, beam, haze, crossbeam, principal rafter			1,827		1,594		1,586	1,381	1,141	1,086	899	969	1,079	1,098	1,025	963	895	846	801	864	778	672	621	631	20,756
working platform, boot board			716		666		510	586	558	547	432	392	420	431	388	445	380	350	406	364	376	339	352	344	9,002
passage			763		679		731	703	658	613	521	545	602	553	566	611	542	626	641	696	667	711	779	732	12,939
building, establishment			1,419		1,110		1,020	1,155	998	894	773	784	829	820	823	813	748	693	739	728	698	660	676	639	17,019
other temporary buildings, establishments			506		474		454	457	426	395	282	303	346	373	357	360	379	336	340	348	358	345	325	361	7,525
explosive substance			6		3		8	7	7	2	2	2	1		3	1	4	1		1	1	1	4	5	59
inflammable substance			42		36		25	41	44	25	15	24	9	22	11	15	12	17	21	15	20	20	11	4	429
inflammable gas			31		23		23	23	17	20	15	23	20	31	11	14	12	11	13	13	11	9	1	10	331
harmful substance			56		60		55	74	46	23	27	41	50	44	34	40	33	35	37	48	31	25	27	32	818
radiation			1							1															2
other hazards, harmful substances			56		38		38	29	41	37	29	19	29	27	28	31	30	41	34	34	50	51	43	35	720
metal material			1,924		1,664		1,550	1,533	1,439	1,277	1,063	1,059	1,066	1,087	1,085	1,080	1,007	899	987	967	947	913	883	896	23,326

lumber, bamboo			887		709		647	611	581	500	453	418	381	429	425	399	360	363	343	323	358	329	314	334	9,164
stone, sand, substance			475		401		342	309	274	231	201	195	197	202	191	227	139	169	151	164	173	152	155	169	4,517
other materials			635		491		458	452	442	374	298	330	354	340	334	360	309	285	260	248	256	294	295	282	7,097
load			599		474		428	424	440	402	370	332	316	319	363	342	318	289	314	322	366	362	337	358	7,475
machine/equipment as load			190		162		150	127	143	129	120	109	111	117	125	87	84	75	77	72	84	84	73	73	2,192
natural ground, rock			629		527		468	452	397	367	295	318	300	338	345	301	292	260	244	259	251	275	280	278	6,876
standing tree			230		197		218	185	201	209	229	200	201	188	195	187	211	175	188	209	174	179	168	176	3,920
water			17		19		16	19	6	18	11	12	173	15	5	19	9	6	13	14	10	16	14	7	419
abnormal environment			10		13		13	6	9	13	2	11	15	11	9	3	10	10	9	4	6	4	5	4	167
high/cold temperature environment			135		88		80	121	124	101	45	196	142	157	183	163	123	126	137	253	172	227	154	196	2,923
other environments			228		145		188	217	112	143	101	131	176	209	217	224	186	158	195	202	159	166	190	225	3,572
other causal agent			162		148		118	125	115	83	79	69	92	68	95	88	86	83	116	107	64	266	1,218	96	3,278
no causal agent			397		346		301	299	267	290	329	281	274	279	284	277	287	256	326	327	338	362	365	333	6,218
unclassifiable			39		25		26	33	29	32	25	25	12	15	17	20	15	8	13	10	12	3	8	10	377
total	30,905	29,747	28,284	26,299	24,543	23,809	22,869	22,386	20,764	19,280	16,268	16,143	16,983	17,073	17,189	17,184	15,584	15,058	15,129	15,374	15,183	14,977	16,079	14,539	471,649

Workers age of fatal and non-fatal accidents in construction 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	1,009	975	866	796	696	633	532	505	509	453	346	419	453	514	631	587	536	460	438	414	386	376	375	324	13,233
20-29	6,107	6,067	5,947	5,580	4,827	4,371	4,223	3,958	3,404	3,083	2,531	2,435	2,540	2,532	2,541	2,466	2,209	2,258	2,309	2,325	2,362	2,606	2,836	2,410	81,927

June	2,619	2,450	2,373	2,127	1,952	1,953	1,926	1,810	1,811	1,565	1,352	1,344	1,411	1,401	1,363	1,332	1,330	1,241	1,283	1,274	1,176	1,261	1,386	1,307	39,047
July	2,774	2,710	2,645	2,429	2,203	2,289	2,044	1,895	1,837	1,818	1,459	1,463	1,512	1,526	1,618	1,639	1,520	1,413	1,465	1,546	1,445	1,313	1,499	1,331	43,393
August	2,591	2,616	2,232	2,191	2,050	1,938	1,992	2,062	1,835	1,582	1,381	1,421	1,542	1,510	1,495	1,400	1,299	1,345	1,319	1,349	1,287	1,363	1,664	1,211	40,675
September	2,747	2,476	2,341	2,188	2,145	2,165	1,931	2,009	1,785	1,616	1,362	1,408	1,428	1,412	1,429	1,451	1,402	1,344	1,178	1,285	1,359	1,359	1,444	1,235	40,499
October	2,736	2,690	2,543	2,392	2,251	2,075	1,931	2,025	1,796	1,711	1,471	1,417	1,517	1,523	1,522	1,561	1,440	1,305	1,289	1,424	1,374	1,251	1,266	1,293	41,803
November	2,674	2,495	2,377	2,252	1,927	2,103	2,023	1,947	1,768	1,499	1,368	1,352	1,474	1,425	1,540	1,364	1,276	1,226	1,337	1,306	1,280	1,300	1,305	1,165	39,783
December	2,379	2,374	2,123	2,011	1,961	1,894	1,783	1,743	1,553	1,347	1,294	1,284	1,458	1,375	1,383	1,306	1,141	1,088	1,230	1,111	1,115	1,219	1,131	1,115	36,418
total	30,905	29,747	28,284	26,299	24,543	23,809	22,869	22,386	20,764	19,280	16,268	16,143	16,983	17,073	17,189	17,184	15,584	15,058	15,129	15,374	15,183	14,977	16,079	14,539	471,649

Prefecture of fatal and non-fatal accidents in construction 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	1,897	1,787	1,616		1,386		1,354	1,312	1,093	983	892	922	882	960	1,026	1,017	992	910	879	966	938	903	959	906	24,580
Aomori	438	377	419		315		257	243	205	211	190	201	233	235	221	233	188	228	223	213	235	207	270	234	5,576
Iwate	423	416	394		315		284	278	257	228	225	196	328	255	302	292	267	263	285	269	256	229	265	234	6,261
Miyagi	468	497	408		447		351	339	359	334	284	271	539	527	465	402	372	432	350	336	352	283	342	309	8,467
Akita	439	354	393		327		290	333	242	238	228	209	224	236	229	248	203	190	199	217	209	200	227	225	5,660
Yamagata	451	436	384		318		322	292	238	223	179	232	222	261	239	232	214	195	196	256	175	194	246	198	5,703
Fukushima	562	529	486		460		408	387	358	373	325	295	402	482	464	531	475	421	373	367	340	385	412	336	9,171
Ibaraki	623	560	528		447		457	406	389	366	319	307	464	438	358	375	350	364	380	330	296	295	387	287	8,726
Tochigi	412	403	368		309		302	286	280	303	246	244	264	271	245	214	240	242	211	193	209	200	227	226	5,895
Gunma	622	582	527		424		362	352	334	324	271	263	249	265	279	292	246	209	238	270	237	242	262	231	7,081
Saitama	983	1,037	1,002		1,018		942	932	997	893	747	737	783	748	755	857	684	604	657	650	611	618	720	642	17,617
Chiba	953	995	997		904		823	840	794	764	690	676	667	663	714	714	604	558	591	566	608	672	617	579	15,989
Tokyo	1,922	1,924	2,024		1,995		1,865	1,866	1,879	1,689	1,332	1,339	1,439	1,429	1,472	1,502	1,254	1,136	1,245	1,163	1,215	1,022	1,185	1,088	32,985
Kanagawa	1,519	1,523	1,485		1,365		1,220	1,294	1,208	1,069	851	890	914	907	871	857	781	821	730	727	808	824	814	702	22,180
Niigata	971	896	873		663		797	766	639	629	543	542	505	523	523	451	432	390	373	407	398	392	480	390	12,583

Nagasaki	456	406	369		316		248	302	249	194	196	185	193	209	175	215	200	197	201	207	205	224	236	213	5,396
Kumamoto	534	473	397		383		346	339	334	274	286	274	251	273	321	266	286	339	401	335	295	315	288	279	7,289
Oita	564	480	453		401		355	335	309	270	238	214	227	217	255	255	210	228	207	225	222	219	201	208	6,293
Miyazaki	357	341	311		257		263	288	246	246	179	215	190	205	188	204	148	189	189	180	198	245	190	214	5,043
Kagoshima	466	468	376		374		372	349	307	285	240	242	263	267	309	267	290	314	312	294	312	305	299	283	6,994
Okinawa	140	167	130		129		167	138	150	169	165	153	164	169	156	189	172	152	212	192	212	178	206	177	3,687
total	30,905	29,747	28,284	26,299	24,543	23,809	22,869	22,386	20,764	19,280	16,268	16,143	16,983	17,073	17,189	17,184	15,584	15,058	15,129	15,374	15,183	14,977	16,079	14,539	471,649

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)

Return to https://www.jisha.or.jp/english/statistics/2022e_industry.html

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Fatal accidents in construction in Japan in 1999-2022

construction industry Code No.03

Type of fatal accidents in construction in 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
fall from height	325	301	269	256	247	260	203	190	207	172	147	159	160	157	160	148	128	134	135	136	110	95	110	116	4,325
falling to same level	22	21	17	15	13	13	11	6	10	6	9	11	6	9	9	10	11	5	7	6	6	6	5	8	242
crash	5	2	5	3	3	5	2		2	1	3	1	1	2	3	2		1		1	1	2	1		46
struck by flying or falling object	44	38	33	37	26	31	28	35	30	33	21	20	13	16	20	18	25	15	19	24	18	13	10	16	583
collapse	77	65	64	72	59	54	39	50	39	45	41	27	28	37	36	30	20	27	28	23	34	27	31	27	980
crashed by	57	62	45	32	23	37	38	39	32	33	26	19	22	32	27	26	29	22	23	18	26	13	19	27	727

caught in/between	92	76	66	66	58	51	50	45	44	38	40	35	29	35	19	38	34	19	28	30	16	27	27	28	991
cut	3	5	2	2	1	1	5	2	3	2	1	3	2	3	3	3	2			3	1	3	2	1	53
injury to the sole of the foot	1		1	1	1	1	1	1	2			2	1			1		1							14
drown	9	6	6	10	9	10	8	7	5	16	10	5	111	13	4	15	4	5	8	13	4	5	10	1	294
contact to high/low-temperature	14	16	18	17	9	11	7	15	8	9	5	19	9	11	10	6	12	7	8	11	10	9	11	14	266
contact to harmful substance	6	10	5	3	7	5	3	10	6	9	2	9	7	2	4	6	7	3	3	1	2	5	9	4	128
electric shock	23	15	15	11	4	18	21	12	9	15	8	6	4	7	1	9	8	8	5	5	2	3	8	4	221
explosion	2			2		5	3		2	2		2		2	1	2	1			1	1	2		3	31
burst	2	1	1			6	1			2	1	1	1					1				1			18
fire	3	6	6	1	7		1	13	7	4	8	4		1	3	5	6	1	1	2	2	1	1	1	84
traffic accident (public road)	96	104	87	66	70	74	60	63	48	37	39	39	51	29	33	45	28	39	50	31	27	37	25	24	1,202
traffic accident (others)	5		1	7	2	1	4	2	2	1	5	1	1	2	2	1			1		1	1	1	1	42
reaction to motion/improper motion																									
others	5	3	3	4	9	10	12	16	4	4	3	1	63	9	6	11	9	6	5	3	7	8	15	6	222
unclassifiable	3			2		1		2	1	1	2	1	1		1	1	3		2	1	1		3		26
total	794	731	644	607	548	594	497	508	461	430	371	365	510	367	342	377	327	294	323	309	269	258	288	281	10,495

Causal agents (large) of fatal accidents in construction 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	136	127	94	88	87	77	77	80	62	73	63	55	47	56	47	58	36	44	45	44	36	42	43	47	1,564
crane, conveying machine	185	190	166	140	119	135	128	112	101	72	83	78	83	78	61	86	73	65	83	63	58	61	55	59	2,334
other equipment	76	54	60	52	41	61	53	47	37	50	40	43	30	28	30	38	34	29	27	28	20	21	34	31	964
temporary buildings, establishments	264	239	224	220	208	215	156	164	173	159	124	130	127	137	124	124	111	107	113	116	91	77	85	90	3,578
substance, material	26	21	10	17	16	21	16	20	24	15	12	9	10	12	10	11	11	4	8	7	6	12	10	5	313
load	10	6	8	4	4	5	7	4	5	5	1	4	2	4	7	1	4	4	3	5	8	4	1	2	108

environment	91	90	78	81	69	75	54	70	53	53	42	43	204	43	56	46	44	34	36	42	42	34	45	44	1,469
others	6	4	4	5	4	5	6	11	6	3	6	3	7	9	7	13	14	7	8	4	8	7	15	3	165
total	794	731	644	607	548	594	497	508	461	430	371	365	510	367	342	377	327	294	323	309	269	258	288	281	10,495

Causal agents (middle) of fatal accidents in construction in 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
engine	1				1		1	2		3			1					1			1				11
power transmission mechanism				1	1				1	1										1					5
woodworking machine	1	2	2	2	1	1	3	1	3	4	1	1	1	1	3	3	1			1	2	1	1		36
construction machine	126	118	88	78	81	71	68	71	55	64	58	49	38	50	41	50	30	38	39	38	31	37	35	41	1,395
metal manufacturing machine	2	1		2	2			1				2	1	1		1		2					1		16
general machine	6	6	4	5	1	5	5	5	3	1	4	3	6	4	3	4	4	2	3	4	1	4	6	6	95
mobile silviculture machine																1	1	3		1					6
crane	27	41	38	23	27	24	28	21	26	11	17	16	18	21	15	23	20	13	13	18	16	12	12	12	492
conveying machine	93	90	80	71	53	71	58	53	54	38	41	39	30	37	25	33	32	34	44	28	27	25	29	37	1,122
vehicle	65	59	48	46	39	40	42	38	21	23	25	23	35	20	21	30	21	18	26	17	15	24	14	10	720
pressure vessel		2		3		6	1					3	1				1	1							18
chemical facilities				1		1			1	2						2									7
welding equipment	1		2	1	1	2	1	1	1	2	3	5	2			2	4		1	3	1	1		1	35
kiln, caldron	1			5		1									1										8
electric equipment	25	12	14	10	3	14	16	9	10	17	8	7	3	6	4	10	8	11	7	5	2	3	7	3	214
human power machine, tools	3	3	1	1	3	1	1	2	2	2	2		2	1	1		1		1	2	1	2	1		33
tools	39	32	40	28	31	32	27	31	22	22	21	26	19	18	23	18	18	14	17	17	14	9	25	22	565
other equipments, facilities	7	5	3	3	3	4	7	4	1	5	6	2	3	3	1	6	2	3	1	1	2	6	1	5	84
temporary buildings, establishments	264	239	224	220	208	215	156	164	173	159	124	130	127	137	124	124	111	107	113	116	91	77	85	90	3,578
hazards, harmful substances	9	9	2	3	10	7	4	10	14	5	5	6	3	5	5	6	9	3	1	2	3	4	4	4	133

materials	17	12	8	14	6	14	12	10	10	10	7	3	7	7	5	5	2	1	7	5	3	8	6	1	180
load	10	6	8	4	4	5	7	4	5	5	1	4	2	4	7	1	4	4	3	5	8	4	1	2	108
natural environment	91	90	78	81	69	75	54	70	53	53	42	43	204	43	56	46	44	34	36	42	42	34	45	44	1,469
other causal agent	1	1	4	1	4	3	4	4			1	1				3	2	1				4	10		44
no causal agent	1					1	1	5	4	2	3	1	6	8	5	7	9	5	6	4	8	3	3	3	85
unclassifiable	4	3		4		1	1	2	2	1	2	1	1	1	2	3	3	1	2				2		36
total	794	731	644	607	548	594	497	508	461	430	371	365	510	367	342	377	327	294	323	309	269	258	288	281	10,495

Causal agents (small) of fatal accidents in construction in 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
engine	1				1		1	2		3			1				1			1					11
power transmission mechanism				1	1				1	1										1					5
circular sawing machine	1	2	2	2	1	1	3	1	2	2	1	1		1	3	3	1			1	1		1		30
band sawing machine																									
wood planer machine																									
hollow chisel mortiser, wood borer																									
chamfering machine, router, woodworking milling machine																									
chain saw										1			1								1	1			4
other woodworking machines									1	1															2
leveling, transporting or loading machine	19	15	12	11	6	12	13	8	17	4	10	9	4	4	4	5	3	8	4	9	3	5	5	4	194
excavating machine	68	68	51	38	46	28	29	37	21	28	19	22	20	22	25	23	14	13	19	12	14	16	12	21	666
foundation work machine	5	3	6	4	3	2	7		1	3	2		2	1		2	1		2	4		3	1	1	53
hardening machine	15	8	8	12	8	7	9	8		7	3	7	2	1	1	4	1	4	2	2	2	4	4	3	122
demolition machine	2	3	2	2	3	5			2	3	3	1	2	2	2	6	6	8	4	4	5	1	4	3	73
vehicle for high lift work	4	8	3	4	3	4	3	8	8	7	7	4	2	6	4	7	2	2	4	3	3	5	7	8	116
other construction machines	13	13	6	7	12	13	7	10	6	12	14	6	6	14	5	3	3	3	4	4	4	3	2	1	171

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	353	347	309	325	277	325	258	295	266	235	195	204	281	203	195	186	183	146	194	166	151	145	157	166	5,562
10-29	294	253	211	173	178	190	161	152	136	132	109	121	152	114	96	128	99	98	92	97	84	79	84	66	3,299
30-49	88	68	70	63	56	44	47	31	35	36	45	21	51	28	22	36	25	33	21	20	18	26	27	29	940
50-99	40	38	33	26	30	18	22	18	14	17	18	13	14	10	14	18	16	10	12	18	7	5	9	14	434
100-299	16	21	19	16	7	12	7	9	8	9	3	6	12	12	13	8	4	7	3	8	8	2	10	5	225
300 workers or more	3	4	2	4		5	2	3	2	1	1				2	1			1		1	1	1	1	35
total	794	731	644	607	548	594	497	508	461	430	371	365	510	367	342	377	327	294	323	309	269	258	288	281	10,495

Month of fatal accidents in construction 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	69	61	40	47	43	41	36	34	34	36	27	38	27	28	29	24	30	23	22	26	15	23	23	25	801
February	65	64	42	53	46	49	42	52	45	30	41	33	27	44	18	39	22	27	31	24	35	25	24	23	901
March	75	68	70	52	55	57	52	42	35	33	32	27	190	29	21	41	32	25	26	23	22	28	23	22	1,080
April	67	50	55	56	42	26	44	39	26	25	16	21	22	25	18	22	24	25	24	12	16	21	18	23	717
May	51	41	50	29	48	27	27	24	35	33	16	24	30	26	28	32	25	16	24	20	19	16	15	16	672
June	62	58	44	29	28	37	35	35	40	25	31	25	24	32	26	27	23	16	19	31	14	18	26	25	730
July	59	76	68	65	61	67	37	54	43	49	31	37	27	38	32	43	26	22	41	36	28	20	32	28	1,020
August	70	77	60	55	61	58	45	51	37	43	38	40	27	31	36	38	40	26	29	20	21	23	25	26	977
September	69	47	48	38	38	74	29	44	52	44	30	29	28	25	29	26	34	36	29	38	19	27	30	24	887
October	56	59	62	56	46	70	40	39	45	38	37	29	31	30	30	32	35	28	25	36	27	18	28	24	921
November	68	67	37	50	48	47	63	49	30	43	36	29	39	33	40	26	21	25	32	23	31	17	21	19	894
December	83	63	68	77	32	41	47	45	39	31	36	33	38	26	35	27	15	25	21	20	22	22	23	26	895
total	794	731	644	607	548	594	497	508	461	430	371	365	510	367	342	377	327	294	323	309	269	258	288	281	10,495

Prefecture of fatal accidents in construction 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	59	54	39	40	30	39	30	29	26	28	30	22	10	27	22	22	25	30	23	17	20	14	20	23	679
Aomori	7	10	12	6	9	5	7	6	5	7	4	5	6	7	2	7	3	2	2	3	4	2	4	5	130
Iwate	9	9	11	12	12	10	7	2	4	7	6	1	64	6	4	10	8	7	8	9	6	5	10	6	233
Miyagi	18	24	10	7	11	4	8	8	4	9	7	6	101	9	9	7	5	5	5	7	7	3	5	5	284
Akita	13	6	5	4	5	5	5	10	7	6	5	6	3	2	13	5	11	5	6	7	1	2	4	8	144
Yamagata	12	6	9	7	1	5	3	6	1	3	2	5	2	8	6	8	2	3	2	4	4	4	3	4	110
Fukushima	20	11	13	16	12	11	15	7	8	12	8	6	35	11	17	11	14	10	8	7	7	13	7	11	290
Ibaraki	14	11	18	27	12	17	12	9	19	9	8	7	16	11	12	10	12	11	8	10	8	4	7	12	284
Tochigi	14	12	12	9	7	12	7	8	4	6	4	9	8	5	2	6	5	4	3	1	3	3	6	6	156
Gunma	14	5	13	10	8	9	9	5	8	7	6	6	3	5	4	12	3	3	3	6		2	6	1	148
Saitama	19	24	24	23	20	25	21	16	11	18	16	12	9	13	12	16	15	6	13	12	10	8	11	7	361
Chiba	24	23	27	31	27	28	15	27	20	17	17	17	11	14	17	24	15	12	10	10	12	12	5	8	423
Tokyo	54	57	52	40	33	41	37	41	42	28	20	25	26	26	26	37	29	25	28	19	13	14	28	26	767
Kanagawa	29	37	28	17	30	36	23	21	23	14	22	17	23	16	13	12	10	9	6	10	10	14	21	8	449
Niigata	26	9	12	13	11	16	22	14	11	13	11	8	6	13	13	5	5	5	3	9	8	7	2	4	246
Toyama	6	5	13	7	4	4	7	9	5	2	2	6	10	3	2	4	4	2	4	5	4	3	5	5	121
Ishikawa	5	7	2	6	6	11	4	2	4	5	5	3	3	5	1	6	2	2	7	3	3	2	3	2	99
Fukui	7	6	4	7	3	12	5	5	5	8	3	4	4	3	2	3	4	2	3	4	1	3	3	3	104
Yamanashi	7	12	9	9	7	6	1	5	6	7	3	6	3	3	4	6	3	5	2	2	1	4	2	2	115
Nagano	15	15	20	14	8	5	10	8	6	7	9	11	10	7	8	10	3	5	5	3	4	2	7	8	200
Gifu	12	26	7	13	20	10	10	9	8	6	4	11	5	3	2	3	9	8	6	7	1	4	6	6	196
Shizuoka	20	17	16	21	18	18	10	20	18	20	12	12	15	12	5	8	13	7	4	11	4	6	10	12	309
Aichi	28	28	35	26	33	31	19	29	21	25	10	16	13	12	16	19	18	7	15	10	16	13	5	12	457
Mie	17	18	12	9	10	9	10	9	11	9	3	10	4	4	5	7	6	6	7	8	5	7	6	6	198
Shiga	6	12	4	10	9	7	8	4	4	4	6	1	4	4	3	2	2	3	3	3	2	6	1	2	110

Kyoto	12	14	11	11	8	3	9	6	10	11	8	7	4	4	4	3	7	2	10	3	7	2	1	5	162
Osaka	22	31	33	26	30	21	31	37	35	28	20	18	20	16	21	14	13	11	20	25	20	12	15	12	531
Hyogo	36	37	26	24	29	25	13	21	16	12	22	21	11	16	9	12	10	7	12	12	11	12	8	8	410
Nara	9	6	6	2	5	5	3	1	6	4	4	5	3	5	4	8	4	2	2	3	3	3	5		98
Wakayama	10	9	6	6	5	7	3	6	8	5	5	2	5	4	3	1	1	7	3	2	5	3	3	3	112
Tottori	12	5	4	7	2	2	1	4	1	2	3	1	1	2	3	2			2		1	5	4	1	65
Shimane	12	4	7	2	8		2	8	6	2	6	3	4	2	4	4		4		3	2	2	2	2	89
Okayama	16	17	13	19	5	9	12	8	7	4	8	6	7	12	11	6	2	4	4	4	5	6	5	3	193
Hiroshima	18	20	18	11	7	23	13	6	12	7	4	7	8	7	9	8	3	4	8	7	4	2	3	7	216
Yamaguchi	18	15	10	6	9	9	4	12	8		7	2	4	4	4	8	5	8	7	5	5	4	4	4	162
Tokushima	11	6	6	8	6	9	7	2	5	3	2	2	2	3	4	5		2	4	4	3	3	3	4	104
Kagawa	13	2	3	12	2	6	7	7	6	4	2	3	2	5		2	2	2	3	2		2	3	2	92
Ehime	10	13	9	11	12	10	7	11	6	5	3	6	3	4	3	2	5	3	6	9	10	3	3	7	161
Kochi	14	9	8	8	4	9	9	3	3	3	3	2	3	8	5	4	2	6	3	4	6		2	2	120
Fukuoka	32	26	19	25	23	19	21	18	16	24	16	13	12	17	12	13	10	8	12	4	9	12	9		382
Saga	6	6	5	3	1	4	6	6	1	3		6		2	3	1	3	6	4	3		4	3	4	80
Nagasaki	11	13	12	7	9	11	8	6	3	9	9	2	6	4	6	3	7	7	3	5	4	4	7		156
Kumamoto	16	16	9	3	15	11	7	8	5	6	6	8	4	7	5	4	4	9	13	7	3	7	3	4	180
Oita	16	11	10	7	6	6	12	3	6	8	5	2	4	10	2	5	5	5	9	3	3	3	4	3	148
Miyazaki	12	10	10	10	9	9	4	7	5	1	1	3	3	1	3	3	5	5	3	1	5	5	4	4	123
Kagoshima	26	12	8	9	4	15	10	9	10	7	5	9	4	5	5	6	5	4	8	4	6	3	1	5	180
Okinawa	7	5	4	6	3	5	3	10	5	5	9	5	6		2	4	5	2	7	4	8	7	6		118
total	794	731	644	607	548	594	497	508	461	430	371	365	510	367	342	377	327	294	323	309	269	258	288	281	10,495

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

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