

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

construction work industry Code No.0302

Type of accidents in construction work 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	6,805	6,730	6,443	6,068	5,794	5,857	5,597	5,514	4,897	4,409	3,689	3,528	3,870	4,052	3,984	3,975	3,548	3,428	3,322	3,313	3,309	2,974	2,986	2,723	106,815
falling to same level	1,357	1,342	1,265	1,223	1,162	1,166	1,143	1,185	1,118	992	813	821	889	915	904	1,010	831	791	819	865	830	889	842	838	24,010
crash	823	754	716	636	624	608	563	584	584	474	400	442	436	399	437	440	394	377	362	345	367	372	364	381	11,882
struck by flying or falling object	1,668	1,688	1,686	1,511	1,409	1,459	1,353	1,353	1,202	1,159	916	847	935	975	1,037	884	819	733	769	756	789	717	665	658	25,988
collapse	414	426	401	454	390	342	361	384	395	313	245	248	294	274	300	285	229	265	246	237	262	230	209	198	7,402
crashed by	591	574	606	608	517	488	481	500	489	411	313	351	340	366	328	347	360	308	298	355	335	286	354	319	9,925
caught in/between	1,365	1,373	1,370	1,264	1,161	1,127	1,089	1,095	1,033	907	791	725	831	806	860	811	748	746	678	771	736	740	700	755	22,482
cut	2,814	2,677	2,535	2,427	2,226	2,015	1,841	1,721	1,544	1,422	1,190	1,189	1,162	1,156	1,177	1,062	953	945	828	814	783	792	809	760	34,842
injury to the sole of the foot	140	116	154	118	134	124	120	119	120	78	68	78	90	103	79	95	75	68	65	77	66	71	78	56	2,292
drown	3	2			2	1	1	1		2	2		51						2	2					69
contact to high/low-temperature	97	83	109	105	103	152	106	103	99	87	57	131	133	110	116	125	106	106	102	162	105	140	98	102	2,637
contact to harmful substance	33	40	47	44	59	42	58	69	37	42	27	30	45	37	25	36	41	46	36	49	41	27	33	36	980
electric shock	21	24	17	28	17	24	20	18	19	18	15	16	16	23	11	17	13	10	8	17	17	13	12	10	404

explosion	12	5	21	6	4	5	4	8	11	2	5	9	1	5	4	4	6		3	3	2	4	4	2	130
burst	3	3	4	8	4	6	3	6	4	1	2	1	2	4	3	4	2	1	3	2	3	5	1	2	77
fire	14	9	16	20	11	6	4	12	14	9	9	10	3	7	5	7	8	8	5	22	6	5	2	2	214
traffic accident (public road)	335	344	282	341	299	296	300	325	242	275	192	227	284	263	260	322	264	276	244	259	240	266	200	190	6,526
traffic accident (others)	7	4	3	2	2	2	2	4	5	1	1	2	2	2	2	2		1	2	4	2		2	2	56
reaction to motion/improper motion	777	759	790	664	674	609	597	615	657	585	515	515	505	468	485	486	467	433	478	459	491	503	500	519	13,551
others	62	65	60	42	71	63	50	52	56	51	33	37	65	50	47	37	40	21	34	34	30	157	539	49	1,745
unclassifiable	19	19	13	12	10	12	10	26	13	7	7	1	4	6	5	6	5	6	2	8	3	3	5	4	206
total	17,360	17,037	16,538	15,581	14,673	14,404	13,703	13,694	12,539	11,245	9,290	9,208	9,958	10,021	10,069	9,955	8,909	8,569	8,306	8,554	8,417	8,194	8,403	7,606	272,233

Causal agents (large) of fatal and non-fatal accidents in construction work 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	3,090	3,072	2,873	2,728	2,513	2,350	2,187	2,081	1,920	1,771	1,549	1,451	1,542	1,460	1,459	1,396	1,240	1,213	1,094	1,152	1,106	1,061	1,081	1,033	42,422
crane, conveying machine	1,441	1,441	1,382	1,412	1,310	1,208	1,274	1,268	1,139	1,067	870	866	993	990	1,056	1,026	931	953	921	896	929	947	833	853	26,006
other equipment	3,210	3,046	3,010	2,940	2,728	2,677	2,590	2,600	2,414	2,192	1,819	1,842	1,894	2,011	1,966	1,979	1,758	1,689	1,641	1,669	1,594	1,559	1,660	1,496	51,984
temporary buildings, establishments	6,240	6,149	5,990	5,411	5,226	5,357	4,966	5,004	4,512	3,953	3,186	3,137	3,526	3,567	3,523	3,515	3,182	3,075	2,954	3,091	3,058	2,729	2,688	2,477	96,516
substance, material	2,405	2,368	2,299	2,212	2,054	2,025	1,914	1,898	1,780	1,546	1,233	1,246	1,261	1,326	1,354	1,348	1,149	1,096	1,074	1,068	1,081	1,064	1,006	1,042	36,849

load	347	345	396	347	335	298	293	291	312	273	246	217	214	215	252	224	198	170	177	175	231	221	178	215	6,170
environment	266	259	266	214	208	237	236	284	210	214	146	244	320	251	269	259	238	204	216	282	208	260	233	248	5,772
others	361	357	322	317	299	252	243	268	252	229	241	205	208	201	190	208	213	169	229	221	210	353	724	242	6,514
total	17,360	17,037	16,538	15,581	14,673	14,404	13,703	13,694	12,539	11,245	9,290	9,208	9,958	10,021	10,069	9,955	8,909	8,569	8,306	8,554	8,417	8,194	8,403	7,606	272,233

Causal agents (middle) of fatal and non-fatal accidents in construction work 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	4	5	2	1	5	3	3	2	3	7	2	2	1	5	5	2	2	5	3	3	1	3	6		75
power transmission mechanism	9	6	11	5	16	5	6	4	10	7	4	3	4	7	4	3	7	6	3	4	5	4	8	3	144
woodworking machine	1,965	1,872	1,737	1,586	1,512	1,323	1,168	1,074	1,001	938	768	686	701	666	676	578	480	469	426	416	403	388	352	355	21,540
construction machine	416	492	429	452	379	426	438	441	400	342	329	321	384	372	370	404	360	354	320	394	349	323	345	327	9,167
metal manufacturing machine	369	376	378	382	344	318	316	317	280	285	248	250	258	254	219	239	209	199	213	200	192	179	198	182	6,405
general machine	327	321	316	302	257	275	256	243	226	192	198	189	194	156	185	170	180	178	127	135	155	164	171	164	5,081
mobile silviculture machine																	2	2	2		1		1	2	10
crane	331	341	335	346	320	249	307	300	271	252	202	167	210	207	222	188	190	189	185	183	184	186	165	179	5,709
conveying machine	792	807	797	790	734	704	696	695	650	603	495	502	538	549	628	545	512	546	507	503	538	523	496	506	14,656
vehicle	318	293	250	276	256	255	271	273	218	212	173	197	245	234	206	293	229	218	229	210	207	238	172	168	5,641

pressure vessel	14	15	12	11	13	14	12	8	4	12	6	6	9	10	9	3	3	11	4	7	3	6	6	3	201
chemical facilities	5	1		1	1	5	1	3	6	3	1	1		2		1	2			4	1	1			39
welding equipment	26	22	30	28	23	22	17	7	24	15	11	19	12	11	13	16	17	12	12	27	13	8	8	9	402
kiln, caldron	5	4	6	18	5	5	7	8	3	1	3	3	4	1	4	4	3		3	1	2	7	2		99
electric equipment	25	25	32	37	30	32	33	26	33	23	22	28	23	27	26	22	24	26	25	28	24	24	22	14	631
human power machine, tools	831	763	758	715	657	613	568	522	478	448	329	394	375	363	389	361	300	307	279	312	286	254	323	272	10,897
tools	2,200	2,095	2,061	2,022	1,893	1,868	1,854	1,924	1,766	1,592	1,371	1,304	1,395	1,499	1,437	1,488	1,310	1,255	1,251	1,193	1,186	1,156	1,207	1,103	37,430
other equipments, facilities	104	121	111	108	106	118	98	102	100	98	76	87	76	98	88	84	99	78	67	97	79	103	92	95	2,285
temporary buildings, establishments	6,240	6,149	5,990	5,411	5,226	5,357	4,966	5,004	4,512	3,953	3,186	3,137	3,526	3,567	3,523	3,515	3,182	3,075	2,954	3,091	3,058	2,729	2,688	2,477	96,516
hazards, harmful substances	69	65	84	74	68	62	75	91	76	50	44	53	56	54	42	54	51	48	49	56	47	42	39	40	1,389
materials	2,336	2,303	2,215	2,138	1,986	1,963	1,839	1,807	1,704	1,496	1,189	1,193	1,205	1,272	1,312	1,294	1,098	1,048	1,025	1,012	1,034	1,022	967	1,002	35,460
load	347	345	396	347	335	298	293	291	312	273	246	217	214	215	252	224	198	170	177	175	231	221	178	215	6,170
natural environment	266	259	266	214	208	237	236	284	210	214	146	244	320	251	269	259	238	204	216	282	208	260	233	248	5,772
other causal agent	115	119	78	73	84	55	63	72	69	43	39	32	44	38	41	42	50	38	58	50	35	154	536	49	1,977
no causal agent	227	218	220	226	201	185	166	178	164	170	193	162	161	155	143	153	156	128	169	163	172	198	184	189	4,281
unclassifiable	19	20	24	18	14	12	14	18	19	16	9	11	3	8	6	13	7	3	2	8	3	1	4	4	256
total	17,360	17,037	16,538	15,581	14,673	14,404	13,703	13,694	12,539	11,245	9,290	9,208	9,958	10,021	10,069	9,955	8,909	8,569	8,306	8,554	8,417	8,194	8,403	7,606	272,233

Causal agents (small) of fatal and non-fatal accidents in construction work 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			2		5		3	2	3	7	2	2	1	5	5	2	2	5	3	3	1	3	6		62	
power transmission mechanism			11		16		6	4	10	7	4	3	4	7	4	3	7	6	3	4	5	4	8	3		119
circular sawing machine			1,046		919		713	678	638	569	467	428	447	425	438	382	284	281	270	255	255	212	211	211		9,129
band sawing machine			22		21		19	13	9	17	11	8	8	8	8	7	6	4	2	3	1	3	3	4		177
wood planer machine			330		263		183	165	134	163	109	99	77	88	73	58	58	64	53	55	32	54	34	51		2,143
hollow chisel mortiser, wood borer			56		41		27	20	17	17	14	13	9	11	8	8	8	7	7	4	3	6	4	7		287
chamfering machine, router, woodworking milling machine			17		8		15	12	8	6	10	5	5	2	2	2	2	1	1	7	2	1	4	1		111
chain saw			28		23		22	27	26	19	29	23	24	30	21	23	30	21	24	26	21	30	32	34		513
other woodworking machines			238		237		189	159	169	147	128	110	131	102	126	98	92	91	69	66	89	82	64	47		2,434
leveling, transporting or loading machine			27		41		42	46	30	21	37	41	43	40	25	33	24	25	32	45	29	26	35	39		681
excavating machine			164		131		144	150	125	116	104	102	140	131	120	137	123	125	105	142	116	126	121	124		2,546
foundation work			42		28		34	35	28	20	18	23	27	30	22	21	32	29	25	24	29	29	15	15		526

crane			38		37		35	32	26	27	16	22	25	27	24	11	27	19	17	18	14	16	12	8	451
truck			697		660		623	624	584	547	455	459	481	497	572	498	472	504	458	451	484	468	447	452	10,433
forklift			44		32		39	38	39	27	19	24	27	29	37	24	23	25	29	35	40	37	32	33	633
railway equipment									1				5		1	1	2	1			1	2			14
conveyor			21		15		7	12	5	8	6	6	8	5	1	4	1	6	5	2	2	3	4	7	128
loader			1		4		3	1	3	1		2			3	1	1		1		2		1	3	27
straddle carrier																					1				1
rough terrain hauler			8		2		3	4		4	2		4	2	2	4	1	1	3	2	2	4	2	2	52
other powered conveying machines			26		21		21	16	18	16	13	11	13	16	12	13	12	9	11	13	6	9	10	9	275
cars, bus, motorcycle			245		253		266	268	214	206	167	189	243	228	204	290	227	216	225	208	204	236	168	165	4,422
railway vehicle							1	1			2	1	1	1	1				1			1			10
other vehicles			5		3		4	4	4	6	4	7	1	5	1	3	2	2	3	2	3	1	4	3	67
boiler			3		3		3	2	1	1	1	1		2	1	1		2		3			1	1	26
pressure vessel			1		2		1			1		1	2	2	2		1				1		1		15
other pressure vessels			8		8		8	6	3	10	5	4	7	6	6	2	2	9	4	4	2	6	4	2	106
chemical facilities					1		1	3	6	3	1	1		2		1	2			4	1	1			27
gas welding equipment			15		13		13	6	14	5	4	13	10	6	7	7	6	6	7	20	10	5	4	6	177
arc welding equipment			13		8		2	1	7	6	5	6	2	3	5	9	9	4	4	6	3	3	3	2	101
other welding equipment			2		2		2		3	4	2			2	1		2	2	1	1			1	1	26

kiln, caldron			6		4		7	6	3	1	2	2	4	1	1	2	3		3	1	2	5	2		55
industrial dryer															1							1			2
other kiln, caldron					1			2			1	1			2	2						1			10
transmission			13		17		21	13	15	14	12	11	12	19	13	16	12	12	17	22	16	12	11	9	287
electric power facilities			8		4		3	6	11	2	5	5	6	7	4	2	5	4	5	2	5	3	4	1	92
other electrical equipment			11		9		9	7	7	7	5	12	5	1	9	4	7	10	3	4	3	9	7	4	133
human power cranes			13		15		9	6	8	8	4	4	12	5	7	5	5	4	6	5	8	15	11	13	163
human power hauling equipment			43		42		37	48	50	62	33	31	45	39	35	62	40	33	18	36	34	20	25	21	754
human power machine			18		12		17	14	14	10	6	10	9	14	11	7	5	5	6	7	3	6	9	4	187
hand tool			684		588		505	454	406	368	286	349	309	305	336	287	250	265	249	264	241	213	278	234	6,871
ladder			1,785		1,654		1,613	1,655	1,497	1,346	1,202	1,142	1,213	1,315	1,251	1,309	1,142	1,080	1,054	1,018	1,028	996	1,047	947	25,294
slinging tool			73		74		92	72	72	70	45	48	42	53	48	47	47	49	53	48	41	33	40	37	1,084
other tools			203		165		149	197	197	176	124	114	140	131	138	132	121	126	144	127	117	127	120	119	2,867
other equipment, facilities			111		106		98	102	100	98	76	87	76	98	88	84	99	78	67	97	79	103	92	95	1,834
scaffolding			1,710		1,517		1,412	1,429	1,336	1,135	842	766	910	910	995	980	824	787	737	724	811	651	644	541	19,661
timbering			91		66		63	107	96	53	42	45	54	48	52	49	42	47	23	34	28	18	36	34	1,028
stairs, landing stage			304		304		277	252	276	244	196	194	207	229	205	235	213	237	230	226	254	235	239	210	4,767
opening			218		181		178	185	174	160	131	104	120	120	129	113	131	134	96	128	127	119	124	95	2,767
roof, beam, haze, crossbeam,			1,690		1,461		1,438	1,244	1,012	964	795	848	926	956	869	822	773	725	703	734	664	569	529	514	18,236

rock			85		65		77	83	73	63	45	48	59	50	58	53	55	41	37	45	45	57	55	50	1,144
standing tree			32		27		32	20	28	27	35	37	25	23	32	20	39	27	26	31	23	23	28	24	559
water					5		6	8	1	5	2	8	76	1	1	2	2	1	3	2	2	1			126
abnormal environment					7		2	1	1	3		6	10	5	1		6	3	3	1	1	1		2	53
high/cold temperature environment			66		51		39	69	59	51	26	92	84	85	91	90	63	68	72	126	85	113	77	89	1,496
other environments			83		53		80	103	48	65	38	53	66	87	86	94	73	64	75	77	52	65	73	83	1,418
other causal agent			78		84		63	72	69	43	39	32	44	38	41	42	50	38	58	50	35	154	536	49	1,615
no causal agent			220		201		166	178	164	170	193	162	161	155	143	153	156	128	169	163	172	198	184	189	3,425
unclassifiable			24		14		14	18	19	16	9	11	3	8	6	13	7	3	2	8	3	1	4	4	187
total	17,360	17,037	16,538	15,581	14,673	14,404	13,703	13,694	12,539	11,245	9,290	9,208	9,958	10,021	10,069	9,955	8,909	8,569	8,306	8,554	8,417	8,194	8,403	7,606	272,233

Workers age of fatal and non-fatal accidents in construction work 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	632	652	576	531	457	455	383	355	362	318	223	262	316	366	437	383	361	296	274	275	242	234	218	184	8,792
20-29	3,634	3,692	3,695	3,489	3,064	2,787	2,727	2,609	2,223	1,967	1,597	1,521	1,624	1,575	1,630	1,537	1,376	1,433	1,359	1,442	1,506	1,614	1,614	1,419	51,134
30-39	2,476	2,472	2,605	2,606	2,649	2,758	2,648	2,807	2,639	2,311	2,006	1,992	2,173	2,152	1,982	1,909	1,640	1,515	1,457	1,476	1,374	1,376	1,450	1,164	49,637
40-49	3,404	3,116	2,828	2,441	2,305	2,247	2,032	2,018	1,839	1,683	1,462	1,496	1,717	1,879	1,879	1,943	1,747	1,768	1,727	1,758	1,729	1,667	1,692	1,551	47,928
50-59	4,201	4,243	4,130	3,955	3,779	3,718	3,577	3,555	3,247	2,805	2,242	1,962	2,108	1,929	1,864	1,755	1,619	1,449	1,444	1,465	1,485	1,393	1,499	1,463	60,887
60 years old or more	3,013	2,862	2,704	2,559	2,419	2,439	2,336	2,350	2,229	2,161	1,760	1,975	2,020	2,120	2,277	2,428	2,166	2,108	2,045	2,138	2,081	1,910	1,930	1,825	53,855
total	17,360	17,037	16,538	15,581	14,673	14,404	13,703	13,694	12,539	11,245	9,290	9,208	9,958	10,021	10,069	9,955	8,909	8,569	8,306	8,554	8,417	8,194	8,403	7,606	272,233

October	1,583	1,593	1,526	1,447	1,392	1,283	1,170	1,243	1,094	1,004	843	802	903	909	908	893	805	740	701	787	760	648	658	659	24,351
November	1,507	1,427	1,387	1,345	1,157	1,296	1,177	1,167	1,078	871	767	798	850	847	899	784	720	701	736	723	695	651	682	592	22,857
December	1,299	1,307	1,158	1,167	1,179	1,120	1,033	1,012	880	763	689	720	844	768	803	720	631	618	650	637	572	646	593	565	20,374
total	17,360	17,037	16,538	15,581	14,673	14,404	13,703	13,694	12,539	11,245	9,290	9,208	9,958	10,021	10,069	9,955	8,909	8,569	8,306	8,554	8,417	8,194	8,403	7,606	272,233

Prefecture of fatal and non-fatal accidents in construction work 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	1,050	967	887		768		782	754	631	614	500	536	506	546	549	596	563	502	463	505	537	472	502	500	13,730
Aomori	267	222	249		197		151	158	134	131	111	113	127	122	131	141	108	140	125	127	142	117	146	125	3,284
Iwate	227	201	212		165		175	171	156	133	126	110	186	156	187	148	148	149	140	135	122	120	144	144	3,455
Miyagi	268	288	242		280		237	214	222	196	174	167	334	340	280	239	216	239	179	156	191	156	172	153	4,943
Akita	256	216	213		211		171	222	161	147	131	128	150	145	123	154	115	116	115	131	115	101	123	109	3,353
Yamagata	261	256	233		180		210	192	138	140	96	134	122	167	161	139	117	111	100	156	107	102	159	111	3,392
Fukushima	291	263	276		275		234	231	187	194	179	146	226	254	235	262	187	181	164	145	154	187	194	157	4,622
Ibaraki	340	337	310		249		282	229	219	212	170	170	279	241	176	192	167	165	181	153	154	164	237	155	4,782
Tochigi	209	214	172		177		164	160	154	165	140	136	168	162	156	110	127	137	111	113	92	109	122	90	3,188
Gunma	303	298	281		228		216	207	186	161	126	143	147	162	157	175	146	118	138	163	139	133	139	119	3,885
Saitama	556	639	627		673		603	585	662	499	453	472	464	446	488	539	427	380	388	362	328	343	357	331	10,622
Chiba	555	657	642		535		462	504	474	448	395	375	375	352	368	406	370	295	296	283	343	392	299	304	9,130
Tokyo	1,234	1,267	1,384		1,345		1,269	1,253	1,352	1,191	948	935	1,016	985	1,063	1,063	838	799	832	816	842	695	760	669	22,556
Kanagawa	978	993	990		904		804	854	792	675	523	567	548	626	603	567	514	495	445	449	487	488	478	419	14,199
Niigata	526	484	509		395		480	478	403	412	347	359	324	318	336	276	287	228	230	246	247	247	254	209	7,595
Toyama	236	200	216		151		176	148	136	123	100	102	111	138	109	93	110	90	97	94	98	94	112	81	2,815
Ishikawa	112	148	129		106		88	107	75	85	100	80	80	83	89	97	75	76	75	81	71	65	82	74	1,978

Fukui	135	136	126		105		105	122	97	77	67	86	74	74	49	52	62	42	47	83	67	63	59	55	1,783
Yamanashi	107	119	94		79		81	81	72	59	35	53	50	64	62	65	68	51	38	48	64	50	53	55	1,448
Nagano	353	322	335		300		258	244	230	189	152	161	163	163	162	167	187	152	147	168	147	157	146	154	4,457
Gifu	365	353	333		280		238	237	233	186	159	145	147	122	152	146	127	128	121	139	128	131	139	110	4,119
Shizuoka	577	546	493		435		415	465	407	416	322	302	325	340	359	314	256	265	258	258	256	261	240	262	7,772
Aichi	669	645	702		553		517	566	434	445	361	338	376	330	391	369	356	349	333	341	325	362	354	317	9,433
Mie	383	369	362		308		259	297	253	220	193	200	215	169	186	174	158	164	165	181	155	126	157	131	4,825
Shiga	179	161	173		157		118	165	124	119	81	73	94	92	79	94	87	62	65	58	66	88	68	81	2,284
Kyoto	409	436	388		378		317	317	294	252	184	218	227	225	239	233	204	170	187	202	160	169	169	163	5,541
Osaka	1,089	1,139	1,188		966		810	885	797	714	563	492	537	597	504	497	425	421	410	470	493	374	393	343	14,107
Hyogo	854	823	717		644		559	571	548	432	363	356	341	323	353	363	303	324	255	269	247	280	246	247	9,418
Nara	234	224	220		190		172	140	127	145	117	101	92	96	113	101	87	77	80	81	81	78	78	66	2,700
Wakayama	223	197	201		163		150	153	129	110	90	101	86	113	97	88	82	85	78	84	82	73	90	73	2,548
Tottori	86	106	97		77		70	54	60	45	27	29	43	47	43	36	35	39	53	59	56	46	39	40	1,187
Shimane	155	115	131		126		118	106	90	74	56	53	72	57	67	57	50	60	48	46	50	55	53	64	1,703
Okayama	338	321	318		273		244	222	209	160	140	154	154	143	145	169	145	120	140	129	131	119	96	106	3,976
Hiroshima	419	418	436		342		318	291	279	234	188	190	192	188	192	176	179	188	156	182	182	178	159	143	5,230
Yamaguchi	242	236	194		186		167	166	119	124	96	101	124	91	108	95	109	127	87	95	96	83	101	66	2,813
Tokushima	174	171	157		154		121	99	109	109	82	89	87	91	93	77	79	75	75	60	81	64	56	71	2,174
Kagawa	188	164	179		140		159	143	124	97	93	94	75	83	93	81	74	90	72	96	81	48	76	66	2,316
Ehime	253	209	206		190		158	160	137	124	99	101	103	134	107	90	104	93	92	98	80	91	99	82	2,810
Kochi	196	178	167		136		139	103	104	95	83	72	69	71	72	61	77	71	84	70	76	70	66	75	2,135
Fukuoka	737	718	663		550		662	594	549	465	390	375	376	392	390	418	336	363	358	360	305	362	385	324	10,072
Saga	133	124	127		108		127	110	101	95	83	65	85	92	103	94	95	89	72	86	80	94	63	85	2,111
Nagasaki	211	193	184		178		127	169	147	95	96	85	116	112	87	101	105	104	100	99	107	124	120	95	2,755

Kumamoto	265	263	205		207		208	198	190	162	144	140	144	148	169	139	158	184	248	189	149	158	158	131	3,957
Oita	258	243	193		219		181	191	150	126	105	92	124	92	105	117	101	107	70	91	96	108	94	85	2,948
Miyazaki	165	148	130		144		123	128	119	103	81	87	80	90	71	88	60	88	87	85	84	99	91	103	2,254
Kagoshima	217	203	168		164		170	150	131	139	109	95	122	131	158	153	161	148	143	162	159	159	132	137	3,311
Okinawa	77	107	79		82		108	100	94	108	112	87	102	108	109	143	124	112	158	150	164	139	143	126	2,532
total	17,360	17,037	16,538	15,581	14,673	14,404	13,703	13,694	12,539	11,245	9,290	9,208	9,958	10,021	10,069	9,955	8,909	8,569	8,306	8,554	8,417	8,194	8,403	7,606	272,233

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

=====
Fatal accidents in construction work in Japan in 1999-2022

construction work industry Code No.0302

Type of fatal accidents in construction work 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	176	183	170	161	146	163	114	115	120	108	89	96	94	94	102	104	84	80	81	84	67	56	71	77	2,635
falling to same level	4	5	3	4	3	5	2	1	3	2	2	3	1	2	3	3	4	1	4	1	3	1		3	63
crash	1	1	3	2	1	1	1		1	1			1			1									14
struck by flying or falling object	11	7	12	13	10	12	15	14	5	15	6	9	3	8	8	7	9	6	7	11	10	2	5	4	209

collapse	8	18	11	21	13	17	12	21	12	16	13	7	9	13	10	11	7	12	10	8	13	6	15	7	290
crashed by	12	9	6	7	6	8	8	13	12	9	5	2	6	10	7	5	5	6	6	2	6	3	7	5	165
caught in/between	16	14	10	13	10	14	9	12	10	5	7	7	8	6	7	9	6	6	5	9	4	4	6	3	200
cut	1		1	1	1	1	3	1	1	1		1	1	1	2	1	2					2	2		23
injury to the sole of the foot				1	1	1	1	1	2			2	1			1		1							12
drown	2		1	2	1	1		1			1	1	52						1	1		1			65
contact to high/low-temperature	7	6	8	7	4	7	5	10	6	3	5	5	4	5	4	5	7	4	5	8	5	5	6	5	136
contact to harmful substance	3	2	1	1	4	2		2	2	1		2	3	2		2	3	2	1		2		5	2	42
electric shock	4	3	4	2	1	3	5	5	3	2	2	2	1	3	1	3	2	2		2	1	2	2		55
explosion	1					2											1				1	1			6
burst																		1							1
fire	2	2	4	1	1		1	6	6	1	3	3		1	2	1	3	1			1	1			40
traffic accident (public road)	27	42	21	22	18	21	20	19	11	15	10	14	24	5	12	15	10	18	15	12	9	13	9	8	390
traffic accident (others)				1	1				1		2	1													6
reaction to motion/improper motion																									
others	1		1		5	5	7	3	3	1	2		24	3	2	6	4			1	3	5	10	3	89
unclassifiable	1			1		1		1	1	1	1	1					2		2				1		13
total	277	292	256	260	226	264	203	225	199	181	148	156	232	153	160	174	149	140	137	139	125	102	139	117	4,454

Causal agents (large) of fatal accidents in construction work 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	21	20	15	20	12	22	15	20	17	18	14	10	10	12	13	15	10	14	6	10	13	7	11	12	337
crane, conveying machine	42	62	45	35	33	32	41	38	29	24	20	23	39	23	24	29	23	26	26	19	19	19	21	13	705
other equipment	24	20	22	24	21	24	15	15	12	14	10	21	9	12	16	14	9	15	13	14	12	9	18	12	375

temporary buildings, establishments	165	174	157	156	144	153	111	114	116	113	87	89	86	89	93	95	80	72	78	80	61	50	61	67	2,491
substance, material	7	4	2	9	4	14	5	11	10	5	5	5	2	5	3	5	7	3	4	2	4	5	5	1	127
load	4		2	3	1	2	2	1	1	2		1	1		3		1	3	2	2	6		1	2	40
environment	11	12	13	12	9	15	9	20	9	3	8	6	84	9	6	9	11	7	6	11	7	7	13	8	305
others	3			1	2	2	5	6	5	2	4	1	1	3	2	7	8		2	1	3	5	9	2	74
total	277	292	256	260	226	264	203	225	199	181	148	156	232	153	160	174	149	140	137	139	125	102	139	117	4,454

Causal agents (middle) of fatal accidents in construction work 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					1							4
power transmission mechanism																									
woodworking machine			1	1	1	1	2	1	2	3	1		1	1	2	1	1						1		20
construction machine	19	20	14	19	9	20	13	17	15	14	13	8	7	11	10	14	9	12	6	10	13	5	9	11	298
metal manufacturing machine	1				1			1				1	1												5
general machine	1					1				1		1			1			1				2	1	1	10
mobile silviculture machine																									
crane	9	10	15	5	8	4	12	11	10	5	5	3	9	9	9	7	5	4	4	3	7	4	4	2	164
conveying machine	16	23	15	16	14	18	13	15	10	12	9	10	14	9	9	13	10	12	11	9	6	6	13	8	291
vehicle	17	29	15	14	11	10	16	12	9	7	6	10	16	5	6	9	8	10	11	7	6	9	4	3	250
pressure vessel		1																							1
chemical facilities										1															1
welding equipment	1		1	1	1	1				2		3				2	1		1		1	1			16
kiln, caldron				5																					5
electric equipment	2	3	3	2		2	3	3	3	2	2	1	1	2	2	2	1	2		2	1	2	2		43

other pressure vessels		1																						1	
chemical facilities										1														1	
gas welding equipment										1	1										1			3	
arc welding equipment	1		1	1	1	1				1	2				2	1		1		1				13	
other welding equipment																									
kiln, caldron				5																				5	
industrial dryer																									
other kiln, caldron																									
transmission	2	3		2		2	2	2	1	2	2	1	1	2	2	2	1	2		2	1	2	1	35	
electric power facilities			2					1	2															5	
other electrical equipment			1				1															1		3	
human power cranes					1												1					1		3	
human power hauling equipment		1																						1	
human power machine																									
hand tool					1																	1		2	
ladder	15	10	15	12	14	16	8	7	9	4	6	13	6	8	12	10	4	6	10	8	8	4	13	10	228
slinging tool	5	3	2	3	3	4	2	3		3	1	3		2	1		2	4	2	3			2	1	49
other tools		1		1					1		1			2		1			1			1			9
other equipment, facilities	1	1	1		1	1	2	1		1	1	1						2		1	1	1		1	17
scaffolding	54	41	47	36	38	39	32	25	28	29	21	29	19	15	26	33	21	9	24	16	18	14	11	13	638
timbering	1		2	1		1					1					1			1				1		9
stairs, landing stage	2	3	1	2	1	4	2		4	2	3		3	1	2	3		1	1	3	2		2	1	43
opening	4	9	14	11	5	9	7	14	7	8	5	3	6	9	3	4	8	6	3	7	3	2	7	5	159
roof, beam, haze, crossbeam, principal rafter	66	62	62	63	55	63	43	44	44	40	31	32	37	36	44	29	38	32	25	34	23	19	18	28	968
working platform, boot board	12	9	3	9	10	8	4	6	8	6	8	1	6	3	3	3	2	4	3	4	3	2	3	3	123

passage		3		1		2	1	2				2	1	2		2			1	2	1		2		22
building, establishment	26	40	23	28	29	20	19	19	20	26	13	17	12	20	14	18	9	17	11	12	7	10	16	12	438
other temporary buildings, establishments		7	5	5	6	7	3	4	5	2	5	5	2	3	1	2	2	3	9	2	4	3	1	5	91
explosive substance																									
inflammable substance		1						3	5		2		1	1		2	1								16
inflammable gas	1				2						1					2					2	1			9
harmful substance	3			1	2	2		1	3	1		2	1	1		2	2	1					2	1	25
radiation																									
other hazards, harmful substances			1			1																			2
metal material	1	1	1	4		4	3	3	2	3	2		2	2	3			2	1	1	3	2			40
lumber, bamboo	2	1		2		4	1	4		1		1	1	1			1				1				20
stone, sand, substance					1	1													1	1					4
other materials		1		2	1		1				1	1						1	1			1	1		11
load	3		2	3	1	2	1	1	1	2		1			3			2	1	2	6			2	33
machine/equipment as load	1						1						1				1	1	1				1		7
natural ground, rock	1	2	3	4		5	1	4	2	1	2		3	1		3	3	2			1	1	3		42
standing tree		1						4	1			1		2		1		1		1				1	13
water	1		1	1	1	1					1		74						1				1		82
abnormal environment		2			1								1	1							1		3	1	10
high/cold temperature environment	8	6	9	7	6	8	8	9	6	2	5	5	4	5	4	5	7	4	5	8	5	5	6	6	143
other environments	1	1			1	1		3					2		2		1			2			1		15
other causal agent	1				2	2	4	3									2					2	7		23
no causal agent	1						1	2	4	1	2		1	3	2	5	4		1	1	3	3	2	2	38
unclassifiable	1			1				1	1	1	2	1				2	2		1						13

total	277	292	256	260	226	264	203	225	199	181	148	156	232	153	160	174	149	140	137	139	125	102	139	117	4,454
-------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-------

Workers age of fatal accidents in construction work 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	3	8	3	3	8	7	5	3	4	3	5	5	1	4	5	5	5	3	3	3		3	1	2	92
20-29	45	38	33	47	40	28	30	28	26	17	33	20	25	13	12	21	15	14	16	19	14	11	17	15	577
30-39	21	37	41	33	22	32	23	29	29	28	22	20	34	28	21	25	17	21	17	18	14	14	19	10	575
40-49	58	43	41	30	31	29	28	31	27	32	20	18	32	19	28	27	22	29	36	19	21	17	19	14	671
50-59	79	88	68	73	62	85	66	78	45	41	34	41	67	36	30	30	34	30	20	25	27	29	32	22	1,142
60 years old or more	71	78	70	74	63	83	51	56	68	60	34	52	73	53	64	66	56	43	45	55	49	28	51	54	1,397
total	277	292	256	260	226	264	203	225	199	181	148	156	232	153	160	174	149	140	137	139	125	102	139	117	4,454

Workers' number of workplace of fatal accidents in construction work 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	168	169	136	173	138	175	120	149	133	122	92	100	157	104	112	98	97	86	105	94	83	70	86	83	2,850
10-29	76	92	78	54	59	67	59	52	45	35	38	45	55	42	33	52	37	33	29	33	30	23	40	20	1,127
30-49	18	15	25	17	18	14	11	11	14	11	11	8	15	5	4	13	9	16	2	3	7	8	7	7	269
50-99	8	7	12	10	8	4	11	7	5	9	6		2	1	5	7	4	1		5	2	1	2	5	122
100-299	5	8	5	2	3	3	1	4	2	3	1	3	3	1	4	4	2	4	1	4	2		4	2	71
300 workers or more	2	1		4		1	1	2		1					2						1				15
total	277	292	256	260	226	264	203	225	199	181	148	156	232	153	160	174	149	140	137	139	125	102	139	117	4,454

Month of fatal accidents in construction work 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	30	14	14	14	18	13	13	9	16	13	10	15	9	12	11	8	11	12	4	13	7	8	10	10	294
February	18	21	21	23	9	19	20	23	14	13	12	12	14	15	9	17	8	9	13	8	18	8	9	9	342
March	23	30	22	18	21	24	23	19	18	13	15	11	82	15	10	20	13	13	11	7	10	12	11	14	455
April	20	26	17	25	19	15	20	17	12	16	8	9	9	6	5	7	13	11	14	6	9	6	12	7	309
May	18	18	21	11	24	12	9	12	14	13	5	10	14	12	11	19	11	6	7	10	8	4	8	6	283
June	26	21	16	11	7	14	15	13	18	11	15	12	16	13	16	14	10	8	6	15	5	9	10	12	313
July	25	34	31	31	24	33	17	29	14	16	15	13	15	19	15	17	14	10	19	16	14	10	20	16	467
August	20	30	24	23	28	28	19	26	22	17	19	22	11	17	12	20	19	13	18	12	13	10	16	12	451
September	18	16	23	19	18	39	8	17	19	21	9	15	15	8	14	17	19	14	13	20	11	15	16	6	390
October	24	28	31	21	23	27	15	19	17	16	13	9	15	12	17	14	15	17	9	12	7	8	9	10	388
November	25	24	14	25	22	20	25	24	17	19	18	14	16	13	19	12	8	18	17	7	13	5	9	10	394
December	30	30	22	39	13	20	19	17	18	13	9	14	16	11	21	9	8	9	6	13	10	7	9	5	368
total	277	292	256	260	226	264	203	225	199	181	148	156	232	153	160	174	149	140	137	139	125	102	139	117	4,454

Prefecture of fatal accidents in construction work 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	17	20	11	18	9	12	8	11	9	12	9	12	5	10	8	7	9	15	6	6	9	6	7	5	241
Aomori	3	4	6		3	1	1	1		4	2	3		3	1	1	1	1	1		3		1	3	43
Iwate	2	2	5	3	3	4	2	2	2	1	1		23	3	3	3	3	3	5	2	1	2	4	1	80
Miyagi	2	13	4	4	6	2	4	5		3	2		59	5	5	3	4	1	3	3	4	2	2	1	137
Akita	8	2	2	2	2	2		3	3	2	3	2			3	3	6	2	2	4		1	3	3	58
Yamagata	4	1	4	5	1	2	1	3	1	2		3	1	3	4	4	1	1	1	3	3	3	2		53
Fukushima	9	4	3	5	3	5	3	1	4	8			10	3	5	3	4	3	3	3	1	4	4	2	90

Ibaraki	5	7	6	10	6	10	2	6	10	3	3	4	8	2	5	6	3	5	3	2	3	1	6	5	121
Tochigi	5	2	5	3	4	4	3	3	2	4		3	5	3	1	5	3	3	2	1	2		2	1	66
Gunma	3	2	3	7	3	5		2	2	4	2	3	1	4	3	4	1	1		3			2		55
Saitama	8	14	14	11	12	12	12	9	5	9	9	7	5	9	9	10	7	2	7	7	3	4	6	4	195
Chiba	13	10	14	17	14	10	4	8	10	11	6	8	5	9	11	11	7	4	4	4	7	4	2	7	200
Tokyo	26	31	34	25	24	27	23	26	27	18	15	12	13	18	19	22	17	14	18	13	10	5	22	14	473
Kanagawa	11	18	16	8	14	17	13	10	14	6	11	13	15	8	8	10	6	3	3	6	7	7	14	6	244
Niigata	9	2	5	5	3	8	8	6	5	4	3	2	2	6	5	3	2	2	1	5	3	2	1		92
Toyama	2	4	4	4		1	3	6	1	1		1	3	1		2	1	2	1	1	2	1	1	3	45
Ishikawa		3	1	2	3	5			2	2	2	2	1	2	1	3	2		1	1			1	1	35
Fukui	2	3		1	1	3	3	3		2		1	1		1		1	1	1	2	1		1	2	30
Yamanashi		4		1	2	1		1	1			2		2	1	1	1	2				1		1	21
Nagano	3	2	6	8	2	2	4	4	4	3	4	2	6	2	4	1	2	2	1			1	2	3	68
Gifu	2	13	4	5	6	5	3	4	6		1	2	3	1	1	1	3	4	2	5		1	2	4	78
Shizuoka	12	7	8	7	7	10	2	10	8	9	4	7	7	6	1	2	4	2	4	5	1	1	6	3	133
Aichi	8	13	15	10	12	13	10	16	12	11	4	7	6	5	6	10	8	5	6	3	8	5	5	6	204
Mie	4	2	2	2	1	7	7	2	2		2	4	2		2	2	3	3	3	2	2		2	1	57
Shiga	2	3	1	4	5	1	4	2	1	1	3		3	2	1	1	2	3	1			1		1	42
Kyoto	5	5	4	5	5	1	7		7	6	5	2	3		2	1	5	1	5	2	6	1		3	81
Osaka	9	15	17	16	16	14	17	24	17	14	6	11	10	6	16	9	9	8	8	16	13	5	8	6	290
Hyogo	22	15	14	6	19	14	5	7	5	5	10	14	2	8	5	6	3	2	7	6	6	5	5	4	195
Nara	2	3	2	1	2	1	2			3	2	3	1	1	2	4	2		1	1	1	1	1		36
Wakayama	1	6	2	3	1	4	3	1	3	2	2	2	2			1	1	4	1	2	2		1	1	45
Tottori	1	2	1	5	2					1		1	1		1	1					1	3	2	1	23

Shimane	3	2			1		1	5	3	1	1	1	2		1	2		2		2	1	1	1	1	31
Okayama	7	7	4	10	2	2	4	4	1	1	5	1	5	3	2	2		2		2	1	5	2		72
Hiroshima	5	6	4	5	3	12	6	3	4	3		2	1	2	4	4	3	3	1	2	1	2	1	3	80
Yamaguchi	8	6	3	4	3	2	1	3	3		4		1	2	1	4	2	5	2	1	2	1	2	1	61
Tokushima	2	1	1	3	3	4	1		1		1			3	1	2		2	1			2		2	30
Kagawa	6	1	1	6		2	4	4	3	1	1	1	1	2		1	2	2	1			1	1	2	43
Ehime	3	3	2	4	2	6	4	2	3	2		2	1	2	1	1	1	1	1	3	5	1	1	1	52
Kochi	3	1	1		1	1	3		1	2	1			1	1	2		2	2	2	3			1	28
Fukuoka	9	12	8	11	6	10	8	6	8	8	7	9	7	7	6	6	6	9	5	7	2	5	6	8	176
Saga	3	2	2	1			3	2	1			2		1	1	1		2	2	2		1	1	1	28
Nagasaki	2	4	5	3	4	8	3	2	1	4	4		2	2	3	2	5	3	1	4	2	3	3		70
Kumamoto	7	8	2	2	4	5	4	3		1	3		3	2	1		3	5	10	3		4	1		71
Oita	3	2	3	1	1	2	3	3	1	2	2	1	2	2	1	2	1	1		1			2	2	38
Miyazaki	7	2	2	4	3		2	3	1		1		1			1	1		2		2	3	1	2	38
Kagoshima	7	2	3		1	6	1	5	2	3	1	2	1	2	2	3	1	1	4	1	4	1		1	54
Okinawa	2	1	2	3	1	1	1	4	3	2	6	2	2		1	1	3	1	4	1	3	5	2		51
total	277	292	256	260	226	264	203	225	199	181	148	156	232	153	160	174	149	140	137	139	125	102	139	117	4,454

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