

Fatal and non-fatal accidents in wooden house construction work in Japan in 1999-2021

wooden house construction work industry Code No.030202

Type of accidents in wooden house construction work in 1999-2021

Type of accidents	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Type of accidents
fall from height	3,197	2,883	2,737	2,459	2,318	2,336	2,175	1,969	1,620	1,464	1,264	1,198	1,256	1,361	1,346	1,205	997	1,152	1,104	1,012	966	891	845	37,755	fall from height
falling to same level	519	523	456	416	403	389	340	338	300	250	222	225	234	259	217	264	196	211	203	215	191	201	168	6,740	falling to same level
crash	304	263	252	194	200	178	165	162	148	119	102	126	100	99	107	113	108	92	104	68	94	82	79	3,259	crash
struck by flying or falling object	560	540	478	475	379	416	378	358	287	292	240	196	239	227	238	211	167	170	188	166	194	173	138	6,710	struck by flying or falling object
collapse	116	103	96	104	95	58	78	77	73	53	51	56	58	62	65	59	43	54	56	55	46	44	40	1,542	collapse
crashed by	236	199	197	186	173	148	125	125	130	109	77	104	80	100	79	75	89	54	76	76	84	59	76	2,657	crashed by
caught in/between	474	402	370	345	300	318	279	265	241	211	182	163	181	181	168	155	152	173	134	146	116	122	109	5,187	caught in/between
cut	1,782	1,646	1,556	1,402	1,292	1,150	1,004	904	746	729	601	580	521	518	549	464	396	398	342	347	317	305	284	17,833	cut
injury to the sole of the foot	61	52	56	42	61	47	31	33	31	22	21	25	30	30	23	29	28	23	22	22	12	19	18	738	injury to the sole of the foot
drown	1					1				1			19											22	drown
contact to high/low-temperature	15	15	16	25	16	22	15	19	12	10	14	31	28	24	18	19	16	20	13	33	22	30	15	448	contact to high/low-temperature
contact to harmful	10	10	9	8	6	3	5	5	6	3	10	5	8	5	1	5	10	3	4	4	3	2	3	128	contact to harmful

substance																									substance
electric shock	2		3	2		2	4	2	1	1	3	1	1	1	2		3	2	1	2	2	3	2	40	electric shock
explosion				2	2		1	3			1									1			1	11	explosion
burst	1						1	2	1				1	2		1			1					10	burst
fire	2		2	1	1	2		1			3		1	1			1	1	1	2	1	1		21	fire
traffic accident (public road)	82	66	53	70	62	54	52	67	42	34	31	31	57	43	55	41	35	40	30	39	40	40	42	1,106	traffic accident (public road)
traffic accident (others)	2	1						1	1											1				6	traffic accident (others)
reaction to motion/improper motion	321	301	302	235	230	216	198	200	200	172	157	153	154	129	128	119	126	123	114	116	122	130	121	4,067	reaction to motion/improper motion
others	31	18	20	14	25	25	20	13	14	9	7	8	13	9	14	16	10	8	7	4	8	15	42	350	others
unclassifiable	7	1	1	2	3	4	2	4	3	2	2		1	1		1	1	1		2				38	unclassifiable
total	7,723	7,023	6,604	5,982	5,566	5,369	4,873	4,548	3,856	3,481	2,988	2,902	2,982	3,052	3,010	2,777	2,378	2,525	2,400	2,311	2,218	2,117	1,983	88,668	total

Causal agents (large) of fatal and non-fatal accidents in wooden house construction work in 1999-2021

Causal (L) agents	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Causal (L) agents
machine	1,734	1,636	1,499	1,387	1,274	1,133	1,034	948	801	779	665	578	582	558	572	490	416	441	368	376	366	342	308	18,287	machine
crane, conveying machine	398	355	307	323	275	254	233	257	227	174	148	149	190	172	202	170	152	184	150	138	148	144	148	4,898	crane, conveying machine
other equipment	1,474	1,290	1,208	1,155	1,046	1,011	948	851	726	662	584	583	593	621	618	546	477	478	489	451	425	430	391	17,057	other

																									equipment
temporary buildings, establishments	2,943	2,650	2,534	2,165	2,160	2,119	1,921	1,782	1,496	1,312	1,090	1,079	1,116	1,212	1,131	1,075	903	1,023	985	954	889	795	761	34,095	temporary buildings, establishments
substance, material	881	815	791	716	585	651	537	501	439	399	347	350	330	322	346	339	284	265	260	246	265	247	220	10,136	substance, material
load	72	81	82	61	65	64	62	52	61	42	41	32	39	37	40	30	32	31	33	34	39	33	27	1,090	load
environment	85	72	71	74	71	56	55	77	32	42	39	73	75	73	55	73	53	60	58	67	40	56	47	1,404	environment
others	136	124	112	101	90	81	83	80	74	71	74	58	57	57	46	54	61	43	57	45	46	70	81	1,701	others
total	7,723	7,023	6,604	5,982	5,566	5,369	4,873	4,548	3,856	3,481	2,988	2,902	2,982	3,052	3,010	2,777	2,378	2,525	2,400	2,311	2,218	2,117	1,983	88,668	total

Causal agents (middle) of fatal and non-fatal accidents in wooden house construction work in 1999-2021

Causal (M) agents	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Causal (M) agents	
engine	1	1						1	1		1			1		1				1		1			9	engine
power transmission mechanism	6	1	3	1	3	1	2		1	2	2	1		1	1	2		3	1		1	1	1		34	power transmission mechanism
woodworking machine	1,424	1,332	1,221	1,073	1,031	890	773	707	608	589	488	419	402	398	409	325	275	266	236	238	219	220	175		13,718	woodworking machine
construction machine	70	84	72	82	56	67	83	74	64	52	52	40	60	57	61	56	47	59	54	66	64	46	49		1,415	construction machine
metal manufacturing machine	98	85	79	87	78	71	75	79	55	58	52	42	47	41	28	52	40	38	32	29	37	23	27		1,253	metal manufacturing machine

general machine	135	133	124	144	106	104	101	87	72	78	70	76	73	60	73	54	54	75	45	42	45	51	55	1,857	general machine	
mobile silviculture machine																							1	1		mobile silviculture machine
crane	69	73	60	59	61	49	46	48	52	43	31	25	34	30	32	32	27	37	24	27	31	20	17	927	crane	
conveying machine	265	220	199	203	168	166	148	152	140	107	91	100	110	102	135	111	94	120	98	81	86	87	102	3,085	conveying machine	
vehicle	64	62	48	61	46	39	39	57	35	24	26	24	46	40	35	27	31	27	28	30	31	37	29	886	vehicle	
pressure vessel		1	1		2	1	2	1		1		1	1	1				2						14	pressure vessel	
chemical facilities									1															1	chemical facilities	
welding equipment		1	2	1		1	1			1			2		1			1	1		1			13	welding equipment	
kiln, caldron	3		2	1	1	1		1	2			1	2			1					1	1	1	18	kiln, caldron	
electric equipment	2	1	6	5	2	8	7	2	5	4	4	4	2	1	4	1	7	7	4	2	3	5	3	89	electric equipment	
human power machine, tools	473	398	395	363	333	291	247	225	189	175	124	152	128	128	142	120	99	103	100	94	85	73	83	4,520	human power machine, tools	
tools	966	867	776	759	682	685	673	609	507	470	440	409	440	475	451	409	353	359	377	334	325	332	296	11,994	tools	
other equipments, facilities	30	22	26	26	26	24	18	13	22	11	16	16	18	16	20	15	18	6	7	21	10	19	8	408	other equipments, facilities	
temporary buildings, establishments	2,943	2,650	2,534	2,165	2,160	2,119	1,921	1,782	1,496	1,312	1,090	1,079	1,116	1,212	1,131	1,075	903	1,023	985	954	889	795	761	34,095	temporary buildings, establishments	

hazards, harmful substances	16	10	11	12	8	6	12	10	7	5	12	7	11	6	2	5	6	5	6	5	5	5	3	175	hazards, harmful substances
materials	865	805	780	704	577	645	525	491	432	394	335	343	319	316	344	334	278	260	254	241	260	242	217	9,961	materials
load	72	81	82	61	65	64	62	52	61	42	41	32	39	37	40	30	32	31	33	34	39	33	27	1,090	load
natural environment	85	72	71	74	71	56	55	77	32	42	39	73	75	73	55	73	53	60	58	67	40	56	47	1,404	natural environment
other causal agent	38	32	22	22	23	17	24	9	22	8	10	4	7	6	5	12	14	8	12	12	6	16	38	367	other causal agent
no causal agent	95	91	87	74	66	62	56	67	50	60	62	52	49	48	41	40	45	34	45	30	40	53	43	1,290	no causal agent
unclassifiable	3	1	3	5	1	2	3	4	2	3	2	2	1	3		2	2	1		3		1		44	unclassifiable
total	7,723	7,023	6,604	5,982	5,566	5,369	4,873	4,548	3,856	3,481	2,988	2,902	2,982	3,052	3,010	2,777	2,378	2,525	2,400	2,311	2,218	2,117	1,983	88,668	total

Causal agents (small) of fatal and non-fatal accidents in wooden house construction work in 1999-2021

Causal (S) agents	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Causal (S) agents	
engine								1	1		1			1		1				1		1		7	engine	
power transmission mechanism			3		3		2		1	2	2	1		1	1	2		3	1		1	1	1		25	power transmission mechanism
circular sawing machine			692		582		435	413	354	325	278	249	237	242	250	196	152	151	141	146	129	109	100	5,181	circular sawing machine	
band sawing machine			16		11		18	11	4	14	9	8	5	6	7	3	3	2	1	3		2	2		125	band sawing machine
wood planer machine			281		232		150	134	109	138	85	79	63	70	62	50	45	47	44	37	28	39	24	1,717	wood planer machine	

machine																								machine
other mobile silviculture machine																								other mobile silviculture machine
crane		7	9	13	6	9	3	3	2	5	1	4	4	4	4		5	6	4	2	91	crane		
mobile crane		37	40	26	35	30	34	23	17	20	23	24	21	15	26	19	18	23	9	14	454	mobile crane		
derrick crane																							derrick crane	
elevator, lift		3	2		1	1	1	2	3	1	1	1			2		1					19	elevator, lift	
cargo lifting appliance										1												1	cargo lifting appliance	
gondola		1																				1	gondola	
lumberyard equipment, logging cableway																							lumberyard equipment, logging cableway	
simple skyline yarding equipment																					1	1	simple skyline yarding equipment	
other powered crane		12	10	7	6	12	5	3	3	7	5	3	7	8	5	5	3	2	7			110	other powered crane	
truck		177	153	133	146	130	99	84	90	102	95	131	106	91	112	92	75	82	81	96	2,075	truck		
forklift		7	4	8	3	5	2	4	6	6	4	3	2	2	3	4	5	3	2	2	75	forklift		
railway equipment																			1		1	1	railway equipment	
conveyor		5	3	1			2	1		1	1		1		1							16	conveyor	
loader		1					1			1												3	loader	
straddle carrier																							straddle carrier	
rough terrain hauler		1	2							1	1				1	1		1	1	1	10	rough terrain hauler		
other powered		8	6	6	3	4	4	2	3		1	1	2	1	3	1	1		2	3	51	other powered		

conveying machines																									conveying machines
cars, bus, motorcycle			46		45		39	57	35	24	25	24	46	39	34	27	31	26	28	30	31	36	29	652	cars, bus, motorcycle
railway vehicle											1													1	railway vehicle
other vehicles			2		1								1	1				1				1		7	other vehicles
boiler										1								1						2	boiler
pressure vessel			1																					1	pressure vessel
other pressure vessels					2		2	1				1	1	1				1						9	other pressure vessels
chemical facilities									1															1	chemical facilities
gas welding equipment			1				1			1			2						1					6	gas welding equipment
arc welding equipment			1												1			1				1		4	arc welding equipment
other welding equipment																									other welding equipment
kiln, caldron			2		1			1	2				2								1	1	1	11	kiln, caldron
industrial dryer																									industrial dryer
other kiln, caldron												1				1								2	other kiln, caldron
transmission			4		2		6		2	2	3	1	2	1	1	1	5	4	4	2	3	4	3	50	transmission
electric power facilities			1					1	1						1		1							5	electric power facilities
other electrical equipment			1				1	1	2	2	1	3			2		1	3				1		18	other electrical equipment
human power			1		3			2	1	1			1		2		1	2			3		1	18	human power

cranes																									cranes
human power hauling equipment			7		9		4	9	7	6	4	4	6	3	2	7	4	3	1	4	4	2	1	87	human power hauling equipment
human power machine			8		6		4	4	3	4	1	2	4	7	4	3	2		2	3	2	2	5	66	human power machine
hand tool			379		315		239	210	178	164	119	146	117	118	134	110	92	98	97	87	76	69	76	2,824	hand tool
ladder			707		630		617	545	450	416	405	373	396	432	413	371	309	333	333	312	295	308	267	7,912	ladder
slinging tool			7		18		19	9	11	8	6	12	7	11	7	7	11	4	9	3	7	3	3	162	slinging tool
other tools			62		34		37	55	46	46	29	24	37	32	31	31	33	22	35	19	23	21	26	643	other tools
other equipment, facilities			26		26		18	13	22	11	16	16	18	16	20	15	18	6	7	21	10	19	8	306	other equipment, facilities
scaffolding			660		596		503	502	424	391	269	266	277	315	317	323	229	286	268	234	266	211	215	6,552	scaffolding
timbering			6		6		3	3	6	2	4	1	3	2	3	2	3	1	2	2	1		1	51	timbering
stairs, landing stage			82		80		65	56	56	48	40	50	42	45	42	53	36	48	56	42	56	44	40	981	stairs, landing stage
opening			77		71		53	59	48	48	44	39	33	25	36	24	37	35	28	31	34	28	28	778	opening
roof, beam, haze, crossbeam, principal rafter			1,040		840		807	652	531	485	411	398	425	476	400	375	322	369	346	317	263	235	231	8,923	roof, beam, haze, crossbeam, principal rafter
working platform, boot board			199		163		119	133	132	102	81	80	94	98	93	83	74	66	73	63	64	69	52	1,838	working platform, boot board
passage			135		131		122	97	86	82	82	67	69	66	70	70	69	85	71	99	72	77	78	1,628	passage
building, establishment			277		213		200	224	166	119	131	146	141	143	142	113	107	111	121	124	95	96	87	2,756	building, establishment
other temporary buildings, establishments			58		60		49	56	47	35	28	32	32	42	28	32	26	22	20	42	38	35	29	711	other temporary buildings, establishments

explosive substance						1	2																3	explosive substance	
inflammable substance			2		2		2			1	2	2	1	1			1	1	2	2	1		20	inflammable substance	
inflammable gas					2		1	1				2				1		1					8	inflammable gas	
harmful substance			4		2		1	4	1	1	7	5	4	2	1	5	3	3	2	2	1		1	49	harmful substance
radiation																								radiation	
other hazards, harmful substances			5		2		7	3	6	3	3		4	3	1		2	1	2	1	2	4	2	51	other hazards, harmful substances
metal material			223		178		166	162	147	120	105	118	103	112	128	123	113	91	93	94	97	90	89	2,352	metal material
lumber, bamboo			415		296		261	232	207	202	173	165	145	148	155	147	120	116	110	94	111	106	83	3,286	lumber, bamboo
stone, sand, substance			38		32		25	34	23	21	20	14	15	20	17	25	6	12	14	19	16	11	7	369	stone, sand, substance
other materials			104		71		73	63	55	51	37	46	56	36	44	39	39	41	37	34	36	35	38	935	other materials
load			64		54		53	46	50	36	37	26	32	27	33	27	30	30	27	31	34	29	24	690	load
machine/equipment as load			18		11		9	6	11	6	4	6	7	10	7	3	2	1	6	3	5	4	3	122	machine/equipment as load
natural ground, rock			19		22		17	16	11	11	13	9	9	15	11	11	8	15	10	11	4	4	6	222	natural ground, rock
standing tree			15		12		11	11	4	7	11	16	5	7	6	7	10	6	10	10	3	7	4	162	standing tree
water					3		1	1			1	2	23						1			1		33	water
abnormal environment					1							1	4			4		1				1		12	abnormal environment
high/cold temperature environment			12		11		7	20	6	7	7	29	18	26	16	18	17	18	11	25	20	28	14	310	high/cold temperature environment

other environments			25		22		19	29	11	17	7	16	16	25	22	37	14	21	25	21	13	15	23	378	other environments
other causal agent			22		23		24	9	22	8	10	4	7	6	5	12	14	8	12	12	6	16	38	258	other causal agent
no causal agent			87		66		56	67	50	60	62	52	49	48	41	40	45	34	45	30	40	53	43	968	no causal agent
unclassifiable			3		1		3	4	2	3	2	2	1	3		2	2	1		3		1		33	unclassifiable
total			6,604		5,566		4,873	4,548	3,856	3,481	2,988	2,902	2,982	3,052	3,010	2,777	2,378	2,525	2,400	2,311	2,218	2,117	1,983	62,571	total

Workers age of fatal and non-fatal accidents in wooden house construction work in 1999-2021

Age	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Age
19 years old or less	264	233	198	185	149	146	123	102	80	72	45	50	65	82	112	98	79	82	63	73	60	63	44	2,468	19 years old or less
20-29	1,507	1,461	1,407	1,280	1,129	1,007	928	848	662	554	476	450	445	438	407	355	323	366	342	313	365	353	351	15,767	20-29
30-39	915	809	881	827	852	867	795	798	685	674	603	588	614	605	549	532	427	411	397	367	349	342	305	14,192	30-39
40-49	1,621	1,359	1,201	979	880	837	707	586	500	419	388	402	372	463	477	453	376	412	430	434	404	381	382	14,463	40-49
50-59	1,894	1,763	1,665	1,580	1,491	1,451	1,374	1,296	1,127	1,020	836	704	727	625	624	495	414	437	388	349	341	331	302	21,234	50-59
60 years old or more	1,522	1,398	1,252	1,131	1,065	1,061	946	918	802	742	640	708	759	839	841	844	759	817	780	775	699	647	599	20,544	60 years old or more
total	7,723	7,023	6,604	5,982	5,566	5,369	4,873	4,548	3,856	3,481	2,988	2,902	2,982	3,052	3,010	2,777	2,378	2,525	2,400	2,311	2,218	2,117	1,983	88,668	total

Workers' number of workplace of fatal and non-fatal accidents in wooden house construction work in 1999-2021

Workers scale	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Workers scale
9 workers or less	6,055	5,554	5,256	4,765	4,495	4,323	3,918	3,660	3,101	2,807	2,427	2,391	2,365	2,410	2,359	2,174	1,877	1,920	1,823	1,750	1,654	1,542	1,429	70,055	9 workers or less
10-29	1,357	1,192	1,093	978	894	814	756	717	621	531	439	413	472	510	502	483	402	476	426	420	417	441	430	14,784	10-29
30-49	196	174	148	151	113	131	95	94	87	81	79	60	92	69	91	65	61	72	90	95	88	75	66	2,273	30-49

total	7,723	7,023	6,604	5,566	4,873	4,548	3,856	3,481	2,988	2,902	2,982	3,052	3,010	2,777	2,378	2,525	2,400	2,311	2,218	2,117	1,983	77,317	total
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Fatal and non-fatal accidents mean fatal and non-fatal injuries and occupational diseases with work absence of 4 days and more. 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.htm> (MHLW, Japan)

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 Fatal accidents in wooden house construction work in Japan in 1999-2021

wooden house construction work industry Code No.030202

Type of fatal accidents in wooden house construction work in 1999-2021

Type of accidents	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Type of accidents
fall from height	65	61	55	62	45	64	28	28	34	33	23	21	27	30	26	19	29	26	22	19	21	15	12	765	fall from height
falling to same level		3		1	1		2	1	1			1			1		2		2		1			16	falling to same level
crash			1		1				1															3	crash
struck by flying or falling object	2		1	2	2	3	2	1	3	3	3	2	1	1		2	1	1		3	2			35	struck by flying or falling object
collapse		1	2	2		1	3	1		2	2	1	1	2	1		2	3	3	2	1	1	1	32	collapse
crashed by	2	1	2	2		2	2	1	2	1	1			3	1	1	1			1			1	24	crashed by
caught in/between	4	4	1	2		2	2			2	1	2				1	2	1	1	1	1			27	caught in/between
cut			1	1	1		2	1	1						2		1						1	11	cut

Causal (L) agents	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Causal (L) agents	
machine	4	5	1	4	1	2	2	2	4	7	4	1	2	1	4	3	3		1	2	4		2	59	machine	
crane, conveying machine	11	10	8	4	4	8	6	7	2	3	3	3	5	6	2	3	4	3	3	1	2	2	3	103	crane, conveying machine	
other equipment	9	5	7	5	10	11	4		1	1	1	7	2	5	2	3	4	4	3	3	5	1	5	98	other equipment	
temporary buildings, establishments	56	55	48	60	40	53	29	28	34	31	22	18	24	24	25	16	26	24	20	19	18	15	7	692	temporary buildings, establishments	
substance, material		1	1	1		2	2	2		1	1	1	1	1			2	2	1	1					20	substance, material
load	1		2	2															1						6	load
environment	2		2	2		4	1	4	2		3	2	25	3	1	2	5	1	1	5		1	1		67	environment
others	2				1	1		5	1				1	1		2	1					1	1		17	others
total	85	76	69	78	56	81	44	48	44	43	34	32	60	41	34	29	45	34	30	31	29	20	19	1,062	total	

Causal agents (middle) of fatal accidents in wooden house construction work in 1999-2021

Causal (M) agents	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Causal (M) agents		
engine													1												1	engine	
power transmission mechanism																											power transmission mechanism
woodworking machine			1	1	1		1	1	2	2					2		1						1		13	woodworking machine	
construction machine	4	5		3		2	1	1	2	4	4	1	1	1	2	3	2		1	2	4		1		44	construction machine	

hand tool					1																			1	hand tool
ladder	7	5	7	4	8	8	2		1		1	4	2	3	2	3	2	3	3	3	4	1	4	77	ladder
slinging tool	1				1	2	1			1		2		2			1	1						12	slinging tool
other tools																									other tools
other equipment, facilities						1																		1	other equipment, facilities
scaffolding	14	11	5	15	5	11	5	5	7	6	2	3	4	3	7	7	5	5	6	6	3	2	2	139	scaffolding
timbering																									timbering
stairs, landing stage						1	2		1	1			2		1									8	stairs, landing stage
opening		4	3	2		2	2			2	2		2	4			2	1		1	1			28	opening
roof, beam, haze, crossbeam, principal rafter	35	28	35	33	27	28	17	19	20	17	10	11	13	14	13	7	15	15	9	6	11	9	3	395	roof, beam, haze, crossbeam, principal rafter
working platform, boot board	5	3	1	6	4	3		2	2	1	4		2	1	1		2	1		2	1	2	1	44	working platform, boot board
passage		2					1												1	1				5	passage
building, establishment	2	7	3	4	3	4	2	2	3	4	3	2	1	2	3	2	1	2	3	3		2	1	59	building, establishment
other temporary buildings, establishments			1		1	4			1		1	2					1		1		2			14	other temporary buildings, establishments
explosive substance																									explosive substance
inflammable substance		1									1			1				1						4	inflammable substance
inflammable gas																	1							1	inflammable gas

harmful substance								1															1	harmful substance
radiation																								radiation
other hazards, harmful substances			1																				1	other hazards, harmful substances
metal material																		1					1	metal material
lumber, bamboo				1		2	1	1		1	1						1						9	lumber, bamboo
stone, sand, substance																								stone, sand, substance
other materials							1										1	1					3	other materials
load	1		2	2																			6	load
machine/equipment as load																								machine/equipment as load
natural ground, rock							1	1		1	1					1	1						6	natural ground, rock
standing tree									1		1		1										3	standing tree
water						1						22										1	24	water
abnormal environment																								abnormal environment
high/cold temperature environment	2		2	2		3		3	1		2	1	2	2	1	2	4			4		1	32	high/cold temperature environment
other environments																			1			1	2	other environments
other causal agent	1				1	1		3									1				1	1	9	other causal agent
no causal agent								1	1			1	1		2								6	no causal agent
unclassifiable	1							1	1														2	unclassifiable

total	85	76	69	78	56	81	44	48	44	43	34	32	60	41	34	29	45	34	30	31	29	20	19	1,062	total
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Workers age of fatal accidents in wooden house construction work in 1999-2021

Age	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Age
19 years old or less					1	2	1	1		1							1					1		8	19 years old or less
20-29	3	4	3	6	8	3	1	3	2	4	5		8	1		1	4	3	2	5	1	1	1	69	20-29
30-39	5	3	3	4	4	5	4	4	5	4	3	3	5	5	2	2	4	1	1	1	2	2	1	73	30-39
40-49	19	9	13	9	5	9	7	5	3	2	5	2	3	4	3	6	6	7	9	2	5	3		136	40-49
50-59	31	26	20	26	17	27	16	17	10	13	9	11	19	10	5	3	12	5	4	5	3	6	1	296	50-59
60 years old or more	27	34	30	33	21	35	15	18	24	19	12	16	25	21	24	17	18	18	14	18	18	7	16	480	60 years old or more
total	85	76	69	78	56	81	44	48	44	43	34	32	60	41	34	29	45	34	30	31	29	20	19	1,062	total

Workers' number of workplace of fatal accidents in wooden house construction work in 1999-2021

Workers scale	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Workers scale
9 workers or less	64	55	56	65	43	67	27	34	37	35	26	27	49	37	28	13	36	24	27	25	27	16	17	835	9 workers or less
10-29	14	18	9	8	9	12	15	13	6	4	6	4	10	3	6	15	7	5	2	5	2	3	1	177	10-29
30-49	2	3	2	2	3	2				1	1	1	1	1		1	2	3		1				26	30-49
50-99	1		1	3	1		2		1	3	1											1		14	50-99
100-299	2		1					1										2	1				1	8	100-299
300 workers or more	2																							2	300 workers or more
total	85	76	69	78	56	81	44	48	44	43	34	32	60	41	34	29	45	34	30	31	29	20	19	1,062	total

Month of fatal accidents in wooden house construction work in 1999-2021

Month	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Month
January	7	4	1	4	3	3	2		1	2	2	7	1	2	3	1	2	3		2	2		1	53	January
February	2	6	4	5	1	6	4	6	3	5	2	3	2	3	2	5	1	3	2	2	5	1	2	75	February
March	7	3	9	4	4	11	3	2	4	3	3	2	23	5	1	3	3	2	5	1	3	3	1	105	March
April	5	13	6	6	3	4	5	2	6	7	3	2	2	1	4	2	3	3	3	1	4	2	2	89	April
May	9	4	7	3	5	6	1	1	3	2	2	2	3	6	2	5	4	1	1	1	2	1	1	72	May
June	9	5	7	6	2	6	4	3	7	5	3		7	1	2	2	3	2	1	8	2	2		87	June
July	9	7	8	7	5	8	4	9	5	1	2	4	6	6	5	1	5	1	2	3	1	3	3	105	July
August	7	7	4	6	6	6	3	8	2	4	5	1	5	4	2	6	7		3	3	2			91	August
September	5	4	5	13	3	10	6	5	5	3	1	2	2	2	2	1	6	5	5	2	1	3	3	94	September
October	6	7	9	6	7	4	2	3	3	3	4	5	4	2	2	1	4	7	2	2	2	5	3	93	October
November	9	7	2	9	12	9	5	6	3	3	4	2	4	4	3	2	4	4	5	3	4		1	105	November
December	10	9	7	9	5	8	5	3	2	5	3	2	1	5	6		3	3	1	3	1		2	93	December
total	85	76	69	78	56	81	44	48	44	43	34	32	60	41	34	29	45	34	30	31	29	20	19	1,062	total

Prefecture of fatal accidents in wooden house construction work in 1999-2021

Prefecture	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Prefecture
Hokkaido	2	5	6	5	3	5	2	4	1	3	2		1	3	1		4	3	2	1	1	1	1	56	Hokkaido
Aomori	3	3	2		2	1	1			4	1	1		2	1						2		1	24	Aomori
Iwate	1		2		1	2	1	2	1	1			2	1	1	2	2	1	1	1	1			23	Iwate
Miyagi	1	5	2	2	2	1	2	1		1			23	4	2	1	2				2			51	Miyagi
Akita	4	2	1	1	1	1			2	1		2			1	2	5	2	1	3			3	32	Akita
Yamagata		1	1	2	1	1		2					1	1	1		1			1		1		14	Yamagata

Fukushima	4	2	2	4			2		1	1			3	1	1	1	3	2	1		1			29	Fukushima
Ibaraki	2	3	3	2	2	4	1	2	3	1			2	2	2		1	2			2			34	Ibaraki
Tochigi	2	1	2	1	1	3				2		1					3						1	17	Tochigi
Gunma	3	2	1	5	1	1		1				2		1		2				1			1	21	Gunma
Saitama	1	2	3	2	4	5	3	1	1	1	2	3		2	2	2			1	3		1	1	40	Saitama
Chiba	4	2	3	6	4	4	2	4	1	2	2	2	1	2	2	3	1	1	1		1			48	Chiba
Tokyo	6	2	1	3	7	8	5	4	6	3	4	2	4	2	1	1	1	3	1	2	1		1	68	Tokyo
Kanagawa	1	7	2	2	3	4	3		5	3		2	2	2	1	2	2	1		3	2		2	49	Kanagawa
Niigata	6	1	1	1	2	5	3	2	3	2	1	2	2	4	1	2	1	2	1	2	1	2		47	Niigata
Toyama	1			2				1				1	2	1			1				1			10	Toyama
Ishikawa		3		2	1	1				1	1		1	1		2	1		1				1	16	Ishikawa
Fukui						1	2								1									4	Fukui
Yamanashi				1		1						1												3	Yamanashi
Nagano			1	3		1	1			1	2	1	2	1	3		1	1						18	Nagano
Gifu		2	3	2		2		2	1		1		1		1				2					17	Gifu
Shizuoka	3	4	2		1	2		4	3	2	2		1	1	1	2	2		2	1	1		1	35	Shizuoka
Aichi	3	3	4	4	2	2	2		1	2	2	1	1		1	2		2	1	1		1	1	36	Aichi
Mie	3	1	1			1	1		1			1	1		1		2	1						14	Mie
Shiga	1		1	2				1					2				1					1		9	Shiga
Kyoto	1	2	1		1		3		2	2			1				1				1			15	Kyoto
Osaka	1	3	2	4	2				2		1			1	1		3		2		5	3	1	31	Osaka
Hyogo	7	6	5	2	5	4		1	1	1	2	3	1	3	2				2	4	3	1		53	Hyogo
Nara			2		1					1	1	2		1		1	2						1	12	Nara
Wakayama		2	1	2		3			1	1								1			1			12	Wakayama

Tottori		1		1								1	1								2	1	7	Tottori	
Shimane	2				1			5	1	1	1				1		1						13	Shimane	
Okayama	2	3	4	2		1	1	1			3				1						1	1	20	Okayama	
Hiroshima		2	1	2	1	3	1	2	1	1					1					1	1		17	Hiroshima	
Yamaguchi	1	1							1	2		1		1	1	1	1	3	1				14	Yamaguchi	
Tokushima	1		1	2	1	1					1								1				8	Tokushima	
Kagawa	2		1	2		1	2	2	1					1			1	1					14	Kagawa	
Ehime	2	1		1		3	1	1	1			1		1			1			1	1		15	Ehime	
Kochi	1		1		1					1	1						1	1					7	Kochi	
Fukuoka	2		1	3	1	4	1	1	2	2		2	2	1	2			2	1	1		1	1	30	Fukuoka
Saga	1											1							1	1		1		5	Saga
Nagasaki	1	2		2	2	2	2			1	1		1				2			1		1		18	Nagasaki
Kumamoto	2	1	2			1	1	1			1		1	1			1	3	4	3		2		24	Kumamoto
Oita	1	1	1			1	1			1						1								7	Oita
Miyazaki	2		1	3	2														1		1	1		11	Miyazaki
Kagoshima	5		1			1		2						1	1		1	1						13	Kagoshima
Okinawa											1													1	Okinawa
total	85	76	69	78	56	81	44	48	44	43	34	32	60	41	34	29	45	34	30	31	29	20	19	1,062	total

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