

other equipment	119	117	119	99	112	72	78	72	57	68	56	56	63	50	40	31	36	44	27	33	26	34	33	34	1,476
temporary buildings, establishments	61	60	41	38	52	49	35	56	40	33	27	37	39	28	19	31	29	33	23	39	25	25	37	25	882
substance, material	186	150	134	137	99	121	132	112	118	82	72	90	86	70	88	70	60	70	41	64	47	56	46	70	2,201
load	10	4	2	7	5	4	4	4	3	4	3	5	3	6	6	4	2	3	1	8	2	2	1	2	95
environment	910	888	854	766	794	781	683	670	661	670	679	734	672	597	548	538	558	532	475	450	447	421	423	366	15,117
others	29	33	30	21	17	21	16	13	21	23	23	12	21	14	22	14	12	21	17	18	12	18	22	17	467
total	1,974	1,869	1,700	1,589	1,641	1,590	1,449	1,405	1,416	1,398	1,309	1,395	1,340	1,179	1,088	1,046	1,054	1,049	857	898	816	824	827	767	30,480

Causal agents (middle) of fatal and non-fatal accidents in lumbering 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		1		1								6
power transmission mechanism	1	1	1						1		1		1					2							8
woodworking machine	397	392	324	315	351	347	323	299	344	340	297	308	305	251	221	223	214	186	152	142	144	130	136	107	6,248
construction machine	37	14	22	19	25	26	23	23	14	20	22	16	26	22	26	16	7	12	8	12	10	9	13	7	429
metal manufacturing	6			1	1		1	1	1	1		1				1				1		1			16

machine																									
general machine	57	55	57	64	65	48	43	44	49	45	37	41	45	35	31	35	22	28	25	26	26	27	30	26	961
mobile silviculture machine																	54	62	43	47	42	64	46	76	434
crane	75	75	69	50	52	47	57	49	35	49	32	51	26	36	31	30	23	20	16	16	10	13	14	13	889
conveying machine	75	69	45	58	55	61	50	58	64	53	51	35	46	58	48	50	28	33	27	36	19	14	16	17	1,066
vehicle	10	10	2	14	13	13	4	4	8	9	9	9	6	12	7	3	8	3	2	6	6	10	10	7	185
pressure vessel																	1	1							2
chemical facilities																									
welding equipment																									
kiln, caldron																						1			1
electric equipment	1				1		1	1		1								1							6
human power machine, tools	81	78	72	51	69	46	39	30	29	30	29	30	39	26	18	11	15	19	12	13	9	14	14	16	790
tools	36	37	42	48	42	25	37	40	24	33	26	24	24	24	21	19	19	21	15	18	16	19	18	17	645
other equipments, facilities	1	2	5			1	1	1	4	4	1	2			1	1	1	2		2	1		1	1	32
temporary buildings, establishments	61	60	41	38	52	49	35	56	40	33	27	37	39	28	19	31	29	33	23	39	25	25	37	25	882
hazards, harmful	2	1	1	1	2		2		2	2	1	1		2			1	2	1				2	2	25

30-39	157	178	148	140	194	199	184	181	181	222	194	215	210	218	187	180	195	197	155	174	147	140	140	129	4,265
40-49	246	214	222	201	204	199	204	177	187	194	182	198	222	196	198	164	195	189	175	171	175	161	177	177	4,628
50-59	434	409	379	310	392	386	365	353	384	330	307	340	314	260	240	225	212	202	170	155	143	160	155	129	6,754
60 years old or more	976	924	797	773	700	630	554	541	520	491	478	462	431	375	344	370	322	347	268	281	253	270	250	228	11,585
total	1,974	1,869	1,700	1,589	1,641	1,590	1,449	1,405	1,416	1,398	1,309	1,395	1,340	1,179	1,088	1,046	1,054	1,049	857	898	816	824	827	767	30,480

Workers' number of workplace of fatal and non-fatal accidents in lumbering in 1999-2022

Workers scale	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
9 workers or less	1,166	1,101	1,006	897	929	902	830	821	831	826	750	751	717	618	595	577	528	530	469	469	439	419	407	398	16,976
10-29	411	390	329	354	380	361	314	272	298	295	292	334	333	314	288	283	298	315	245	243	221	242	258	243	7,313
30-49	209	179	180	183	175	183	161	161	143	153	148	170	154	113	101	103	132	104	80	108	95	101	90	69	3,295
50-99	140	153	131	127	118	120	114	123	112	97	106	115	112	111	89	61	76	74	39	53	47	48	57	33	2,256
100-299	48	46	54	28	39	24	30	27	32	27	13	25	24	23	15	21	20	25	24	25	14	14	15	24	637
300 workers or more								1								1		1							3
total	1,974	1,869	1,700	1,589	1,641	1,590	1,449	1,405	1,416	1,398	1,309	1,395	1,340	1,179	1,088	1,046	1,054	1,049	857	898	816	824	827	767	30,480

Month of fatal and non-fatal accidents in lumbering 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	154	138	114	105	123	113	121	93	128	110	80	83	111	122	89	98	82	70	69	86	72	53	52	58	2,324

February	151	156	141	139	138	154	104	111	114	111	134	104	118	100	94	80	82	94	74	72	62	78	83	84	2,578
March	163	187	161	154	144	154	133	132	129	119	115	129	121	123	114	75	92	115	77	78	65	69	80	70	2,799
April	182	148	121	117	115	98	122	103	103	123	100	110	104	78	94	109	78	77	62	82	69	69	65	62	2,391
May	168	162	149	119	128	123	117	88	92	114	109	104	107	81	74	67	94	79	60	69	75	60	59	52	2,350
June	147	133	143	143	103	120	119	105	115	119	98	124	102	79	77	92	75	83	64	71	71	66	66	58	2,373
July	166	161	142	135	142	115	131	116	95	126	97	119	96	106	87	99	80	92	61	72	64	64	75	60	2,501
August	151	175	141	112	124	117	114	101	114	94	113	115	106	99	87	69	78	79	72	70	56	75	59	58	2,379
September	162	145	143	135	159	149	123	132	107	132	120	141	110	103	91	89	96	84	71	80	91	74	61	56	2,654
October	189	165	173	164	197	135	130	157	141	122	117	125	126	112	96	99	106	98	70	61	74	67	94	76	2,894
November	179	150	148	152	116	165	147	136	154	111	136	127	119	88	107	80	104	102	87	82	63	79	68	73	2,773
December	162	149	124	114	152	147	88	131	124	117	90	114	120	88	78	89	87	76	90	75	54	70	65	60	2,464
total	1,974	1,869	1,700	1,589	1,641	1,590	1,449	1,405	1,416	1,398	1,309	1,395	1,340	1,179	1,088	1,046	1,054	1,049	857	898	816	824	827	767	30,480

Prefecture of fatal and non-fatal accidents in lumbering 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	169	114	118		134		136	124	109	72	91	96	70	70	64	74	71	85	55	44	52	41	54	51	1,894
Aomori	41	32	21		15		16	10	14	13	18	14	20	19	21	20	14	15	14	13	24	14	13	8	389
Iwate	61	53	61		57		45	47	67	43	51	64	62	57	51	59	44	56	46	32	32	30	36	32	1,086
Miyagi	32	22	28		20		27	31	34	28	28	23	28	33	22	25	18	25	18	26	19	24	29	22	562
Akita	42	41	47		41		28	38	29	35	35	49	46	31	31	26	38	36	29	38	38	36	31	26	791
Yamagata	27	22	18		22		17	12	14	19	13	17	11	14	13	17	17	15	5	6	10	5	9	7	310
Fukushima	36	34	35		38		23	28	28	40	27	45	33	20	24	22	15	29	21	26	19	17	23	18	601

Ibaraki	10	8	8		6		5	4	5	9	4	13	6	10	7	11	2	5	7	6	3	10	6	1	146
Tochigi	23	22	21		26		23	24	19	25	22	10	14	13	9	20	21	19	10	15	4	12	16	20	388
Gunma	37	28	26		33		19	24	28	25	17	42	24	20	17	18	23	22	21	16	15	17	20	18	510
Saitama	7	9	6		11		5	2	7	9	9	3	10	5	3	9	4	2	4	6	4	7	3	4	129
Chiba	9	9	7		8		2	5	7	6	3	7	3	10	7	1	5	9	3	4	1	4	6	4	120
Tokyo	3	6	6		2		2	6	7	1	1	2	1	2	6	4	2	1	4	2		3	4	7	72
Kanagawa	8	8	7		2		4	5	4	5		4	6	1	6		4	4	3	5	6	6	4	4	96
Niigata	43	32	20		17		12	16	14	20	18	12	16	8	11	3	9	8	6	6	5	4	7	11	298
Toyama	5	2	8		6		5	7	5	7	9	7	11	5	6	3	1	8	6	5	3	4	5	5	123
Ishikawa	9	16	15		12		4	6	5	5		4	2	6	1	3	1	5	8	5	5	6	9	5	132
Fukui	16	22	13		9		14	12	26	25	15	26	14	15	18	15	8	16	9	8	8	13	8	7	317
Yamanashi	9	13	7		11		9	12	13	12	12	4	9	16	11	7	10	11	7	8	9	8	10	8	216
Nagano	48	50	30		49		33	44	24	38	40	43	29	22	34	27	30	18	20	20	15	28	28	19	689
Gifu	92	93	85		64		64	85	71	76	31	49	48	25	46	48	36	38	36	52	33	29	26	36	1,163
Shizuoka	59	68	78		69		64	49	57	63	55	62	73	44	43	31	41	33	28	49	22	31	42	33	1,094
Aichi	33	25	16		12		13	13	11	11	11	16	17	8	11	13	11	8	14	8	5	14	6	10	286
Mie	87	68	90		58		60	54	47	57	54	77	46	46	32	28	24	39	26	25	21	23	22	17	1,001
Shiga	4	18	10		18		4	7	5	9	7	5	7	2	1	4	3	1	4	3	2	1	2	3	120
Kyoto	41	36	46		47		38	44	38	33	23	29	34	43	21	21	24	24	15	19	20	15	13	12	636
Osaka	11	2	3		2		3	4	3	8	3	2	3	1	5	4	3	4	3		1			1	66
Hyogo	34	28	47		43		35	42	36	26	40	22	22	14	16	18	21	19	18	16	15	15	12	6	545
Nara	120	84	70		62		41	51	46	32	53	52	52	49	37	37	31	30	25	25	28	31	18	18	992

Wakayama	94	101	77		70		62	47	48	59	75	72	59	45	40	42	39	43	41	44	36	24	15	11	1,144	
Tottori	27	18	14		19		18	12	6	15	16	10	21	17	15	12	20	13	8	17	9	10	11	9	317	
Shimane	23	38	30		25		24	26	26	18	28	17	23	28	25	25	22	26	17	13	17	15	18	14	498	
Okayama	29	65	74		61		68	54	57	58	22	15	48	37	32	20	43	35	23	27	26	27	32	24	877	
Hiroshima	82	69	52		40		49	31	34	26	30	16	34	14	22	16	29	10	13	14	10	13	19	17	640	
Yamaguchi	18	35	22		19		13	24	18	12	23	29	15	29	12	20	10	12	8	6	8	11	9	9	362	
Tokushima	45	64	40		29		28	27	26	23	39	38	31	32	23	17	23	26	15	25	7	15	13	22	608	
Kagawa	9	7	10		2		2	1		3		2	2			3	2			2			1		46	
Ehime	52	58	69		83		67	35	49	48	48	13	10	22	24	31	26	18	16	16	20	12	8	15	740	
Kochi	142	115	84		130		100	88	98	97	68	104	96	77	54	64	66	69	56	45	52	59	50	50	1,764	
Fukuoka	39	27	36		20		29	29	22	21	18	22	24	28	29	22	22	19	21	12	16	20	19	14	509	
Saga	15	8	10		16		8	11	15	19	22	22	15	11	17	17	16	12	9	10	11	10	6	8	288	
Nagasaki	3	13	15		4		6	4	9	8	5	13	9	12	9	7	7	1	7		4	2	2	7	147	
Kumamoto	67	69	49		63		50	42	54	59	49	42	49	60	40	39	48	36	28	36	39	31	24	16	990	
Oita	46	52	42		35		50	52	53	47	59	37	47	37	47	45	33	47	50	45	27	26	30	28	935	
Miyazaki	114	108	80		88		68	75	72	96	57	87	91	77	87	62	75	55	51	57	72	56	63	72	1,663	
Kagoshima	53	57	47		43		56	41	51	37	60	57	49	44	38	34	41	42	29	41	43	44	45	38	990	
Okinawa			2						5							2	1						1			11
total	1,974	1,869	1,700	1,589	1,641	1,590	1,449	1,405	1,416	1,398	1,309	1,395	1,340	1,179	1,088	1,046	1,054	1,049	857	898	816	824	827	767	30,480	

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.

high/cold temperature environment								1						1				1						3	
other environments			1			1	2	1		1				1						1		1		9	
other causal agent																									
no causal agent																									
unclassifiable	1				1								1				1					1		5	
total	55	44	34	38	42	30	33	43	45	30	28	39	29	22	27	32	30	30	33	27	24	26	21	26	788

Workers age of fatal accidents in lumbering in 1999-2022

Age	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
19 years old or less	1						1					1				1									4
20-29	1	1			1	1	1		1	2			1			3	3	1		1	5		3	1	26
30-39	2	1	1		1	2		3	4	3	3		2		2	6	4	4	4		3	2	3	5	55
40-49	8	3	7	2	7	2	3	5	3	1	3	2	4		1	4	3	3	6	3	4	2	3		79
50-59	12	10	5	12	4	10	6	13	20	3	7	13	10	6	10	7	8	8	4	3	4	4	1	7	187
60 years old or more	31	29	21	24	29	15	22	22	17	21	15	23	12	16	14	11	12	14	19	20	8	18	11	13	437
total	55	44	34	38	42	30	33	43	45	30	28	39	29	22	27	32	30	30	33	27	24	26	21	26	788

Workers' number of workplace of fatal accidents in lumbering 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	38	21	21	23	29	20	20	28	26	16	14	24	18	15	17	15	16	18	20	15	12	19	12	17	474

10-29	13	13	7	11	12	9	8	9	14	10	6	9	9	6	4	8	9	8	10	8	9	6	4	4	206
30-49	3	5	5	3	1	1	1	3	3	1	5	4			5	3	3	2	1	3	3		1	3	59
50-99	1	5		1			2	1	2	1	2	1	2	1	1	5	1	2	2	1		1	4	1	37
100-299			1				2	2		2	1	1				1	1							1	12
300 workers or more																									
total	55	44	34	38	42	30	33	43	45	30	28	39	29	22	27	32	30	30	33	27	24	26	21	26	788

Month of fatal accidents in lumbering 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	3	4	7	3	1		5	6	1	1	4		2	1	7	5	2	1	4	5		2		2	66
February	4	5		5	7	3	7	2	2	2	6	4	3	2	1	3	4	1	1	3	3	4	5	5	82
March	7	2		2	5	4		5	4	5	2	4	6	3	3	1		5	4	2	1	3	1	1	70
April	4	5	6	2	2	1	5	2	5	3		4	2	2	1	3	2	1	4		6	4	2	2	68
May	5	3	2	1	1	2	3	2	9	1	1	6	1	1	1	1		2		1	3	2	1	3	52
June	4	3	2	1	4	1	2	4	2	3	2	2		3	2	5	1	3	3	1		2	2	2	54
July	2	6	3	2	7	2		6	5	1	3	4	4	1		3	2	1	4	2	3	1	4	1	67
August	5	3	1	7	2	2	3	3	3	3	1	2	2	3	1		2	1	2	3	1		1	2	52
September	5	4	3	1	5	3	3	3	2	3	2		1	2	1	3	7	2	3	4	4	3	1	3	68
October	3	5	4	7	4	5	3	5	2	4	1	6	2	2	3	2	3	3	3	2	1	1	2	3	76
November	7	3	4	3	3	2	1	2	4	4	3	5	3		4	5	5	5	4	3		2	1	1	74
December	6	1	2	4	1	5	1	3	6	2	2	2	3	2	3	1	2	5	1	1	2	2	1	1	59

total	55	44	34	38	42	30	33	43	45	30	28	39	29	22	27	32	30	30	33	27	24	26	21	26	788
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Prefecture of fatal accidents in lumbering 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	4	3	6	6	6	4	9	3	5	5	1	10	2	3	1	4	1	4	3	6	3	1	1	1	92
Aomori	2	1	1	1		2	1	2	1			1	1						3		1	1	2		20
Iwate	4	1	3	1	1	2		4	3	2	4	4	5	1	2		3	3	4	2		2	4	3	58
Miyagi	1	2				1			1				1			1		1		1	1	2			12
Akita	2	3		7	4		2	2	3	1	1			2	3		3	1	1	3		3	1	2	44
Yamagata								2						1			3			1	1			1	9
Fukushima	2	1	2			2	1	1			1	1		1	2	2		1		1	1	1			20
Ibaraki				2			1	1				1							1						6
Tochigi	2			3	3					1	1						2								12
Gunma			1	1		1	1		1			2								1		1		1	10
Saitama		1		1										1	1				1	1		1			7
Chiba				1		1			1																3
Tokyo	1				1				1							1		1						1	6
Kanagawa																									
Niigata		2									1		2	1				1			2				9
Toyama	1				1					1												1			4
Ishikawa		1	1	1								1											1		5
Fukui	1	1							1	2	1		1	1	1				1	2					12

Yamanashi				1			1	1						1			2	1					1	8	
Nagano	3	4	1		1	2		2		2	1	1	1		1	1		1	1	1		1		1	25
Gifu	1	1	1		2	1						2					2		3		1	1			15
Shizuoka	2	1	4	1	2	1	2	2	2						1					1	1	1	1		22
Aichi			1				1			1			1		1		1	1	1						8
Mie	3	1	2	1	2	1	1	2	1	3	1				1			3	1	1	1				25
Shiga		1											1												2
Kyoto	1				1			1	1			1			1	1		1					1		9
Osaka							1																		1
Hyogo	1	1	1	1				1	1	1		1	1		1	1									11
Nara	5		1	1	2	1		2	4	1	1	1	1				1		1	1		1		1	25
Wakayama	2	1	1	1	1	1		2	1		1	1				2		1				1	1	1	18
Tottori		1				1		1					2			1	2					1			9
Shimane	1	1		1	2			1	1		1	1	1			1			1		1				13
Okayama	1	2	3	1		1	2	1	1	1				1			1	1		1	1			1	19
Hiroshima	3					1	2								1										7
Yamaguchi		2					1	2									1					1			7
Tokushima		1				1		1	1		2	3	2			1			1						13
Kagawa																									
Ehime		1	1	1	2	1		1	1		2			1					1						12
Kochi	3		1	1	3	2		1	4		2	1	1	1	1	4			2	1		1	1	1	31
Fukuoka						1	1		1			1		1		2			1			1		1	10

Saga								1		1	2	1				1									6
Nagasaki			1		1								1												3
Kumamoto	4	2	1		1	1			2	1	1	1	2	2	1	3	1	1			2		3	2	31
Oita	2	2		1	1		2	3	1	2			1	2			1	1		1	2	1		2	25
Miyazaki	2	2	1	2	4		3	2	4	3	3	4	1		6	4	3	3	5	1	5	1	2	4	65
Kagoshima	1	4		1	1	1	1	1	2	2	1		1	2	3	1	3	4	1	1	1	2	3	2	39
Okinawa																									
total	55	44	34	38	42	30	33	43	45	30	28	39	29	22	27	32	30	30	33	27	24	26	21	26	788

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

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