

general machine	13	10	14	12	19	21	21	20	18	13	17	9	15	13	13	17	12	14	14	14	22	21	19	16	377
mobile silviculture machine																		1		1					2
crane	79	95	77	77	63	69	51	48	53	59	34	35	40	41	31	40	36	31	38	19	38	28	37	35	1,154
conveying machine	426	471	487	483	493	494	494	518	468	476	325	375	375	354	389	378	348	376	419	428	412	424	419	442	10,274
vehicle	50	50	49	59	49	50	55	51	89	63	58	63	34	41	47	49	34	30	45	58	60	55	54	44	1,237
pressure vessel	2	1	4		1			1	1		2					1				1	1		1		16
chemical facilities					2		1			1															4
welding equipment			1	3	1		1			1				1		1					3				12
kiln, caldron			1		1	1		1	1			1							1	1					8
electric equipment		2	1	1			2	1	1	1	1	1	1	2		2		1	1	2		1	2	5	28
human power machine, tools	62	80	81	68	67	81	76	97	91	119	112	106	99	120	104	128	125	126	177	186	178	234	254	261	3,032
tools	161	110	165	131	163	142	163	149	154	151	99	116	150	135	147	169	154	177	169	164	206	198	232	201	3,806
other equipments, facilities	22	19	30	22	24	15	33	32	20	29	31	23	22	31	34	22	31	39	38	44	38	59	54	43	755
temporary buildings, establishments	186	209	218	224	234	192	254	233	227	250	220	256	262	246	212	261	276	275	315	347	373	347	411	368	6,396
hazards, harmful substances	8	2	6	3	5	3	4	5	7	6	1		3	3	14	7	3	2	1	3	2	2	6	3	99
materials	158	129	123	121	129	119	118	102	117	101	71	67	73	60	77	82	68	80	86	53	96	58	70	68	2,226

forging pressure hammer																									
shearing machine							1							1						1	2			5	
other metal manufacturing machines			1		1		3	4	5	2	2	1		1			1	1	3				1	26	
centrifugal machine																									
mixer, grinder			1		1		1		1	2	1			1		1			1					10	
roll machine (except printingroll machine)			1				1						1		1					2	1			7	
injection molding machine																									
food manufacturing machine					1		3	2	1		2		2		1	3	2	1					1	19	
printing machine					1																1		1	3	
industrial robot			1		1		1					1					1			1				6	
other general power machines			11		15		15	18	16	11	14	9	11	13	11	13	9	13	13	13	20	18	19	14	276
felling machine																									
mobile logging machine																									
skyline yarding machine																	1							1	

conveying machines			22		15		21	29	16	28	14	16	21	13	15	19	10	8	13	19	15	13	12	10	329
cars, bus, motorcycle			26		29		34	27	63	40	34	41	16	24	31	33	17	22	26	38	39	40	27	31	638
railway vehicle			1		1		1				1	1		1				1	1		1		2		11
other vehicles			22		19		20	24	26	23	23	21	18	16	16	16	17	7	18	20	20	15	25	13	379
boiler																									
pressure vessel			1																		1				2
other pressure vessels			3		1			1	1		2					1				1			1		11
chemical facilities					2		1			1															4
gas welding equipment			1		1		1			1				1											6
arc welding equipment																1									3
other welding equipment																									
kiln, caldron			1		1			1	1																4
industrial dryer																					1				1
other kiln, caldron												1								1					2
transmission			1							1		1	2		2				1	1		1	1	4	15
electric power facilities							1					1											1		3
other electrical							1	1	1	1								1		1				1	7

establishment			28		36		45	38	42	41	31	37	34	39	32	32	43	29	38	44	43	34	42	37	745
other temporary buildings, establishments			33		26		36	28	29	30	22	29	22	27	20	28	28	24	27	20	39	43	39	40	590
explosive substance			1					2												1					4
inflammable substance			1		1			1			1				1	2	1	1							9
inflammable gas					1		1					1											1	1	5
harmful substance			3		3			2	6	4			1	1	12	1			1	1	1	1		1	38
radiation																									
other hazards, harmful substances			1				3		1	2			1	2	1	4	2	1		1	1	1	5	1	27
metal material			72		72		66	61	71	60	37	42	46	32	39	45	38	45	43	35	57	29	36	43	969
lumber, bamboo			34		41		38	25	29	25	19	18	14	17	23	15	13	19	26	14	17	15	15	15	432
stone, sand, substance			2		3		2	3	1	3	2		1		1	4			1	3	4		1		31
other materials			15		13		12	13	16	13	13	7	12	11	14	18	17	16	16	1	18	14	18	10	267
load			278		234		236	247	236	236	236	217	213	218	212	189	237	217	259	273	294	345	376	348	5,101
machine/equipment as load			8		8		9	10	11	11	11	9	6	12	9	8	8	5	6	6	7	6	3	13	166
natural ground, rock					2		2	2	1	1	1		2	1		1		1	1	1	1	2	1	1	21
standing tree			1						1		1				1					1	1	1	1		8

water					1		1						12	1	1			2	2	2	1	2	1	1	27
abnormal environment			1				1	1	1		1	1	1	2			1	1		1					12
high/cold temperature environment			3		5		1	4	4	9	1	12	6	11	9	14	7	26	18	25	23	23	14	20	235
other environments			12		7		8	7	5	11	4	8	14	12	11	15	9	6	12	22	11	11	17	22	224
other causal agent			21		9		11	11	12	13	7	8	16	13	13	11	16	13	18	11	21	23	102	29	378
no causal agent			42		60		56	51	60	45	43	53	63	62	49	67	61	73	82	90	122	132	142	164	1,517
unclassifiable			2		3		1	3	3	1	3	2	2	5	3	5	2	2	3	1	9	3	2	1	56
total	1,544	1,531	1,656	1,543	1,606	1,566	1,628	1,629	1,606	1,628	1,302	1,386	1,435	1,407	1,392	1,486	1,449	1,516	1,729	1,772	1,937	1,992	2,245	2,102	39,087

Workers age of fatal and non-fatal accidents in cargo handling service 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	29	32	36	21	34	35	33	29	38	29	20	22	21	25	26	26	26	43	34	29	40	37	39	44	748
20-29	336	328	327	296	344	298	292	292	254	285	203	193	205	207	175	188	203	196	227	244	241	250	320	294	6,198
30-39	321	332	364	374	403	383	422	410	438	409	311	315	341	305	316	314	281	270	302	296	341	300	356	325	8,229
40-49	278	292	304	298	283	294	327	303	353	363	311	355	380	389	395	442	422	432	493	471	506	507	582	462	9,242
50-59	464	427	486	426	429	392	388	446	367	358	281	325	285	297	318	310	326	354	430	481	500	579	619	606	9,894
60 years old or more	116	120	139	128	113	164	166	149	156	184	176	176	203	184	162	206	191	221	243	251	309	319	329	371	4,776
total	1,544	1,531	1,656	1,543	1,606	1,566	1,628	1,629	1,606	1,628	1,302	1,386	1,435	1,407	1,392	1,486	1,449	1,516	1,729	1,772	1,937	1,992	2,245	2,102	39,087

Workers' number of workplace of fatal and non-fatal accidents in cargo handling service 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	239	258	278	259	233	294	253	274	237	224	135	159	154	151	144	165	121	150	168	164	160	127	145	132	4,624
10-29	400	395	452	442	498	444	458	439	445	436	314	373	339	361	344	319	346	390	386	334	383	357	370	410	9,435
30-49	259	246	296	255	301	269	263	261	281	295	221	242	258	235	214	258	213	257	305	325	347	305	319	309	6,534
50-99	287	286	279	261	287	256	282	268	265	262	258	244	272	220	242	259	277	253	310	336	351	378	429	362	6,924
100-299	280	270	288	248	223	232	285	263	277	299	245	250	296	302	315	357	357	341	387	397	463	471	574	535	7,955
300 workers or more	79	76	63	78	64	71	87	124	101	112	129	118	116	138	133	128	135	125	173	216	233	354	408	354	3,615
total	1,544	1,531	1,656	1,543	1,606	1,566	1,628	1,629	1,606	1,628	1,302	1,386	1,435	1,407	1,392	1,486	1,449	1,516	1,729	1,772	1,937	1,992	2,245	2,102	39,087

Month of fatal and non-fatal accidents in cargo handling service 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	126	116	142	116	105	130	101	129	124	136	106	103	108	109	103	120	120	103	137	158	149	178	171	196	3,086
February	133	125	140	131	100	130	113	120	122	162	92	131	109	114	107	126	104	118	125	111	146	126	150	153	2,988
March	135	152	153	119	150	148	133	143	156	149	122	127	159	127	126	119	129	144	161	142	151	157	208	177	3,487
April	117	121	140	148	147	146	135	122	131	154	123	119	102	96	124	123	126	140	116	123	149	168	182	169	3,221
May	120	118	141	139	137	121	132	139	149	150	105	119	113	128	116	126	135	96	153	132	147	164	186	159	3,225
June	106	118	144	104	139	157	168	128	126	145	100	107	131	131	100	120	141	126	135	134	166	189	182	177	3,274
July	148	118	155	159	134	143	140	123	130	146	127	107	123	126	123	135	122	140	144	181	198	172	217	204	3,515
August	124	129	133	119	134	95	142	153	135	113	93	126	99	127	133	111	124	135	146	145	164	174	216	180	3,250

September	124	127	126	130	142	122	132	141	147	103	97	105	128	102	138	135	119	127	167	180	177	172	223	176	3,340
October	135	132	153	136	138	134	143	146	147	143	121	104	119	118	109	122	123	143	171	165	164	165	166	180	3,377
November	135	121	118	132	133	123	148	147	112	119	91	128	123	110	104	117	99	124	125	145	153	160	170	151	3,088
December	141	154	111	110	147	117	141	138	127	108	125	110	121	119	109	132	107	120	149	156	173	167	174	180	3,236
total	1,544	1,531	1,656	1,543	1,606	1,566	1,628	1,629	1,606	1,628	1,302	1,386	1,435	1,407	1,392	1,486	1,449	1,516	1,729	1,772	1,937	1,992	2,245	2,102	39,087

Prefecture of fatal and non-fatal accidents in cargo handling service 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	68	72	61		62		63	78	64	92	61	54	83	72	60	57	55	55	67	57	63	72	82	66	1,464
Aomori	11	6	6		5		8	7	11	7	5	12	1	4	2	3	4	4	3	3	4	4	3	4	117
Iwate	5	3	5		3		4	1	1		1	2	5		2	2	2	1	5	1	1		3	3	50
Miyagi	10	9	22		34		21	22	9	28	22	29	30	23	7	18	15	13	18	29	21	16	50	23	469
Akita	4	3	3		2		5			3	1	3	1		2	1	3	1	1		1	1	1	2	38
Yamagata		1	3		2		1		2	4	1			4	2	1	1			1		1	4	1	29
Fukushima	17	6	12		12		13	11	10	12	3	9	10	17	14	11	16	10	11	14	15	9	13	19	264
Ibaraki	25	21	24		31		38	38	33	32	31	34	37	33	31	38	28	26	35	39	44	44	55	51	768
Tochigi	3	9	8		22		10	14	12	18	33	49	19	19	11	12	18	14	18	18	19	21	28	26	401
Gunma	15	14	8		25		14	21	12	11	5	11	12	15	21	14	19	27	23	15	17	17	24	18	358
Saitama	56	76	76		95		120	155	145	126	112	120	140	115	120	135	121	116	136	121	169	199	167	190	2,810
Chiba	118	89	118		85		115	141	159	126	110	122	122	130	150	160	142	177	210	199	201	208	235	255	3,372
Tokyo	142	124	158		111		121	101	94	132	114	102	99	105	126	110	100	112	148	145	163	146	163	162	2,778
Kanagawa	171	161	165		165		186	166	170	199	151	162	169	173	163	157	201	191	232	231	268	301	369	306	4,457

Niigata	5	13	6		7		6	7	10	7	4	4	4	2	10	17	10	9	5	14	9	9	7	8	173
Toyama	3	5	5		10		4	4	8	2	2	8	5	11	3	5	4	1	5	4	5	3	3	11	111
Ishikawa	2	6	7		8		2	3	3	5	1	3	2	6	4	4	5	4	9	10	6	9	5	6	110
Fukui	6	2	8		3		5	3	3	3	2	1	3	5	3	4	3	4	6	2	3	2	7	2	80
Yamanashi	1				3		2		3	3					1	1	1	1	1	1	2	1	1	3	25
Nagano	2	5	6		4		1	3	6	3	6	3	2		1	1	5	4	5	3	5	2	4	3	74
Gifu	6	10	12		11		9	19	20	22	12	12	9	7	6	14	11	9	11	19	13	7	16	13	268
Shizuoka	29	30	47		33		41	34	39	41	14	20	31	30	17	33	31	29	35	42	46	48	25	37	732
Aichi	127	163	134		142		137	133	148	144	92	122	138	154	129	156	142	117	142	165	194	184	158	163	3,184
Mie	17	27	24		31		27	17	41	25	21	26	26	18	13	27	29	24	18	25	23	29	32	26	546
Shiga	4	8	4		6		6	5	9	6	2	4	8	5	9	3	1	8	4	9	6	2	10	10	129
Kyoto	10	7	14		14		19	17	20	12	7	9	13	10	9	17	13	9	8	12	12	15	42	41	330
Osaka	261	259	260		267		261	229	198	221	180	172	165	172	157	159	166	179	201	207	193	222	211	195	4,535
Hyogo	123	108	140		100		109	87	92	89	75	57	59	63	94	67	62	85	93	84	84	83	111	104	1,969
Nara	5	4	2		1		4	2		4	6	3	1	1	1	4	1	4	1	9	1	2	3	4	63
Wakayama	6	6	12		3		4	1	7	2	4	1	8	3	4	3	5	5	6	5	8	8	6	6	113
Tottori	4				3			5	5		1	3	7	1		4	1	1	1	2	4	1	3		46
Shimane					1		1	1	1	2	2	1	1	2	1			1				1			15
Okayama	25	19	23		26		19	25	29	14	19	22	12	9	13	9	11	19	16	20	17	22	19	16	404
Hiroshima	45	29	37		33		33	38	41	23	38	28	27	25	34	38	29	39	26	45	41	43	33	33	758
Yamaguchi	24	14	18		12		22	22	7	10	4	11	12	17	7	14	5	16	10	8	8	12	9	4	266
Tokushima	10	3	5		12		5	8	5	4	7	3	2	2	4	4	1		3	1		3	8	5	95
Kagawa	20	20	14		10		13	22	12	18	11	13	19	12	13	16	17	19	22	16	25	15	15	17	359

Ehime	14	19	25		20		17	16	17	9	10	8	15	13	11	13	15	11	11	8	16	14	16	11	309
Kochi	16	11	21		12		3	4	2	3		4	2		4	2	2	4	3	2	3	2	3	1	104
Fukuoka	52	87	86		91		86	77	88	73	67	72	67	80	80	85	85	86	86	104	131	133	167	139	2,022
Saga	12	19	10		12		8	26	20	28	18	10	11	10	13	22	19	25	21	21	20	29	62	27	443
Nagasaki	11	13	12		8		14	8	2	13	8	7	8	8	10	11	11	9	8	14	14	9	14	15	227
Kumamoto	9	8	12		7		6	10	4	8	4	6	11	2	7	4	7	6	6	9	6	6	7	4	149
Oita	7	8	6		5		7	3	4	3	2	3	3	1	2	3	1	3	6	1	3	4	5	7	87
Miyazaki	8	7	7		19		6	12	9	16	7	5	3	4	4	5	3	6	7	7	6	8	10	15	174
Kagoshima	20	20	20		23		16	20	15	18	21	19	23	16	9	13	18	22	32	20	34	14	17	29	439
Okinawa	15	7	10		15		16	13	16	7	5	17	10	8	8	9	10	10	14	10	13	11	19	21	264
total	1,544	1,531	1,656	1,543	1,606	1,566	1,628	1,629	1,606	1,628	1,302	1,386	1,435	1,407	1,392	1,486	1,449	1,516	1,729	1,772	1,937	1,992	2,245	2,102	39,087

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 cargo handling service in Japan in 1999-2022

cargo handling service industry Code No.05

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	5	2	7	2	4	6	2	5		3	3	4	3			3	3	3	3	1	3	1	2	1	66
10-29	5	10	3	11	8	6	5	8	8	5	3	4	6	1	1	3	3	7	4	3	1	2	2	2	111
30-49	2	4	5	3	4	2	4	4	2	4	4	2	7	2	3		3	1	5	2	2	6	1	3	75
50-99	5	2	6	4	1	5	3	4	4	1	2	3	7	1	2	1	1	3	1	2	1	2	1		62
100-299	1	2	4	4		1	3	4	5	2	3	1	5	2	1	2	4	2		2	4	2	1	1	56
300 workers or more	3		1	1	1		1				1		1	3		1	1		2		2				18
total	21	20	26	25	18	20	18	25	19	15	16	14	29	9	7	10	15	16	15	10	13	13	7	7	388

Month of fatal accidents in cargo handling service 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	5	1	3	2	3	2	1	3		2		1			1	2	1	3	1	4			1	39
February		2	3	2	3	1		1				2	1	2			1	1		2	3	1			25
March	2		3	2	3	3	3	3	2	2		1	13	2	2	1		3				1		1	47
April	4	3	2	1	2	1		2	4	1	2	1	3		2	1	1	2						1	33
May			1	3		1	1	2	2		1	2	3	1			2	2	2	1			1		25
June		1	1	3	2	2	4	3			1	1	1	1		2	2		1	2	1	2	1	1	32
July	1	1	3	2	1	1		2	1	3	3		1	2		2	1	3	1	2	1			1	32
August	4	1	2	2	1			1	2	3	1	1		1	2	2		1	3		2	1			30
September	3		3	2		1	1	5	2	2	1	1	1			1			2	1		3			29
October			3	2	2	3	1	2	1	1	3		4				3	3				2	1	1	32

Fukuoka	1	3		1	2	1	1			1		1				1	2	1	1	2	1	1		1	21
Saga																			1			1			2
Nagasaki							1												1						2
Kumamoto		1	2	1															1						5
Oita							1			1								1				1			4
Miyazaki																									
Kagoshima	1				1			1		1				1		1	1		1						8
Okinawa			2	1	1																		1		5
total	21	20	26	25	18	20	18	25	19	15	16	14	29	9	7	10	15	16	15	10	13	13	7	7	388

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

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