

tools	802	788	849	818	853	831	861	943	967	995	785	781	824	823	856	891	901	887	917	968	1,058	1,048	1,107
other equipments, facilities	130	127	151	102	111	126	132	182	147	168	171	167	147	165	154	128	141	144	151	194	173	205	202
temporary buildings, establishments	1,773	1,967	2,038	1,846	1,974	2,075	2,017	2,088	2,048	2,194	1,995	2,121	2,059	2,075	2,074	2,207	2,157	2,285	2,458	2,845	2,686	2,828	3,007
hazards, harmful substances	37	41	36	32	36	25	37	36	27	48	22	20	29	22	36	24	21	18	25	19	26	43	27
materials	1,083	1,034	1,003	897	900	871	803	837	821	724	601	581	594	591	631	615	547	516	575	551	522	470	470
load	2,280	2,300	2,418	2,096	2,185	2,054	2,011	2,086	2,163	2,144	1,803	1,763	1,775	1,761	1,765	1,659	1,667	1,651	1,690	1,793	1,773	1,875	1,921
natural environment	178	195	285	199	200	220	224	254	188	250	187	286	448	299	339	382	273	326	358	556	350	385	392
other causal agent	146	167	142	97	109	129	122	114	109	112	84	65	97	92	111	93	125	96	122	121	115	243	477
no causal agent	475	453	449	491	456	507	575	593	504	481	527	592	558	542	504	542	563	550	635	689	824	857	979
unclassifiable	32	23	31	37	33	26	26	33	42	36	28	14	26	41	29	32	23	16	26	19	22	14	16
total	15,735	16,217	16,584	15,319	15,670	15,718	15,349	15,850	15,579	15,443	13,233	13,815	13,998	13,834	14,190	14,210	13,885	13,977	14,706	15,818	15,382	15,815	16,732

Causal agents (small) of industrial accidents in land cargo transportation 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
engine			2		1		0	1	1	0	0	3	0	1	3	2	3	1	2	2	3	1	4
power transmission mechanism			9		7		8	9	9	4	11	11	10	5	8	7	14	8	3	5	9	4	11

circular sawing machine			23		18		17	14	14	21	11	15	10	12	13	12	11	12	9	3	5	12	2
band sawing machine			1		1		0	2	3	2	0	0	0	1	1	1	1	0	0	0	0	0	0
wood planer machine			0		0		0	0	0	0	2	0	1	1	0	0	0	0	0	0	1	0	0
hollow chisel mortiser, wood borer			1		1		0	0	0	0	2	0	0	1	0	0	0	0	0	1	0	0	0
chamfering machine, router, woodworking milling machine			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
chain saw			4		0		3	4	3	2	3	3	4	1	3	0	2	3	1	3	1	4	1
other woodworking machines			6		4		3	6	6	6	5	4	7	8	7	7	3	7	3	4	2	2	8
leveling, transporting or loading machine			19		21		13	17	25	13	18	8	8	17	16	12	15	15	20	12	12	10	10
excavating machine			36		29		20	22	15	19	17	21	27	19	14	20	10	16	14	21	10	15	16
foundation work machine			1		2		0	0	1	1	0	2	0	0	0	0	0	0	0	0	1	1	0
hardening machine			8		8		0	3	5	2	1	1	2	2	2	1	3	3	1	0	1	0	0
demolition machine			0		2		1	0	0	1	2	2	0	1	2	1	3	4	4	1	3	0	2
vehicle for high lift work			0		2		0	1	3	4	2	4	2	1	2	3	3	6	4	4	1	6	5
other construction machines			8		13		6	15	13	9	10	7	11	9	5	8	5	7	4	8	2	8	4
lathe			0		0		0	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0
drill press, milling			2		3		2	1	1	2	0	2	0	0	0	1	0	0	2	2	1	1	2

skyline yarding machine																	0	0	0	0	0	0	0
other mobile silviculture machine																	0	1	0	0	0	0	0
crane			132		146		129	129	114	116	69	83	67	87	74	77	69	76	76	74	84	67	74
mobile crane			168		158		166	143	135	131	101	111	109	84	114	115	119	111	103	107	106	97	101
derrick crane			0		1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
elevator, lift			21		27		17	19	20	16	21	11	13	16	25	17	14	12	12	13	18	6	19
cargo lifting appliance			0		0		0	0	1	1	0	0	2	0	0	0	0	1	0	0	1	3	0
gondola			0		0		0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	2
lumberyard equipment, logging cableway			0		0		0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	2
simple skyline yarding equipment																	0	0	0	0	0	0	0
other powered crane			17		19		16	6	11	4	5	12	5	4	5	14	6	8	4	7	5	4	11
truck			6,374		6,036		5,772	5,725	5,521	5,310	4,562	4,856	4,888	4,799	5,098	5,005	4,945	4,743	4,952	5,062	4,884	4,936	5,092
forklift			985		980		978	1,041	957	869	752	760	825	762	733	739	742	771	780	874	842	789	783
railway equipment			1		2		0	0	4	0	2	1	2	5	1	2	1	0	1	0	5	1	1
conveyor			155		121		115	104	122	127	83	100	89	110	115	99	81	97	99	105	106	109	107
loader			2		5		3	3	6	4	4	6	3	5	2	4	7	4	4	3	4	2	6
straddle carrier			0		0		0	3	2	0	0	0	0	3	0	2	1	1	4	0	0	1	2
rough terrain hauler			2		0		1	2	1	0	2	1	0	0	0	0	2	0	3	1	3	1	1
other powered conveying machines			51		41		50	56	43	58	37	67	55	48	51	44	43	37	38	44	35	40	33

cars, bus, motorcycle			355		361		409	451	534	472	412	372	375	393	370	391	346	370	412	434	390	342	402
railway vehicle			2		2		1	0	3	2	3	2	1	1	3	3	1	2	1	0	1	0	3
other vehicles			13		15		21	16	16	21	12	21	13	23	13	33	20	16	11	11	12	10	15
boiler			0		0		0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
pressure vessel			5		0		0	1	0	0	0	0	1	1	0	1	1	1	1	0	0	0	1
other pressure vessels			21		15		9	7	8	3	11	10	4	7	7	4	7	5	5	6	6	3	6
chemical facilities			3		1		2	5	1	1	0	3	2	1	0	2	3	2	0	4	0	2	8
gas welding equipment			2		2		3	0	4	2	1	1	1	0	0	1	2	0	2	3	1	0	1
arc welding equipment			1		0		0	0	3	0	1	0	0	1	0	2	1	0	0	2	2	0	0
other welding equipment			1		0		0	0	0	1	0	0	0	1	0	0	0	0	1	0	0	1	1
kiln, caldron			1		2		1	1	2	0	1	0	0	2	1	0	1	0	0	0	1	0	0
industrial dryer			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other kiln, caldron			0		0		0	0	0	0	0	1	1	0	0	0	0	0	1	0	0	0	0
transmission			1		3		2	1	1	1	3	2	3	9	2	5	1	4	3	4	4	4	8
electric power facilities			0		1		0	1	0	0	1	2	1	1	0	1	2	0	0	0	0	0	2
other electrical equipment			5		5		2	6	5	4	1	4	2	1	1	2	1	6	2	5	4	2	5
human power cranes			8		8		12	6	8	12	2	5	2	6	8	3	5	10	7	14	111	162	244
human power hauling equipment			510		553		562	662	759	860	674	773	718	793	808	838	833	986	1,012	1,066	990	1,026	954
human power machine			30		17		20	18	10	14	9	11	10	17	17	10	13	13	11	9	12	9	18
hand tool			114		94		99	99	85	99	101	77	108	107	93	92	68	81	74	82	86	102	97
ladder			190		198		222	213	248	252	217	247	231	205	261	249	265	227	272	278	310	362	350

substances			14	7		15	13	7	22	8	8	8	10	14	15	7	10	13	6	11	18	15
metal material			535	444		408	417	398	363	282	269	254	266	306	285	253	256	277	275	253	201	210
lumber, bamboo			281	281		253	265	271	219	204	202	219	205	206	201	175	166	189	171	168	176	147
stone, sand, substance			44	33		28	21	26	23	15	13	15	14	18	27	16	9	16	21	19	14	12
other materials			143	142		114	134	126	119	100	97	106	106	101	102	103	85	93	84	82	79	101
load			2,292	2,076		1,900	1,954	2,034	2,007	1,695	1,644	1,679	1,658	1,661	1,561	1,582	1,568	1,612	1,720	1,695	1,799	1,846
machine/equipment as load			126	109		111	132	129	137	108	119	96	103	104	98	85	83	78	73	78	76	75
natural ground, rock			37	27		20	15	25	32	18	17	22	11	19	17	20	20	15	28	19	21	12
standing tree			6	7		4	4	8	5	12	8	13	7	5	3	6	1	8	4	8	7	11
water			8	11		8	10	6	7	7	4	161	12	8	10	10	11	7	11	8	10	6
abnormal environment			3	4		1	0	1	0	3	1	3	11	4	2	1	0	0	2	5	2	2
high/cold temperature environment			49	33		30	42	31	55	25	91	61	58	82	75	78	69	98	198	127	156	82
other environments			182	118		161	183	117	151	122	165	188	200	221	275	158	225	230	313	183	189	279
other causal agent			142	109		122	114	109	112	84	65	97	92	111	93	125	96	122	121	115	243	477
no causal agent			449	456		575	593	504	481	527	592	558	542	504	542	563	550	635	689	824	857	979
unclassifiable			31	33		26	33	42	36	28	14	26	41	29	32	23	16	26	19	22	14	16
total			16,584	15,670		15,349	15,850	15,579	15,443	13,233	13,815	13,998	13,834	14,190	14,210	13,885	13,977	14,706	15,818	15,382	15,815	16,732

Workers age of industrial accidents in land cargo transportation 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
19 years old or	150	176	182	145	126	148	146	147	152	160	98	123	113	116	141	150	131	162	167	156	198	178	216

Ibaraki	378	405	419		394		406	417	393	392	327	378	435	355	401	387	369	353	395	394	375	407	440
Tochigi	244	234	252		245		221	206	233	237	241	246	183	220	200	209	198	189	207	240	220	249	273
Gunma	337	347	372		342		329	342	329	290	246	273	288	268	279	297	274	322	297	307	306	316	327
Saitama	767	798	927		933		978	1,077	1,096	1,047	965	969	1,006	1,000	980	1,025	1,070	1,047	1,062	1,151	1,211	1,263	1,296
Chiba	642	691	807		652		735	736	757	795	703	732	734	733	779	792	773	801	830	871	866	990	986
Tokyo	1,188	1,178	1,284		1,178		1,138	1,146	1,076	1,178	1,028	1,036	977	1,031	1,055	945	916	995	1,044	1,074	1,070	981	1,101
Kanagawa	807	927	853		799		829	812	890	955	772	816	785	825	806	848	876	859	925	982	981	1,044	1,152
Niigata	247	264	269		218		225	232	213	207	199	238	235	216	234	224	195	226	220	287	224	228	322
Toyama	176	173	188		177		159	139	138	134	117	116	124	122	113	132	117	102	158	125	135	125	112
Ishikawa	127	155	151		146		129	137	131	116	127	138	121	104	115	104	120	111	134	137	123	148	136
Fukui	132	115	137		108		115	117	105	106	62	74	101	73	88	94	71	79	84	79	99	100	94
Yamanashi	58	62	73		69		67	51	66	68	52	49	53	66	67	63	56	58	74	91	76	80	97
Nagano	131	132	169		157		146	118	161	154	118	131	124	129	113	154	137	137	161	186	174	156	204
Gifu	230	267	242		248		242	246	207	217	187	184	188	178	196	177	202	183	198	197	201	168	209
Shizuoka	536	608	552		542		508	534	549	562	435	517	468	472	450	501	472	487	479	502	492	531	499
Aichi	1,050	1,098	1,075		1,095		968	1,038	1,007	958	768	847	874	905	913	876	904	847	959	1,024	1,056	1,078	1,011
Mie	272	276	291		265		274	321	302	279	252	228	221	245	256	256	249	246	231	250	254	269	293
Shiga	181	164	178		178		155	168	157	178	128	150	145	161	175	150	140	170	129	164	133	138	148
Kyoto	263	286	284		251		292	281	273	231	225	206	254	219	246	269	283	252	275	300	250	303	348
Osaka	1,607	1,517	1,656		1,516		1,438	1,501	1,416	1,404	1,172	1,254	1,194	1,223	1,169	1,141	1,210	1,154	1,242	1,390	1,342	1,364	1,355
Hyogo	712	705	683		621		622	620	652	676	541	497	549	556	594	540	577	529	619	653	592	594	630
Nara	93	95	95		107		127	160	156	140	147	138	133	146	157	174	127	136	129	150	140	127	139
Wakayama	100	125	142		121		131	118	129	138	104	104	115	106	95	101	119	119	114	132	112	107	93
Tottori	53	75	32		55		57	39	62	37	49	47	53	39	35	50	38	50	50	71	49	44	54

Shimane	73	79	78		58		61	52	57	53	55	53	38	49	45	51	53	38	55	45	46	50	51
Okayama	262	272	285		264		255	246	310	298	240	229	270	277	282	263	275	268	296	335	307	291	343
Hiroshima	498	430	452		472		423	466	444	432	369	383	394	364	423	363	373	331	384	383	399	396	446
Yamaguchi	188	193	190		153		154	157	128	153	121	112	122	103	118	113	95	132	100	141	120	121	117
Tokushima	90	108	84		102		88	95	93	95	64	74	66	77	73	69	91	79	58	88	75	78	99
Kagawa	167	186	199		172		168	155	189	168	131	135	144	135	144	116	130	160	160	156	157	154	162
Ehime	204	209	204		206		181	229	223	180	161	198	165	167	155	162	157	171	175	157	176	164	169
Kochi	109	119	110		91		93	86	75	75	66	70	68	66	81	77	64	76	101	85	75	85	73
Fukuoka	785	769	817		831		711	768	742	726	638	693	654	665	661	710	651	693	743	783	802	861	902
Saga	138	162	141		151		156	165	161	145	124	146	132	137	164	175	152	138	141	159	183	185	210
Nagasaki	139	135	118		154		137	104	121	113	105	107	125	107	106	118	104	109	78	117	129	139	121
Kumamoto	200	233	213		206		200	251	210	234	186	177	189	159	199	172	163	184	175	219	196	200	161
Oita	132	125	112		113		128	106	121	106	98	96	87	77	74	91	70	94	87	108	100	106	114
Miyazaki	140	117	133		141		160	131	152	136	124	120	110	110	108	139	130	126	120	138	139	135	155
Kagoshima	203	216	207		195		231	216	221	209	174	180	182	171	189	194	185	185	171	195	186	198	196
Okinawa	24	38	23		34		50	26	41	39	37	56	50	48	60	47	58	68	87	67	76	89	86
total	15,735	16,217	16,584		15,670		15,349	15,850	15,579	15,443	13,233	13,815	13,998	13,834	14,190	14,210	13,885	13,977	14,706	15,818	15,382	15,815	16,732

Industrial accidents mean fatal and non-fatal injuries and occupational diseases with work absence of 4 days and more. Data of 2011 year include Industrial accidents caused by Great East Japan Earthquake in 2011.

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

Return to https://www.jisha.or.jp/english/statistics/2021em_industry.html

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Fatal accidents in land cargo transportation in Japan in 1999-2021

land cargo transportation industry Code No.0403+0501

Type of fatal accidents in land cargo transportation 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
fall from height	19	27	25	15	20	21	24	17	17	16	15	12	22	8	9	18	17	6	19	14	19	18	12
falling to same level	1	5	1	2	4	1	0	2	3	1	4	3	2	2	1	1	0	2	1	1	1	0	3
crash	2	2	0	0	2	0	3	4	0	1	0	1	1	0	1	1	1	1	0	1	1	1	0
struck by flying or falling object	4	8	7	13	8	12	10	9	8	7	9	11	4	5	3	6	6	4	8	4	5	4	5
collapse	8	6	4	6	4	14	10	7	9	5	5	6	4	10	3	5	11	5	7	3	5	3	3
crashed by	9	4	4	5	6	6	3	12	7	6	5	7	4	9	5	12	4	2	5	3	6	6	6
caught in/between	17	20	18	18	22	21	15	13	19	18	5	12	16	16	9	12	11	8	19	10	7	15	11
cut	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
injury to the sole of the foot	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
drown	1	0	0	2	2	2	1	2	0	0	1	0	124	1	0	0	2	0	0	0	1	0	0
contact to high/low-temperature	0	0	0	0	0	0	2	0	1	0	1	2	0	0	1	1	2	0	0	7	2	0	1
contact to harmful substance	0	0	0	1	0	0	0	1	0	0	0	2	1	1	0	0	1	0	0	0	0	1	0
electric shock	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
explosion	0	0	0	0	0	1	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0
burst	1	0	0	0	0	0	2	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1	1
fire	0	0	0	0	0	0	0	3	0	1	0	0	0	0	0	0	0	0	0	0	2	0	0
traffic accident (public road)	205	197	180	169	169	160	170	121	123	82	66	88	65	74	62	63	59	57	57	47	40	32	37
traffic accident (others)	2	0	1	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	1	0

reaction to motion/improper motion	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
others	1	2	1	2	4	5	4	7	8	9	7	9	38	7	11	10	11	13	20	11	12	5	16
unclassifiable	0	0	0	1	0	0	0	0	1	1	2	0	1	1	1	1	0	1	1	1	0	0	0
total	270	271	241	234	241	243	245	198	196	148	122	154	282	134	107	132	125	99	137	102	101	87	95

Causal agents (middle) of fatal accidents in land cargo transportation 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
engine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
power transmission mechanism	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
woodworking machine	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
construction machine	4	7	6	4	8	2	2	1	1	1	2	0	1	3	1	1	2	0	4	1	1	1	0
metal manufacturing machine	0	1	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
general machine	1	1	0	2	0	0	0	0	0	0	0	1	0	0	0	0	1	1	2	0	0	0	1
mobile silviculture machine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
crane	4	3	3	7	4	5	6	7	6	7	2	4	4	1	2	4	3	4	4	2	4	4	3
conveying machine	231	219	194	186	194	188	193	145	143	96	81	110	92	94	80	98	75	66	80	63	59	56	56
vehicle	8	14	18	12	14	10	10	11	9	12	4	7	4	3	2	6	8	3	6	8	4	5	3
pressure vessel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
chemical facilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
welding equipment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0
kiln, caldron	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
electric equipment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
human power machine, tools	0	1	3	2	0	0	1	3	2	0	2	1	0	2	0	1	2	0	2	2	3	1	1

leveling, transporting or loading machine	2	2	2	1	5	1	0	1	0	0	1	0	1	1	1	1	1	0	3	0	0	0	0
excavating machine	1	4	4	2	2	0	2	0	0	1	1	0	0	0	0	0	0	0	0	1	0	0	0
foundation work machine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
hardening machine	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
demolition machine	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0
vehicle for high lift work	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0
other construction machines	0	1	0	0	1	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0
lathe	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
drill press, milling machine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
grinding machine, buffing machine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
power press	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
forging pressure hammer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
shearing machine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other metal manufacturing machines	0	1	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
centrifugal machine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
mixer, grinder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
roll machine (except printingroll machine)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
injection molding machine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
food manufacturing machine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
printing machine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
industrial robot	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
other general power machines	1	1	0	2	0	0	0	0	0	0	0	1	0	0	0	0	0	1	2	0	0	0	1
felling machine																	0	0	0	0	0	0	0
mobile logging machine																	0	0	0	0	0	0	0

other pressure vessels	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
chemical facilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
gas welding equipment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
arc welding equipment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0
other welding equipment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
kiln, caldron	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
industrial dryer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other kiln, caldron	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
transmission	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
electric power facilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other electrical equipment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
human power cranes	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1
human power hauling equipment	0	0	1	1	0	0	1	2	2	0	2	1	0	2	0	1	2	0	1	1	3	1	0
human power machine	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
hand tool	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ladder	0	0	0	0	0	0	0	1	3	0	0	1	1	0	0	0	0	0	2	0	0	1	1
slinging tool	1	3	2	4	0	3	2	2	0	2	1	0	0	5	0	1	2	2	1	1	0	0	2
other tools	0	0	1	0	0	1	0	0	2	0	0	0	0	1	0	1	0	0	3	0	0	0	0
other equipment, facilities	0	0	1	1	1	0	0	0	0	0	1	0	0	1	0	0	0	0	1	0	2	2	1
scaffolding	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
timbering	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
stairs, landing stage	2	0	0	0	2	1	0	0	0	1	1	0	1	1	0	1	0	0	1	0	1	1	0
opening	0	1	1	0	0	1	0	0	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0
roof, beam, haze, crossbeam, principal rafter	1	2	0	0	0	0	1	0	0	1	0	0	1	1	0	0	0	0	1	0	0	0	0

working platform, boot board	0	1	1	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2	1	0	0
passage	0	1	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
building, establishment	1	1	2	1	3	2	6	3	1	3	2	2	4	0	1	1	0	0	1	0	1	2	0
other temporary buildings, establishments	1	3	0	0	1	1	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	0	1
explosive substance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
inflammable substance	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
inflammable gas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
harmful substance	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
radiation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other hazards, harmful substances	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
metal material	1	1	3	1	0	4	0	1	1	0	2	4	0	2	0	0	1	1	0	0	1	0	0
lumber, bamboo	0	0	2	2	1	0	2	1	3	2	0	2	0	1	0	1	0	0	1	0	0	2	2
stone, sand, substance	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other materials	1	0	0	0	0	0	1	1	0	0	4	1	0	1	0	0	2	0	0	0	0	0	0
load	5	8	2	5	4	15	10	7	11	8	7	5	8	9	4	4	7	5	5	4	7	4	4
machine/equipment as load	3	1	1	0	2	2	1	0	1	1	2	2	0	0	0	0	3	0	2	0	0	1	1
natural ground, rock	1	0	1	0	2	1	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0
standing tree	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
water	1	0	0	1	0	1	1	1	0	0	0	0	149	1	0	0	2	0	0	0	1	0	0
abnormal environment	0	0	0	1	0	0	0	0	0	0	0	1	1	1	0	0	1	0	0	0	0	0	0
high/cold temperature environment	0	0	0	0	0	0	2	0	1	0	1	2	1	0	1	1	2	0	0	5	2	1	1
other environments	1	2	0	0	1	0	1	2	0	0	0	1	1	0	1	0	0	0	0	0	0	0	1
other causal agent	2	0	0	1	3	3	2	0	2	0	2	0	3	0	2	1	0	0	0	1	1	1	6
no causal agent	0	0	0	2	1	1	3	7	6	9	5	8	8	6	10	9	11	15	20	9	11	4	9

unclassifiable	1	0	0	1	0	1	1	0	1	1	2	2	2	1	1	1	0	1	1	2	0	0	0
total	270	271	241	234	241	243	245	198	196	148	122	154	282	134	107	132	125	99	137	102	101	87	95

Workers age of fatal accidents in land cargo transportation 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
19 years old or less	3	0	0	1	1	4	3	2	1	0	0	1	2	0	0	0	1	0	1	0	0	1	0
20-29	56	57	40	34	29	30	31	20	21	12	9	11	9	7	12	7	7	6	9	6	0	3	7
30-39	60	67	59	52	54	64	62	49	43	26	25	28	60	23	11	15	16	11	11	6	9	11	7
40-49	63	67	54	63	59	49	49	40	49	46	38	40	77	36	36	49	25	25	45	28	31	12	14
50-59	74	62	67	66	77	58	73	62	52	46	28	38	82	38	24	33	49	36	49	27	40	27	38
60 years old or more	14	18	21	18	21	38	27	25	30	18	22	36	52	30	24	28	27	21	22	35	21	33	29
total	270	271	241	234	241	243	245	198	196	148	122	154	282	134	107	132	125	99	137	102	101	87	95

Workers' number of workplace of fatal accidents in land cargo transportation 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
9 workers or less	44	39	44	37	39	45	50	44	40	25	20	28	51	29	14	18	25	21	24	22	21	16	19
10-29	110	111	99	104	106	92	92	68	73	55	46	62	117	50	38	61	54	35	55	39	36	33	37
30-49	64	60	51	45	47	58	49	41	38	30	25	25	59	29	35	21	25	21	28	21	17	20	19
50-99	31	38	32	30	32	32	34	26	31	25	15	22	38	18	16	22	8	17	16	17	17	11	10
100-299	20	21	15	17	17	15	18	17	14	12	15	14	14	6	4	7	11	5	10	3	8	7	9
300 workers or more	1	2	0	1	0	1	2	2	0	1	1	3	3	2	0	3	2	0	4	0	2	0	1
total	270	271	241	234	241	243	245	198	196	148	122	154	282	134	107	132	125	99	137	102	101	87	95

Akita	2	2	2	0	0	1	2	2	2	0	0	1	2	1	1	0	0	0	0	0	1	0	0
Yamagata	1	4	2	4	5	3	3	1	2	2	2	1	0	1	0	4	1	1	0	0	0	0	0
Fukushima	5	7	8	8	3	3	1	6	7	7	4	3	11	3	4	7	2	0	1	1	0	4	0
Ibaraki	4	5	5	5	6	10	9	3	5	3	4	2	6	7	4	7	6	1	4	4	2	1	1
Tochigi	7	4	7	3	10	4	12	3	5	1	1	2	3	4	2	5	1	2	5	3	0	0	6
Gunma	3	6	3	3	5	8	6	8	7	4	3	2	2	3	0	3	0	2	3	1	5	2	1
Saitama	11	17	16	8	7	6	8	2	8	3	8	9	8	7	5	6	5	7	6	2	8	1	9
Chiba	6	7	8	13	16	5	12	6	7	4	6	6	3	9	9	4	4	6	7	4	6	3	2
Tokyo	10	5	7	7	8	9	7	12	8	8	3	5	5	9	2	8	3	3	7	6	6	6	4
Kanagawa	8	10	6	9	10	11	11	10	7	4	4	6	7	4	4	3	5	2	5	2	2	5	2
Niigata	6	5	6	4	3	4	2	2	3	3	1	2	2	1	2	3	2	3	2	1	2	3	1
Toyama	2	4	2	0	4	3	3	5	1	5	1	3	1	1	4	3	0	2	3	2	1	0	2
Ishikawa	6	1	0	2	5	2	7	0	3	1	3	0	6	0	1	1	2	1	0	2	0	1	0
Fukui	5	2	1	2	5	1	3	7	3	2	3	1	0	0	1	3	1	2	0	0	1	2	2
Yamanashi	2	2	0	1	0	1	0	1	1	1	1	3	0	1	1	1	2	0	2	0	0	0	1
Nagano	7	1	4	6	0	4	3	1	5	0	1	0	2	0	0	2	1	1	3	1	0	0	4
Gifu	4	4	8	1	4	3	8	6	1	3	3	2	3	4	1	3	2	1	2	0	2	0	2
Shizuoka	10	14	7	14	7	11	10	2	6	3	5	8	3	6	7	5	4	4	5	3	1	2	1
Aichi	25	21	17	14	21	11	13	11	5	12	15	10	11	8	10	4	9	7	7	5	5	7	1
Mie	1	2	6	6	3	7	4	4	1	1	1	2	0	1	2	2	1	4	1	2	3	3	6
Shiga	4	1	2	5	0	4	3	3	2	2	2	1	0	2	0	1	2	1	0	0	0	1	0
Kyoto	3	6	4	1	6	2	3	2	1	0	1	2	2	1	1	5	2	1	3	1	0	2	2
Osaka	21	22	18	19	14	20	15	15	17	8	11	10	6	8	8	10	7	9	11	9	11	8	11
Hyogo	12	19	6	8	9	10	13	11	9	7	2	7	4	4	5	3	11	2	4	7	6	3	5

Nara	2	5	2	2	2	3	4	5	2	0	0	2	1	3	2	2	1	2	2	2	0	0	3
Wakayama	1	4	4	3	4	2	0	0	0	1	0	2	1	1	0	0	3	1	2	0	1	0	1
Tottori	0	1	1	1	4	2	3	1	0	1	0	0	1	1	0	0	1	0	1	0	1	0	0
Shimane	0	2	4	2	1	1	2	1	0	2	3	1	1	0	1	0	0	0	0	0	2	0	0
Okayama	7	4	6	8	4	7	5	7	4	0	3	4	2	3	5	3	5	2	3	2	1	3	0
Hiroshima	17	8	6	3	5	15	8	12	7	4	3	4	7	4	2	1	3	2	5	4	6	0	0
Yamaguchi	4	5	2	4	0	7	5	0	2	1	2	2	3	1	1	3	0	3	0	2	1	1	2
Tokushima	0	3	2	1	1	1	3	1	0	1	1	0	0	0	0	0	2	1	0	1	1	1	1
Kagawa	2	3	5	2	4	0	1	0	2	2	2	1	1	2	0	2	0	0	3	3	3	0	3
Ehime	5	2	2	3	2	1	1	1	4	4	0	2	0	2	0	3	1	0	2	0	0	0	0
Kochi	1	2	3	3	1	1	0	2	1	1	1	1	0	1	2	0	1	0	0	1	1	2	0
Fukuoka	17	11	12	9	15	12	5	13	14	10	5	7	10	7	5	7	9	3	8	9	6	7	2
Saga	5	1	3	5	5	0	2	5	1	1	0	2	0	1	0	1	1	2	2	0	1	3	0
Nagasaki	2	0	5	0	1	4	2	2	2	4	1	1	1	1	1	0	1	2	2	1	1	0	0
Kumamoto	3	3	3	3	5	4	4	1	2	7	1	2	1	4	3	0	1	0	2	1	2	0	0
Oita	2	1	2	5	0	4	2	2	1	2	1	1	1	0	0	0	0	0	0	0	1	2	3
Miyazaki	1	3	4	2	4	0	3	1	1	0	0	3	0	3	0	0	1	1	3	2	0	3	3
Kagoshima	4	5	1	8	3	1	1	3	4	3	1	3	3	2	0	2	3	2	2	0	1	2	1
Okinawa	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
total	270	271	241	234	241	243	245	198	196	148	122	154	282	134	107	132	125	99	137	102	101	87	95

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

Return to https://www.jisha.or.jp/english/statistics/2021em_industry.html