

Fatal and non-fatal accidents in others in Japan in 1999-2021

others industry Code No.17

Type of accidents in others 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	807	864	923	863	916	1,022	920	987	895	900	936	895	919	931	915	946	982	949	987	1,030	1,078	1,114	1,020	21,799	fall from height
falling to same level	1,034	1,092	1,327	1,171	1,252	1,306	1,363	1,391	1,314	1,460	1,391	1,491	1,626	1,683	1,572	1,689	1,647	1,771	1,903	2,109	1,971	1,988	2,350	35,901	falling to same level
crash	214	253	239	243	235	270	278	242	264	251	234	248	283	272	261	278	267	282	332	333	302	365	313	6,259	crash
struck by flying or falling object	287	282	258	269	269	255	260	234	211	212	191	210	224	199	217	197	178	201	196	197	194	186	168	5,095	struck by flying or falling object
collapse	57	74	80	70	80	92	70	86	76	84	78	49	74	76	76	84	61	75	76	86	70	54	68	1,696	collapse
crashed by	220	236	212	217	205	219	214	216	221	190	205	204	219	207	194	231	232	187	195	228	272	221	227	4,972	crashed by
caught in/between	490	517	510	533	553	564	516	501	471	450	422	471	395	419	422	413	364	407	434	416	434	409	382	10,493	caught in/between
cut	274	318	267	282	259	260	241	236	246	236	208	213	187	188	156	175	185	158	157	181	179	148	171	4,925	cut
injury to the sole of the foot	14	12	14	10	13	10	9	13	5	11	14	7	7	4	10	13	10	9	7	14	7	9	10	232	injury to the sole of the foot
drown	4	10	2	3	2	5	2	8	2	2	10	2	42	3	6	6	3	7	4	15	5	3	2	148	drown
contact to high/low-temperature	77	69	94	68	71	93	93	83	74	75	59	99	88	72	113	79	98	82	93	199	141	169	120	2,209	contact to high/low-temperature
contact to harmful	11	22	19	18	16	14	17	27	12	9	13	14	16	14	16	9	15	13	19	19	21	26	20	380	contact to harmful

substance																										substance
electric shock	14	8	12	5	10	15	9	7	6	12	6	7	4	6	9	4	3	4	6	15	6	7	3	178	electric shock	
explosion		1	5	2	3	4	3	3	2	1	2	1	4	6	7	1	5	3	2	4	3		3	65	explosion	
burst	2		2		3	1	1	3	2	5	2	1	4		3		2	1	2	2		3		39	burst	
fire	5	1	3	1	1		3	4		3	3	1	5	2		1	2		1	1	1	1	1	40	fire	
traffic accident (public road)	531	571	597	618	628	603	645	652	670	661	603	633	610	633	693	593	657	606	607	593	608	580	616	14,208	traffic accident (public road)	
traffic accident (others)	14	7	8	4	8	7	15	9	11	7	7	5	9	12	6	5	9	9	7	4	6	14	7	190	traffic accident (others)	
reaction to motion/improper motion	502	482	566	565	635	651	615	651	711	667	655	691	687	680	692	660	723	753	811	848	850	838	974	15,907	reaction to motion/improper motion	
others	84	143	98	87	101	91	108	100	97	83	97	93	173	99	91	97	97	108	105	124	115	289	1,051	3,531	others	
unclassifiable	52	39	48	54	39	47	26	29	34	28	33	18	13	25	32	24	22	20	25	21	27	15	14	685	unclassifiable	
total	4,693	5,001	5,284	5,083	5,299	5,529	5,408	5,482	5,324	5,347	5,169	5,353	5,589	5,531	5,491	5,505	5,562	5,645	5,969	6,439	6,290	6,439	7,520	128,952	total	

Causal agents (large) of fatal and non-fatal accidents in others 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	361	373	330	377	357	357	328	322	286	284	280	271	269	257	242	222	243	213	224	228	227	241	212	6,504	machine
crane, conveying machine	1,033	1,090	1,109	1,166	1,139	1,179	1,171	1,147	1,118	1,119	1,063	1,068	1,045	1,095	1,160	1,014	1,086	1,013	1,041	1,044	1,079	1,103	1,101	25,183	crane, conveying machine
other equipment	709	764	807	740	787	886	877	855	884	840	849	918	899	860	886	884	853	927	983	992	1,040	1,001	1,057	20,298	other

																									equipment
temporary buildings, establishments	1,306	1,354	1,554	1,462	1,620	1,690	1,658	1,775	1,694	1,793	1,671	1,770	1,875	1,907	1,771	1,974	1,960	2,110	2,237	2,442	2,323	2,358	2,563	42,867	temporary buildings, establishments
substance, material	278	322	325	285	271	297	262	276	252	219	204	206	233	225	202	208	194	199	213	208	202	171	175	5,427	substance, material
load	244	251	290	260	315	301	279	285	308	265	254	246	258	282	276	258	285	280	273	295	301	279	276	6,361	load
environment	266	319	374	298	311	284	307	292	259	299	314	325	453	382	427	437	355	393	408	554	434	437	472	8,400	environment
others	496	528	495	495	499	535	526	530	523	528	534	549	557	523	527	508	586	510	590	676	684	849	1,664	13,912	others
total	4,693	5,001	5,284	5,083	5,299	5,529	5,408	5,482	5,324	5,347	5,169	5,353	5,589	5,531	5,491	5,505	5,562	5,645	5,969	6,439	6,290	6,439	7,520	128,952	total

Causal agents (middle) of fatal and non-fatal accidents in others 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	3		2	3	1	3		1	4	1	1	2	2	1		1	1	3	34	engine
power transmission mechanism	14	11	14	15	10	15	10	10	5	9	9	8	6	18	6	4	11	8	13	8	4	6	7	221	power transmission mechanism
woodworking machine	44	59	37	56	44	45	41	46	40	35	36	36	25	33	24	28	29	25	32	32	28	37	34	846	woodworking machine
construction machine	116	113	123	116	115	118	114	105	86	103	102	95	100	74	87	78	89	79	70	74	64	81	55	2,157	construction machine
metal manufacturing machine	19	22	12	23	39	23	29	25	28	25	12	22	13	14	18	13	11	15	17	23	22	11	24	460	metal manufacturing machine

general machine	167	167	143	166	148	153	134	134	124	111	118	110	124	114	106	98	101	84	91	90	107	105	88	2,783	general machine	
mobile silviculture machine																				1	1		1	3		mobile silviculture machine
crane	59	59	53	56	67	59	74	51	39	49	46	40	45	35	50	29	41	44	37	37	39	40	33	1,082	crane	
conveying machine	393	391	401	416	401	413	380	365	340	351	314	345	328	330	358	309	313	297	336	333	347	423	391	8,275	conveying machine	
vehicle	581	640	655	694	671	707	717	731	739	719	703	683	672	730	752	676	732	672	668	674	693	640	677	15,826	vehicle	
pressure vessel	3	3	10	5	9	4	7	4	3	3	3	2	6	4	6	1	3	3	3	6	3	4	1	96	pressure vessel	
chemical facilities		1		1	3		3			2			1	1	1				1	1	2			17	chemical facilities	
welding equipment	4	2	6	4	2	6	5	2	2	2	4	2	1	2	1	2	1	5	1	2	1		1	58	welding equipment	
kiln, caldron	5	4	3	2	2	1	3	5	5	1	4		5	6		2	2		1	3	1	4	3	62	kiln, caldron	
electric equipment	20	13	16	16	15	22	18	13	13	21	22	17	16	14	20	15	17	21	17	26	12	28	25	417	electric equipment	
human power machine, tools	194	250	261	238	245	247	267	251	278	265	269	288	240	260	246	264	254	263	288	314	318	298	298	6,096	human power machine, tools	
tools	366	371	387	383	398	440	431	443	434	398	394	437	472	440	428	438	403	470	507	486	513	496	551	10,086	tools	
other equipments, facilities	117	120	124	91	113	166	143	137	149	148	153	172	158	133	184	162	173	165	165	154	190	171	178	3,466	other equipments, facilities	
temporary buildings, establishments	1,306	1,354	1,554	1,462	1,620	1,690	1,658	1,775	1,694	1,793	1,671	1,770	1,875	1,907	1,771	1,974	1,960	2,110	2,237	2,442	2,323	2,358	2,563	42,867	temporary buildings, establishments	

hazards, harmful substances	27	31	39	28	28	29	28	36	24	21	19	21	25	21	18	15	28	21	22	30	22	28	17	578	hazards, harmful substances
materials	251	291	286	257	243	268	234	240	228	198	185	185	208	204	184	193	166	178	191	178	180	143	158	4,849	materials
load	244	251	290	260	315	301	279	285	308	265	254	246	258	282	276	258	285	280	273	295	301	279	276	6,361	load
natural environment	266	319	374	298	311	284	307	292	259	299	314	325	453	382	427	437	355	393	408	554	434	437	472	8,400	natural environment
other causal agent	194	276	225	142	190	176	212	198	203	173	182	158	208	133	154	146	188	145	182	164	179	328	1,092	5,248	other causal agent
no causal agent	230	200	214	295	260	299	282	292	288	310	323	363	326	365	344	334	373	344	387	482	478	503	559	7,851	no causal agent
unclassifiable	72	52	56	58	49	60	32	40	32	45	29	28	23	25	29	28	25	21	21	30	27	18	13	813	unclassifiable
total	4,693	5,001	5,284	5,083	5,299	5,529	5,408	5,482	5,324	5,347	5,169	5,353	5,589	5,531	5,491	5,505	5,562	5,645	5,969	6,439	6,290	6,439	7,520	128,952	total

Causal agents (small) of fatal and non-fatal accidents in others 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			2	3	1	3		1	4	1	1	2	2	1		1	1	3	28	engine
power transmission mechanism			14		10		10	10	5	9	9	8	6	18	6	4	11	8	13	8	4	6	7	166	power transmission mechanism
circular sawing machine			17		26		19	24	24	18	15	17	15	14	12	7	10	8	12	9	14	12	10	283	circular sawing machine
band sawing machine							1			1		2				1	1	1		1		1		9	band sawing machine
wood planer machine			2		1		1	4	2				1	1	2	4	3		2	2		3	1	29	wood planer machine

hollow chisel mortiser, wood borer			1		1		1	1								1			2		1	2	10	hollow chisel mortiser, wood borer	
chamfering machine, router, woodworking milling machine							1				1		1		1								4	chamfering machine, router, woodworking milling machine	
chain saw			9		9		9	7	8	11	13	9	6	12	8	8	9	12	12	13	12	12	12	191	chain saw
other woodworking machines			8		7		10	9	6	5	8	7	3	5	2	7	5	4	6	5	2	8	9	116	other woodworking machines
leveling, transporting or loading machine			15		19		22	16	11	19	11	14	17	16	11	9	14	8	13	10	6	14	7	252	leveling, transporting or loading machine
excavating machine			75		64		61	61	55	55	59	52	50	42	46	38	44	37	32	43	42	51	30	937	excavating machine
foundation work machine			2		1		1	1	1	2	5	2	3		5	4		4	1	3				35	foundation work machine
hardening machine			6		7		9	8	5	8	6	8	7	3	6	6	5	7	8	2	5	2	5	113	hardening machine
demolition machine			2		3			1			1	1	1	1	1	3	1		2	2	1		1	21	demolition machine
vehicle for high lift work			7		6		7	9	6	8	9	7	11	4	6	10	13	14	6	3	6	6	6	144	vehicle for high lift work
other construction machines			16		15		14	9	8	11	11	11	11	8	12	8	12	9	8	11	4	8	6	192	other construction machines
lathe			1				1	2	3	3	2		2	2		1		1	1		2			21	lathe
drill press, milling machine			3		4		1	2	2	4		4	3	2				2	1	2			1	31	drill press, milling machine
grinding machine,			2		10		7	3	13	5	2	5	5	6	7	6	3	7	6	8	11	3	8	117	grinding machine,

other mobile silviculture machine																							1	1	other mobile silviculture machine	
crane			13		13		25	19	14	13	9	6	9	7	15	5	7	12	7	8	10	6	7	205	crane	
mobile crane			27		30		30	13	10	18	18	19	21	12	20	11	18	16	20	19	16	21	11	350	mobile crane	
derrick crane										1														1	derrick crane	
elevator, lift			10		16		13	16	11	13	15	9	9	11	12	11	12	14	9	7	10	9	14	221	elevator, lift	
cargo lifting appliance							1				1	1	1		1									5	cargo lifting appliance	
gondola			1				2	2		1		1	3			1	1					1		13	gondola	
lumberyard equipment, logging cableway																							1		1	lumberyard equipment, logging cableway
simple skyline yarding equipment																										simple skyline yarding equipment
other powered crane			2		8		3	1	4	3	3	4	2	5	2	1	3	2	1	3	3	2	1	53	other powered crane	
truck			264		243		247	238	216	238	226	221	217	222	248	201	227	216	242	229	218	291	273	4,477	truck	
forklift			84		80		61	56	65	59	50	71	54	52	56	48	49	51	55	69	78	81	67	1,186	forklift	
railway equipment							2	1				1		1			1		1		1		2	10	railway equipment	
conveyor			30		51		41	42	40	30	25	34	32	34	27	35	20	19	25	17	27	32	26	587	conveyor	
loader			1		1		3	1	2	6	2	2	2	2	2	2	1	1	2	3	1	1	2	37	loader	
straddle carrier																	2							2	straddle carrier	
rough terrain hauler			1		2		1			3		1			2		1							11	rough terrain hauler	
other powered conveying machines			21		24		25	27	17	15	11	15	23	19	23	23	12	10	11	15	22	18	21	352	other powered conveying machines	

hauling equipment			122		129		144	134	154	170	169	179	148	163	162	181	174	199	207	227	230	201	196	3,289	hauling equipment
human power machine			1		4		3	3		5	5	3	5	5	2	3	4	1	5		3	5	2	59	human power machine
hand tool			133		108		118	112	121	90	94	102	86	91	79	80	73	63	76	83	75	73	71	1,728	hand tool
ladder			230		233		243	246	260	216	234	262	272	281	251	256	230	261	264	264	261	278	277	4,819	ladder
slinging tool			4		10		9	6	5	5	6	9	3	5	3	3	3	1	2	2	1	2	5	84	slinging tool
other tools			153		155		179	191	169	177	154	166	197	154	174	179	170	208	241	220	251	216	269	3,623	other tools
other equipment, facilities			124		113		143	137	149	148	153	172	158	133	184	162	173	165	165	154	190	171	178	2,972	other equipment, facilities
scaffolding			20		14		15	13	19	9	18	5	12	10	13	17	13	10	15	17	10	12	18	260	scaffolding
timbering			2				1	2								1				1		2		9	timbering
stairs, landing stage			358		411		422	472	418	458	403	427	434	431	424	448	483	482	536	532	545	549	549	8,782	stairs, landing stage
opening			13		17		26	22	26	21	14	25	14	24	21	29	23	38	34	32	38	30	30	477	opening
roof, beam, haze, crossbeam, principal rafter			22		14		12	21	26	19	10	18	20	22	25	19	17	11	9	24	16	16	20	341	roof, beam, haze, crossbeam, principal rafter
working platform, boot board			139		173		149	132	143	166	138	148	153	149	136	144	162	152	187	234	173	180	167	3,025	working platform, boot board
passage			534		556		583	660	633	648	589	643	725	782	674	766	734	890	913	1,043	962	960	1,171	14,466	passage
building, establishment			289		236		255	258	244	276	296	295	326	290	283	278	283	278	311	310	311	315	336	5,470	building, establishment
other temporary buildings, establishments			177		199		195	195	185	196	203	209	191	199	195	272	245	249	232	249	268	294	272	4,225	other temporary buildings, establishments
explosive substance			3				1		1				1	1	2		1	2						12	explosive substance

inflammable substance			6	2	3	6	2	2	3	7	1	4	2	1	1		4	5	3	3	2	57	inflammable substance
inflammable gas			5	3	2	1		1	1	1	3	2	1	2	1	1	1	4		4		33	inflammable gas
harmful substance			9	10	5	18	7	6	7	4	10	5	5	3	15	6	4	9	7	8	4	142	harmful substance
radiation																	2					2	radiation
other hazards, harmful substances			16	13	17	11	14	12	8	9	10	9	8	9	10	12	11	12	12	13	11	217	other hazards, harmful substances
metal material			147	125	105	127	103	106	92	87	91	105	82	93	79	91	98	86	94	66	79	1,856	metal material
lumber, bamboo			53	55	44	37	46	23	26	42	50	32	29	36	24	22	38	41	32	23	22	675	lumber, bamboo
stone, sand, substance			26	13	27	18	23	13	14	10	21	16	25	13	19	20	18	16	11	18	17	338	stone, sand, substance
other materials			60	50	58	58	56	56	53	46	46	51	48	51	44	45	37	35	43	36	40	913	other materials
load			251	272	235	262	283	238	231	210	235	232	243	234	260	253	246	268	269	255	266	4,743	load
machine/equipment as load			39	43	44	23	25	27	23	36	23	50	33	24	25	27	27	27	32	24	10	562	machine/equipment as load
natural ground, rock			90	76	67	68	72	87	82	60	68	84	76	71	73	67	74	68	77	67	73	1,400	natural ground, rock
standing tree			46	40	30	30	26	23	30	32	33	30	34	33	24	33	40	41	36	40	26	627	standing tree
water			9	13	4	20	12	12	18	9	91	9	20	13	15	13	6	22	7	11	10	314	water
abnormal environment			2	2	4	6	1	1		3	4	9	5	1		1	1	3	3	1	4	51	abnormal environment
high/cold temperature environment			31	22	33	39	29	28	17	66	40	48	86	52	66	52	58	165	118	140	105	1,195	high/cold temperature environment
other environments			196	158	169	129	119	148	167	155	217	202	206	267	177	227	229	255	193	178	254	3,646	other environments
other causal agent			225	190	212	198	203	173	182	158	208	133	154	146	188	145	182	164	179	328	1,092	4,460	other causal agent

no causal agent			214		260		282	292	288	310	323	363	326	365	344	334	373	344	387	482	478	503	559	6,827	no causal agent
unclassifiable			56		49		32	40	32	45	29	28	23	25	29	28	25	21	21	30	27	18	13	571	unclassifiable
total			5,284		5,299		5,408	5,482	5,324	5,347	5,169	5,353	5,589	5,531	5,491	5,505	5,562	5,645	5,969	6,439	6,290	6,439	7,520	108,646	total

Workers age of fatal and non-fatal accidents in others 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	100	99	89	82	96	84	75	61	52	82	58	46	50	47	55	64	72	57	62	71	72	62	48	1,584	19 years old or less
20-29	1,037	1,063	1,048	1,018	992	1,019	848	853	807	784	675	703	665	639	624	619	631	614	673	684	657	638	873	18,164	20-29
30-39	776	865	905	932	1,003	1,088	994	1,013	1,020	1,032	972	988	979	943	880	816	804	784	832	809	741	791	876	20,843	30-39
40-49	795	824	907	872	913	932	976	951	907	915	1,000	1,023	1,172	1,151	1,126	1,096	1,155	1,182	1,248	1,288	1,188	1,138	1,352	24,111	40-49
50-59	1,082	1,227	1,344	1,277	1,288	1,401	1,467	1,485	1,393	1,356	1,226	1,256	1,352	1,284	1,296	1,312	1,300	1,366	1,359	1,521	1,540	1,571	1,870	31,573	50-59
60 years old or more	903	923	991	902	1,007	1,005	1,048	1,119	1,145	1,178	1,238	1,337	1,371	1,467	1,510	1,598	1,600	1,642	1,795	2,066	2,092	2,239	2,501	32,677	60 years old or more
total	4,693	5,001	5,284	5,083	5,299	5,529	5,408	5,482	5,324	5,347	5,169	5,353	5,589	5,531	5,491	5,505	5,562	5,645	5,969	6,439	6,290	6,439	7,520	128,952	total

Workers' number of workplace of fatal and non-fatal accidents in others 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	1,133	1,210	1,227	1,159	1,278	1,300	1,200	1,229	1,141	1,015	1,045	1,029	1,103	1,083	1,004	991	1,011	979	1,060	1,083	1,048	1,030	1,128	25,486	9 workers or less
10-29	1,158	1,230	1,318	1,275	1,256	1,289	1,335	1,335	1,212	1,222	1,181	1,284	1,316	1,259	1,265	1,259	1,260	1,259	1,326	1,395	1,442	1,382	1,669	29,927	10-29
30-49	649	714	737	713	746	773	690	728	756	783	775	747	789	778	814	823	855	843	883	970	931	1,054	1,043	18,594	30-49
50-99	637	609	703	673	751	768	813	737	735	750	768	791	842	849	788	810	808	880	924	990	969	1,041	1,199	18,835	50-99
100-299	660	709	767	776	751	853	808	865	840	834	795	899	859	948	967	962	962	998	1,035	1,233	1,089	1,136	1,532	21,278	100-299

300 workers or more	456	529	532	487	517	546	562	588	640	743	605	603	680	614	653	660	666	686	741	768	811	796	949	14,832	300 workers or more
total	4,693	5,001	5,284	5,083	5,299	5,529	5,408	5,482	5,324	5,347	5,169	5,353	5,589	5,531	5,491	5,505	5,562	5,645	5,969	6,439	6,290	6,439	7,520	128,952	total

Month of fatal and non-fatal accidents in others 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	349	371	525	404	484	485	455	489	455	490	474	443	556	533	531	456	519	539	570	675	543	538	716	11,600	January
February	403	436	431	416	417	497	479	460	442	550	454	474	445	569	467	581	462	509	498	532	506	500	597	11,125	February
March	377	422	461	429	439	496	460	512	438	426	446	458	553	470	461	475	458	466	494	499	467	489	565	10,761	March
April	355	367	395	418	410	409	411	387	386	414	416	406	368	415	410	399	434	450	419	452	527	467	580	9,695	April
May	370	414	405	403	399	403	405	400	446	445	371	407	401	403	434	426	434	455	434	518	478	423	729	10,003	May
June	406	422	432	389	448	452	459	436	439	449	431	471	489	431	440	418	436	469	506	524	515	562	582	10,606	June
July	403	397	416	478	464	483	477	506	452	473	451	455	449	489	485	484	515	445	532	628	611	600	727	11,420	July
August	412	463	426	428	468	469	468	508	498	445	427	464	487	455	462	463	491	468	500	538	586	597	792	11,315	August
September	430	477	458	423	446	483	465	465	430	420	398	443	502	428	424	453	442	479	498	530	553	568	573	10,788	September
October	412	427	469	468	473	487	449	475	457	428	486	472	452	477	511	462	482	462	540	566	508	564	574	11,101	October
November	406	404	454	412	408	462	407	442	460	415	407	429	444	434	420	435	474	469	483	511	531	555	515	10,377	November
December	370	401	412	415	443	403	473	402	421	392	408	431	443	427	446	453	415	434	495	466	465	576	570	10,161	December
total	4,693	5,001	5,284	5,083	5,299	5,529	5,408	5,482	5,324	5,347	5,169	5,353	5,589	5,531	5,491	5,505	5,562	5,645	5,969	6,439	6,290	6,439	7,520	128,952	total

Prefecture of fatal and non-fatal accidents in others 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	281	291	328		277		243	251	276	236	238	260	266	279	280	258	257	281	267	281	272	320	355	5,797	Hokkaido

Kyoto	78	95	115		107		83	110	88	105	116	119	122	93	109	100	114	105	111	105	102	101	133	2,211	Kyoto
Osaka	539	645	641		683		757	670	654	660	626	599	602	595	564	610	706	618	696	659	707	678	839	13,748	Osaka
Hyogo	244	214	235		214		239	212	214	234	216	222	205	224	227	254	268	251	246	268	252	259	265	4,963	Hyogo
Nara	25	37	41		27		51	48	38	48	61	38	41	49	42	39	52	60	60	82	59	59	59	1,016	Nara
Wakayama	47	25	35		38		40	43	53	54	39	31	46	34	52	31	41	39	40	51	37	48	35	859	Wakayama
Tottori	17	16	14		18		8	18	15	15	11	11	12	7	18	11	8	10	14	9	15	16	19	282	Tottori
Shimane	36	27	32		38		37	39	31	24	28	25	32	26	19	27	16	23	26	27	28	29	38	608	Shimane
Okayama	53	62	55		51		82	73	45	60	72	58	75	60	64	48	67	58	67	80	77	70	105	1,382	Okayama
Hiroshima	148	154	179		95		139	116	106	133	114	114	122	117	112	138	111	126	130	123	117	157	199	2,750	Hiroshima
Yamaguchi	33	38	51		35		39	48	57	37	35	61	47	43	39	47	34	30	44	50	42	45	55	910	Yamaguchi
Tokushima	33	34	41		33		26	29	24	30	24	23	10	35	36	30	28	25	30	32	25	33	40	621	Tokushima
Kagawa	43	29	38		36		39	56	46	37	52	39	37	41	42	55	60	49	54	58	56	81	45	993	Kagawa
Ehime	66	70	65		78		67	45	52	58	44	65	46	54	48	39	31	41	37	52	63	43	56	1,120	Ehime
Kochi	54	76	52		52		66	39	34	34	48	38	56	50	45	50	39	45	50	39	40	26	48	981	Kochi
Fukuoka	152	164	219		193		204	219	174	150	158	213	216	240	229	217	218	209	224	288	278	252	296	4,513	Fukuoka
Saga	40	24	32		29		39	39	35	53	40	40	37	43	34	35	31	45	38	33	32	45	39	783	Saga
Nagasaki	39	42	53		57		47	55	56	58	76	58	66	69	72	61	56	59	56	52	53	76	95	1,256	Nagasaki
Kumamoto	69	58	65		82		63	71	81	59	73	64	86	79	93	75	77	101	100	88	92	118	114	1,708	Kumamoto
Oita	47	44	53		43		44	30	36	30	38	30	31	31	25	34	38	21	34	38	32	36	33	748	Oita
Miyazaki	71	75	55		66		59	65	64	62	71	75	76	64	57	72	59	61	43	50	48	59	70	1,322	Miyazaki
Kagoshima	49	69	73		77		57	82	77	70	62	74	59	47	46	35	48	58	60	55	58	81	72	1,309	Kagoshima
Okinawa	72	65	69		77		54	69	65	98	86	67	79	73	65	82	79	90	78	92	89	98	111	1,658	Okinawa
total	4,693	5,001	5,284		5,299		5,408	5,482	5,324	5,347	5,169	5,353	5,589	5,531	5,491	5,505	5,562	5,645	5,969	6,439	6,290	6,439	7,520	118,340	total

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)

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

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Fatal accidents in others in Japan in 1999-2021

others industry Code No.17

Type of fatal accidents in others 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	14	8	14	7	12	19	10	19	11	10	14	11	6	9	12	6	17	9	9	14	7	11	6	255	fall from height	
falling to same level		1	1	1	2	3	2	2	2	2	1	2	1	2	3	1	2	1	2	1		4	2	38	falling to same level	
crash	1				2			1			1											1		6	crash	
struck by flying or falling object	1	1		2	4		2	1				2	1	1	2		1			1	1	2	2	24	struck by flying or falling object	
collapse	1	1	2	1	2	1	1	2	1		1	2	2			3	1		1			1		23	collapse	
crashed by	9	6	2	10	3	5	6	6	4	6	7	6	3	1	5	2	3	4	4	2	5	4	4	107	crashed by	
caught in/between	7	6	13	9	10	11	19	9	8	5	3	7	6	5	5	4	4	7	7	5	3	6	5	164	caught in/between	
cut													1	2											3	cut
injury to the sole of the foot																										injury to the sole of the foot
drown	5	8	1	3	2	5	2	6	1	1	9	2	44	3	6	5	2	7	6	6	5	2	2	133	drown	

contact to high/low-temperature		1			1	1	1	1	3	2	2	5	3	2	3	1	8	1	2	5	5	2	1	50	contact to high/low-temperature	
contact to harmful substance		1	1	3	2		1	1	2								1		1		2	3	1	19	contact to harmful substance	
electric shock	1	4	1							1				2	1	1				4		1	1	17	electric shock	
explosion													1					1	1					3	explosion	
burst			1							1														2	burst	
fire			1					1			1		2											5	fire	
traffic accident (public road)	56	51	49	64	51	39	43	30	40	31	30	33	26	31	41	24	25	28	24	20	16	24	18	794	traffic accident (public road)	
traffic accident (others)	1		2	1		1	3							2	3							2		1	16	traffic accident (others)
reaction to motion/improper motion																										reaction to motion/improper motion
others	1	3		2	3	10	4	5	8	1	2	9	50	8	3	9	11	10	7	6	4	5	15	176	others	
unclassifiable		1		2	1		1		1			1		1	3	1							1	13	unclassifiable	
total	97	92	88	105	95	95	95	84	81	60	71	80	148	70	84	57	75	68	66	64	49	66	58	1,848	total	

Causal agents (large) of fatal accidents in others 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	5	6	5	10	5	7	11	6	8	7	4	7	6	4	5	1	2	3	3	2	2	6	3	118	machine
crane, conveying machine	72	59	57	72	60	55	63	46	46	38	41	39	35	38	51	29	31	37	33	26	24	31	24	1,007	crane, conveying machine

other equipment	1	6	7	7	8	8	4	3	2	2	2	5	1	5	3	1	4		6	8	1	4	3	91	other equipment
temporary buildings, establishments	14	8	8	7	7	11	7	12	9	10	9	9	4	7	8	8	8	8	7	9	7	6	7	190	temporary buildings, establishments
substance, material		1	1		2		2	2	1				1			1	2	1			1	3	1	19	substance, material
load	1		2	1	1	1		1	1			2	1				1		1	1		1		15	load
environment	3	9	7	5	8	6	3	9	7	2	14	8	90	6	12	7	16	9	9	12	10	8	4	264	environment
others	1	3	1	3	4	7	5	5	7	1	1	10	10	10	5	10	11	10	7	6	4	7	16	144	others
total	97	92	88	105	95	95	95	84	81	60	71	80	148	70	84	57	75	68	66	64	49	66	58	1,848	total

Causal agents (middle) of fatal accidents in others 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																										engine
power transmission mechanism										1								1							2	power transmission mechanism
woodworking machine																										woodworking machine
construction machine	5	5	5	9	4	3	9	5	6	5	4	7	5	2	4	1	2	1	3	1	1	4	3	94	construction machine	
metal manufacturing machine																							1		1	metal manufacturing machine
general machine		1		1	1	4	2	1	2	1			1	2	1			1		1		1		20	general machine	
mobile silviculture machine																					1			1	1	mobile silviculture machine

crane	2	2	3	4	3	1		3		4	1	1	3	1	2	1	2	5	2	1	2	1	2	46	crane
conveying machine	29	22	19	24	17	21	28	14	16	9	15	18	11	7	16	12	9	14	15	10	7	14	12	359	conveying machine
vehicle	41	35	35	44	40	33	35	29	30	25	25	20	21	30	33	16	20	18	16	15	15	16	10	602	vehicle
pressure vessel			1							1														2	pressure vessel
chemical facilities																									chemical facilities
welding equipment																									welding equipment
kiln, caldron						1																		1	kiln, caldron
electric equipment	1	3	1			1				1				2	1	1				4		1	1	17	electric equipment
human power machine, tools			1	2	1	1			1		1	2					1		2			1		13	human power machine, tools
tools		2	1	3	6	4	2	2	1			1		2	1		3		2	3	1	2	2	38	tools
other equipments, facilities		1	3	2	1	1	2	1			1	2	1	1	1				2	1				20	other equipments, facilities
temporary buildings, establishments	14	8	8	7	7	11	7	12	9	10	9	9	4	7	8	8	8	8	7	9	7	6	7	190	temporary buildings, establishments
hazards, harmful substances		1	1		2					1			1				1	1			1	3	1	13	hazards, harmful substances
materials							2	2								1	1							6	materials
load	1		2	1	1	1		1	1			2	1				1		1	1		1		15	load
natural environment	3	9	7	5	8	6	3	9	7	2	14	8	90	6	12	7	16	9	9	12	10	8	4	264	natural environment
other causal agent		2	1	2	3	6	2	1				1	1			2				1		4	12	38	other causal agent
no causal agent	1					1	2	4	6	1	1	8	8	9	5	8	11	10	6	5	4	2	3	95	no causal agent
unclassifiable		1		1	1		1		1			1	1	1					1			1	1	11	unclassifiable

total	97	92	88	105	95	95	95	84	81	60	71	80	148	70	84	57	75	68	66	64	49	66	58	1,848	total
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Causal agents (small) of fatal accidents in others 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																										engine
power transmission mechanism										1								1						2		power transmission mechanism
circular sawing machine																										circular sawing machine
band sawing machine																										band sawing machine
wood planer machine																										wood planer machine
hollow chisel mortiser, wood borer																										hollow chisel mortiser, wood borer
chamfering machine, router, woodworking milling machine																										chamfering machine, router, woodworking milling machine
chain saw																										chain saw
other woodworking machines																										other woodworking machines
leveling, transporting or loading machine		3		2	2		2		3	1										2	1			16		leveling, transporting or loading machine

																									loading machine		
excavating machine	2		3	3	1	2	4	3	2	3		3	3	1	1								2	1	35	excavating machine	
foundation work machine		1																							1	foundation work machine	
hardening machine	1			1	1		1	1		1		2		1	1	1									11	hardening machine	
demolition machine																										demolition machine	
vehicle for high lift work		1	1	2				1	1		1	1	1		1									1	1	13	vehicle for high lift work
other construction machines	2		1	1		1	2					3	1	1		1		1	1					2	1	18	other construction machines
lathe																											lathe
drill press, milling machine																											drill press, milling machine
grinding machine, buffing machine																											grinding machine, buffing machine
power press																											power press
forging pressure hammer																											forging pressure hammer
shearing machine																											shearing machine
other metal manufacturing machines																									1	1	other metal manufacturing machines
centrifugal machine																											centrifugal machine
mixer, grinder				1			1			1															1	4	mixer, grinder
roll machine (except printingroll																											roll machine (except printingroll

machine)																							machine)	
injection molding machine		1					1															2	injection molding machine	
food manufacturing machine																							food manufacturing machine	
printing machine																							printing machine	
industrial robot																							industrial robot	
other general power machines					1	4		1	2				1	2	1			1		1			14	other general power machines
felling machine																		1					1	felling machine
mobile logging machine																							mobile logging machine	
skyline yarding machine																							skyline yarding machine	
other mobile silviculture machine																							other mobile silviculture machine	
crane		2												1				1				1	5	crane
mobile crane	2		1	3	1			1		2			1	1	1	1					1	1	16	mobile crane
derrick crane																							derrick crane	
elevator, lift			2	1	2	1		2		2	1	1	1				1	4	2	1	1		23	elevator, lift
cargo lifting appliance																							cargo lifting appliance	
gondola																							gondola	
lumberyard equipment, logging cableway																							lumberyard equipment, logging	

																								cableway	
simple skyline yarding equipment																								simple skyline yarding equipment	
other powered crane												1				1							2	other powered crane	
truck	27	19	18	23	14	18	21	12	15	9	14	14	9	6	16	12	6	13	14	8	5	10	11	314	truck
forklift	1	1		1	3	2	6	1	1		1	3	1				3	1	1		2	3		31	forklift
railway equipment							1					1												2	railway equipment
conveyor		1																						1	conveyor
loader		1																	1					2	loader
straddle carrier																									straddle carrier
rough terrain hauler	1					1																		2	rough terrain hauler
other powered conveying machines			1					1					1	1					1		1	1		7	other powered conveying machines
cars, bus, motorcycle	40	34	33	42	40	31	32	27	29	24	23	20	19	27	31	16	19	18	14	15	14	16	10	574	cars, bus, motorcycle
railway vehicle			2				3						2	2					1		1			11	railway vehicle
other vehicles	1	1		2		2		2	1	1	2			1	2		1		1					17	other vehicles
boiler																									boiler
pressure vessel																									pressure vessel
other pressure vessels			1								1													2	other pressure vessels
chemical facilities																									chemical facilities
gas welding equipment																									gas welding equipment

stairs, landing stage	2	1	2			1	1	2	2	2		1		1	1		1	3	1	1	1	1	1	25	stairs, landing stage	
opening	2	1	1			1	1			2	1	1		1	1	1	1		2			1		17	opening	
roof, beam, haze, crossbeam, principal rafter	2		1	2	3	1				1		1	1	1			1				1	1		1	18	roof, beam, haze, crossbeam, principal rafter
working platform, boot board											1					1				1		2		5	working platform, boot board	
passage		1		1		2		3				1	1	1		2		1	1			1	3	18	passage	
building, establishment	8	5	3	3	2	5	4	7	4	5	6	2	2	3	4	3	4	4	2	5	4		1	86	building, establishment	
other temporary buildings, establishments			1	1	2	1	1		2	1		3			2	1	1		1	1	1	1	1	21	other temporary buildings, establishments	
explosive substance																										explosive substance
inflammable substance																										inflammable substance
inflammable gas													1											1	inflammable gas	
harmful substance		1	1		2				1								1					3	1	10	harmful substance	
radiation																										radiation
other hazards, harmful substances																	1				1			2	other hazards, harmful substances	
metal material							1									1	1							3	metal material	
lumber, bamboo																										lumber, bamboo
stone, sand, substance							1	1																2	stone, sand, substance	

40-49	18	13	6	22	16	15	19	10	12	9	9	19	28	18	14	11	9	9	12	16	13	7	8	313	40-49
50-59	22	26	24	28	27	25	33	21	27	20	24	19	36	18	12	9	22	23	10	12	12	8	10	468	50-59
60 years old or more	23	22	30	26	26	28	27	32	22	17	17	28	38	21	44	22	23	20	36	26	22	37	35	622	60 years old or more
total	97	92	88	105	95	95	95	84	81	60	71	80	148	70	84	57	75	68	66	64	49	66	58	1,848	total

Workers' number of workplace of fatal accidents in others 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	23	23	24	23	18	20	18	16	18	13	11	17	58	17	24	14	22	15	10	10	8	9	9	420	9 workers or less
10-29	21	26	23	23	22	27	29	20	21	8	20	30	44	14	15	12	17	20	19	17	17	22	12	479	10-29
30-49	14	12	18	18	24	15	14	13	17	17	18	12	18	13	19	11	9	19	10	14	11	11	7	334	30-49
50-99	19	11	13	21	14	9	8	14	7	12	13	6	11	10	7	6	12	4	12	11	5	10	12	247	50-99
100-299	14	19	8	13	11	18	18	17	12	8	9	7	11	13	10	9	9	6	9	8	6	12	13	260	100-299
300 workers or more	6	1	2	7	6	6	8	4	6	2		8	6	3	9	5	6	4	6	4	2	2	5	108	300 workers or more
total	97	92	88	105	95	95	95	84	81	60	71	80	148	70	84	57	75	68	66	64	49	66	58	1,848	total

Month of fatal accidents in others 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	7	5	4	7	10	5	5	7	5	4	8	7	6	5	5	8	3	8	5	1	4	6	132	January
February	17	4	7	8	13	11	11	7	9	6	6	5	5	8	5	5	9	7	9	9	5	4	4	174	February
March	6	12	11	12	13	11	6	11	8	9	9	6	88	7	5	8	8	7	2	3	6	7	3	258	March
April	6	7	7	5		5	7	6	6	2	4	9	5	7	4	6	3	5	3	4	8	5	2	116	April
May	4	5	4	2	6	8	4	6	8	2	3	7	2	2	7	3	2	8	5	3	1	4	9	105	May
June	5	8	6	11	6	9	11	7	11	5	5	6	7	5	6	2	6	1	3	4	1	4	7	136	June

July	5	8	4	15	7	4	2	9	3	6	3	7	5	7	6	4	5	12	4	8	4	6	6	140	July
August	10	9	8	5	9	5	8	9	10	3	12	6	11	8	10	6	13	3	8	6	6	7	8	180	August
September	14	9	7	11	7	6	10	7	7	4	7	2	6	5	6	5	9	4	7	7	9	2	3	154	September
October	8	6	7	8	8	7	8	5	2	9	7	7	6	6	10	4	3	6	6	9		6	5	143	October
November	4	8	11	15	9	8	8	8	6	7	5	8	2	6	10	4	4	9	5	3	4	6	2	152	November
December	11	9	11	9	10	11	15	4	4	2	6	9	4	3	10	5	5	3	6	3	4	11	3	158	December
total	97	92	88	105	95	95	95	84	81	60	71	80	148	70	84	57	75	68	66	64	49	66	58	1,848	total

Prefecture of fatal accidents in others 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	7	4	8	11	10	6	5	2	6	2	2	9	4	12	6	2	3	4	6	2	2	4	2	119	Hokkaido
Aomori			2	2	1		1		1	2	1		2	1	1	1	1		1	1	2			20	Aomori
Iwate	1	1	4	1			1	3				2	42			1	2	1	1		1			61	Iwate
Miyagi	2	2	1	1	2	1	1	2	1	1	2	2	39		2	1	3	2		1	3			69	Miyagi
Akita	1	1	1							2		1								1				7	Akita
Yamagata	1			2	1		1	2	1				1					1		1				11	Yamagata
Fukushima		2		4	1	5		1	1	1			3	1	1		1		1			1	4	27	Fukushima
Ibaraki	3	1	2	2	3	1		1			3	1	3		1	5	1	2				2	1	32	Ibaraki
Tochigi	2	2	4	1	2	4	4	1	2	3			1	1	1		3	1		2	1			35	Tochigi
Gunma	1	2		2	1		1		2	1	1	1			1	1	1	1	3	1		1	1	22	Gunma
Saitama	3	1	1	2	5	2	5	4	5	1	1	1	3	2	2	1	2		5	2		2	3	53	Saitama
Chiba	4	4	3	1	4		3	7	2	4	2	3	1	1	4	2	3	3	4	1	5	2	1	64	Chiba
Tokyo	17	10	10	14	8	21	10	17	9	8	7	12	14	12	8	6	8	10	7	13	4	5	13	243	Tokyo
Kanagawa	5	3	4	10	8	3	4	3	3	3	4	5	6	2	11	5	4	4	3	4	3	3	7	107	Kanagawa

Kochi			1	1		1		1			1			2										7	Kochi
Fukuoka	4	3	2	2	6	4	4	5	1	1	1	3	1	1	2	3	2	5	2	5	3	2	5	67	Fukuoka
Saga	1			4	1		1					1				1								9	Saga
Nagasaki		1	1		2	1	1		2		2	2	1		1	1		1	1					17	Nagasaki
Kumamoto	1	1	3		1	1	1				1			1					2	1				13	Kumamoto
Oita	1					3	4		1	1	1	1	1		1		1			2	1		1	19	Oita
Miyazaki	1	2	1		1	3		2	1			2		1	1	3								18	Miyazaki
Kagoshima		3	2	2	1	1	1		2			1			1			1	1		1	1		18	Kagoshima
Okinawa	2			1	3			1			3	1			1	1	2	1	2				1	19	Okinawa
total	97	92	88	105	95	95	95	84	81	60	71	80	148	70	84	57	75	68	66	64	49	66	58	1,848	total

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

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