

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

others industry Code No.1702

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	787	841	896	829	886	980	897	949	867	876	911	876	890	900	882	921	947	919	957	1,001	1,036	1,066	986	21,100	fall from height
falling to same level	1,001	1,052	1,277	1,123	1,196	1,263	1,333	1,365	1,278	1,424	1,362	1,457	1,585	1,628	1,517	1,647	1,605	1,727	1,831	2,035	1,908	1,917	2,287	34,818	falling to same level
crash	210	243	229	227	223	257	268	227	259	237	228	247	272	264	249	271	254	267	318	317	289	342	302	6,000	crash
struck by flying or falling object	283	274	250	258	252	227	255	221	201	203	187	206	221	192	211	188	170	193	190	181	180	179	161	4,883	struck by flying or falling object
collapse	56	72	78	64	77	88	66	82	71	77	78	46	68	73	73	81	58	73	69	80	66	53	65	1,614	collapse
crashed by	218	232	208	214	196	209	208	209	215	182	199	197	212	197	186	223	224	177	185	221	258	216	213	4,799	crashed by
caught in/between	478	496	491	508	520	512	491	480	433	419	411	451	376	397	402	396	354	390	397	387	411	383	366	9,949	caught in/between
cut	269	306	260	266	241	239	233	226	235	225	206	209	178	176	147	169	181	150	152	176	172	142	168	4,726	cut
injury to the sole of the foot	14	12	13	10	13	10	9	13	5	11	14	7	7	3	10	12	10	9	6	14	7	9	10	228	injury to the sole of the foot
drown	4	10	2	3	2	5	2	8	2	2	10	2	41	3	6	6	3	7	4	15	5	3	2	147	drown
contact to high/low-temperature	73	67	88	65	67	83	92	81	71	71	53	97	81	69	110	78	96	80	91	194	139	164	117	2,127	contact to high/low-temperature
contact to harmful	11	22	19	17	15	11	16	26	10	9	12	14	16	12	14	8	14	12	19	18	21	24	18	358	contact to harmful

substance																										substance
electric shock	14	8	12	5	10	13	9	7	6	11	6	7	4	6	9	4	3	4	6	15	6	7	3	175	electric shock	
explosion		1	5	2	3	4	3	3	2	1	2	1	4	6	7	1	5	3	2	4	2		3	64	explosion	
burst	1		2		3	1	1	3	2	5	2	1	4		3		2	1	2	2		3		38	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)	521	562	586	603	611	591	634	627	641	606	583	615	573	574	668	579	614	565	577	567	589	559	594	13,639	traffic accident (public road)	
traffic accident (others)	14	7	8	3	7	7	13	8	11	7	7	5	8	11	5	5	9	9	6	4	6	14	6	180	traffic accident (others)	
reaction to motion/improper motion	490	467	554	538	601	632	604	630	684	635	625	674	665	656	665	634	707	720	776	807	801	808	919	15,292	reaction to motion/improper motion	
others	84	140	90	84	97	89	107	95	96	82	95	92	165	98	87	95	94	107	102	121	110	274	1,008	3,412	others	
unclassifiable	50	39	48	54	39	46	25	29	34	28	33	17	13	25	31	24	22	20	25	21	26	15	14	678	unclassifiable	
total	4,583	4,852	5,119	4,874	5,060	5,267	5,269	5,293	5,123	5,114	5,027	5,222	5,388	5,292	5,282	5,343	5,374	5,433	5,716	6,181	6,033	6,179	7,243	124,267	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	352	358	317	353	332	317	309	309	266	270	277	259	260	241	235	216	237	203	204	220	218	231	203	6,187	machine
crane, conveying machine	1,016	1,071	1,082	1,129	1,098	1,139	1,135	1,098	1,065	1,043	1,033	1,036	1,000	1,012	1,117	987	1,030	956	996	1,000	1,040	1,061	1,065	24,209	crane, conveying machine
other equipment	693	741	783	708	750	841	856	824	846	813	822	894	868	832	851	862	824	889	926	941	990	954	1,029	19,537	other

																									equipment
temporary buildings, establishments	1,263	1,297	1,498	1,391	1,553	1,626	1,618	1,725	1,652	1,737	1,627	1,738	1,823	1,839	1,701	1,917	1,907	2,047	2,159	2,366	2,254	2,277	2,481	41,496	temporary buildings, establishments
substance, material	277	313	314	272	255	271	257	267	238	206	194	201	224	216	195	197	186	188	198	197	193	160	172	5,191	substance, material
load	238	240	280	250	291	280	272	271	290	244	244	235	234	266	252	242	268	260	258	265	270	262	251	5,963	load
environment	264	314	368	296	300	275	305	288	255	295	311	322	442	376	421	430	353	391	405	544	426	425	460	8,266	environment
others	480	518	477	475	481	518	517	511	511	506	519	537	537	510	510	492	569	499	570	648	642	809	1,582	13,418	others
total	4,583	4,852	5,119	4,874	5,060	5,267	5,269	5,293	5,123	5,114	5,027	5,222	5,388	5,292	5,282	5,343	5,374	5,433	5,716	6,181	6,033	6,179	7,243	124,267	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	3		2	2	1	3		1	4	1	1	2	2	1		1	1	3	32	engine
power transmission mechanism	14	10	14	15	10	13	10	9	5	8	9	8	6	18	6	4	11	8	12	8	4	6	7	215	power transmission mechanism
woodworking machine	43	59	36	54	41	41	37	45	38	35	36	36	24	31	24	28	29	23	31	32	28	37	32	820	woodworking machine
construction machine	115	113	120	115	115	117	114	105	86	102	102	94	99	71	87	77	89	78	69	74	63	81	55	2,141	construction machine
metal manufacturing machine	14	21	9	15	30	14	22	21	23	20	11	18	12	11	16	11	11	10	13	20	20	10	21	373	metal manufacturing machine

general machine	165	154	137	154	135	129	126	127	112	104	116	103	118	106	101	95	95	82	78	85	101	96	84	2,603	general machine	
mobile silviculture machine																				1	1		1	3		mobile silviculture machine
crane	59	59	51	55	66	57	70	50	37	49	44	38	45	34	48	29	41	43	36	37	39	39	32	1,058	crane	
conveying machine	389	383	388	395	381	391	363	348	319	337	307	335	320	314	343	300	302	284	323	315	330	405	381	7,953	conveying machine	
vehicle	568	629	643	679	651	691	702	700	709	657	682	663	635	664	726	658	687	629	637	648	671	617	652	15,198	vehicle	
pressure vessel	1	3	10	5	9	4	7	4	3	3	2	2	6	4	6	1	3	3	3	6	3	4	1	93	pressure vessel	
chemical facilities		1		1	2		3			2			1	1	1				1	1	2			16	chemical facilities	
welding equipment	3	1	5	4	2	6	5	2	1	2	3	2	1			2	1	4		2			1	47	welding equipment	
kiln, caldron	5	3	3	2	2	1	3	5	3	1	4		5	6		2	2		1	3	1	4	3	59	kiln, caldron	
electric equipment	20	13	15	15	15	20	17	13	13	21	21	17	15	14	19	14	16	21	17	25	12	28	25	406	electric equipment	
human power machine, tools	191	238	256	223	230	232	257	237	267	256	261	282	230	248	235	252	244	249	269	292	303	277	286	5,815	human power machine, tools	
tools	360	368	378	370	382	423	422	435	417	387	383	424	455	432	416	429	394	454	485	464	486	476	539	9,779	tools	
other equipments, facilities	113	114	116	88	108	155	142	128	142	141	148	167	155	127	174	162	164	158	150	148	183	165	174	3,322	other equipments, facilities	
temporary buildings, establishments	1,263	1,297	1,498	1,391	1,553	1,626	1,618	1,725	1,652	1,737	1,627	1,738	1,823	1,839	1,701	1,917	1,907	2,047	2,159	2,366	2,254	2,277	2,481	41,496	temporary buildings, establishments	

hazards, harmful substances	27	31	38	27	25	24	28	33	22	19	17	21	25	19	17	14	26	19	22	28	21	26	17	546	hazards, harmful substances
materials	250	282	276	245	230	247	229	234	216	187	177	180	199	197	178	183	160	169	176	169	172	134	155	4,645	materials
load	238	240	280	250	291	280	272	271	290	244	244	235	234	266	252	242	268	260	258	265	270	262	251	5,963	load
natural environment	264	314	368	296	300	275	305	288	255	295	311	322	442	376	421	430	353	391	405	544	426	425	460	8,266	natural environment
other causal agent	189	271	213	140	182	171	207	192	198	165	180	155	199	133	151	140	176	145	178	161	169	306	1,043	5,064	other causal agent
no causal agent	222	196	208	278	250	289	279	279	281	299	311	354	315	352	332	324	368	333	373	458	448	486	526	7,561	no causal agent
unclassifiable	69	51	56	57	49	58	31	40	32	42	28	28	23	25	27	28	25	21	19	29	25	17	13	793	unclassifiable
total	4,583	4,852	5,119	4,874	5,060	5,267	5,269	5,293	5,123	5,114	5,027	5,222	5,388	5,292	5,282	5,343	5,374	5,433	5,716	6,181	6,033	6,179	7,243	124,267	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	2	1	3		1	4	1	1	2	2	1		1	1	3	27	engine
power transmission mechanism			14		10		10	9	5	8	9	8	6	18	6	4	11	8	12	8	4	6	7	163	power transmission mechanism
circular sawing machine			17		25		18	23	23	18	15	17	14	12	12	7	10	7	11	9	14	12	9	273	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			2		1	2	9	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	11	12	13	12	12	11	189	chain saw
other woodworking machines			7		5		8	9	5	5	8	7	3	5	2	7	5	4	6	5	2	8	9	110	other woodworking machines
leveling, transporting or loading machine			15		19		22	16	11	19	11	13	17	15	11	9	14	8	13	10	6	14	7	250	leveling, transporting or loading machine
excavating machine			73		64		61	61	55	54	59	52	49	41	46	38	44	36	31	43	41	51	30	929	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			15		15		14	9	8	11	11	11	11	7	12	7	12	9	8	11	4	8	6	189	other construction machines
lathe			1				1	2		3	2		1	1		1			1		2			15	lathe
drill press, milling machine			3		3			2	1	1		3	3	1				1	1	2			1	22	drill press, milling machine
grinding machine,			2		9		6	3	13	5	2	5	5	6	7	5	3	5	6	7	11	3	7	110	grinding machine,



other mobile silviculture machine																							1	1	other mobile silviculture machine	
crane			12		13		25	18	12	13	7	5	9	6	13	5	7	11	6	8	10	6	6	192	crane	
mobile crane			26		30		29	13	10	18	18	19	21	12	20	11	18	16	20	19	16	21	11	348	mobile crane	
derrick crane										1														1	derrick crane	
elevator, lift			10		15		11	16	11	13	15	9	9	11	12	11	12	14	9	7	10	9	14	218	elevator, lift	
cargo lifting appliance											1	1	1		1									4	cargo lifting appliance	
gondola			1				2	2		1			3			1	1					1		12	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	1	1	52	other powered crane	
truck			256		238		243	230	206	230	222	215	213	215	241	197	221	209	234	221	207	281	266	4,345	truck	
forklift			80		73		56	50	60	54	49	68	53	45	51	45	47	47	50	59	73	76	65	1,101	forklift	
railway equipment							1	1				1		1			1		1		1		2	9	railway equipment	
conveyor			29		45		36	40	35	29	23	33	30	32	24	35	18	18	25	17	26	29	26	550	conveyor	
loader			1		1		2	1	2	6	2	2	2	2	2	1	1	1	2	3	1	1	2	35	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		22		24	26	16	15	11	15	22	19	23	22	11	9	11	15	22	18	20	342	other powered conveying machines	





hauling equipment			119		120		139	126	148	163	162	174	142	155	156	173	166	186	191	209	218	185	186	3,118	hauling equipment
human power machine			1		3		2	3		5	5	3	5	5	2	3	4	1	5		3	5	2	57	human power machine
hand tool			131		103		114	106	116	88	93	101	82	87	74	76	72	62	73	79	73	69	70	1,669	hand tool
ladder			227		226		240	242	249	214	229	255	263	279	246	254	222	251	260	257	250	265	272	4,701	ladder
slinging tool			4		10		9	6	4	5	5	9	3	5	3	3	3	1	2	2	1	2	5	82	slinging tool
other tools			147		146		173	187	164	168	149	160	189	148	167	172	169	202	223	205	235	209	262	3,475	other tools
other equipment, facilities			116		108		142	128	142	141	148	167	155	127	174	162	164	158	150	148	183	165	174	2,852	other equipment, facilities
scaffolding			20		14		15	12	19	9	18	5	12	10	13	17	13	9	15	17	10	10	18	256	scaffolding
timbering			2				1	2								1				1		2		9	timbering
stairs, landing stage			339		385		404	452	396	439	391	415	416	412	397	431	463	463	515	512	523	518	524	8,395	stairs, landing stage
opening			13		16		26	22	26	21	13	25	14	24	21	28	23	38	34	32	37	29	30	472	opening
roof, beam, haze, crossbeam, principal rafter			21		14		12	21	26	19	10	18	20	19	25	19	17	10	9	24	15	16	20	335	roof, beam, haze, crossbeam, principal rafter
working platform, boot board			137		167		144	129	143	160	132	146	151	138	129	138	160	151	178	221	165	177	160	2,926	working platform, boot board
passage			514		531		576	642	620	631	571	630	709	763	653	747	713	861	879	1,011	936	925	1,137	14,049	passage
building, establishment			282		232		249	255	239	269	292	290	313	279	270	269	276	272	304	302	304	309	326	5,332	building, establishment
other temporary buildings, establishments			170		194		191	190	183	189	200	209	188	194	193	267	242	243	225	246	264	291	266	4,145	other temporary buildings, establishments
explosive substance			3				1		1				1	1	2		1	2						12	explosive substance

inflammable substance			5	2	3	6	2	2	2	7	1	4	2	1	1		4	5	2	3	2	54	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	8	5	16	5	6	7	4	10	4	5	3	14	5	4	8	7	8	4	132	harmful substance
radiation																	2					2	radiation
other hazards, harmful substances			16	12	17	10	14	10	7	9	10	8	7	8	9	11	11	11	12	11	11	204	other hazards, harmful substances
metal material			141	115	102	123	96	98	86	85	89	100	79	85	77	86	89	79	89	61	76	1,756	metal material
lumber, bamboo			52	54	44	36	43	22	25	39	45	31	29	36	23	22	32	40	31	21	22	647	lumber, bamboo
stone, sand, substance			26	13	27	18	23	13	14	10	21	16	25	12	19	19	18	16	11	18	17	336	stone, sand, substance
other materials			57	48	56	57	54	54	52	46	44	50	45	50	41	42	37	34	41	34	40	882	other materials
load			241	253	228	248	265	220	222	200	213	217	221	219	244	234	231	238	242	240	241	4,417	load
machine/equipment as load			39	38	44	23	25	24	22	35	21	49	31	23	24	26	27	27	28	22	10	538	machine/equipment as load
natural ground, rock			89	74	67	68	71	87	82	59	68	83	76	71	72	67	74	68	76	65	72	1,389	natural ground, rock
standing tree			46	40	30	30	26	23	29	32	33	30	34	32	24	33	40	40	36	38	26	622	standing tree
water			9	12	4	20	11	12	18	9	88	8	18	13	14	13	6	21	6	10	10	302	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			30	21	33	38	29	28	16	65	36	46	85	51	66	52	58	162	117	136	101	1,170	high/cold temperature environment
other environments			192	151	167	126	117	144	166	154	213	200	203	262	177	225	226	250	188	175	247	3,583	other environments
other causal agent			213	182	207	192	198	165	180	155	199	133	151	140	176	145	178	161	169	306	1,043	4,293	other causal agent

no causal agent			208		250		279	279	281	299	311	354	315	352	332	324	368	333	373	458	448	486	526	6,576	no causal agent
unclassifiable			56		49		31	40	32	42	28	28	23	25	27	28	25	21	19	29	25	17	13	558	unclassifiable
total			5,119		5,060		5,269	5,293	5,123	5,114	5,027	5,222	5,388	5,292	5,282	5,343	5,374	5,433	5,716	6,181	6,033	6,179	7,243	104,691	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	96	94	88	77	90	77	73	57	50	74	57	43	45	43	51	62	70	53	60	69	67	60	43	1,499	19 years old or less
20-29	1,005	1,023	995	953	923	945	808	804	766	723	655	683	637	611	599	587	599	581	633	646	623	597	839	17,235	20-29
30-39	753	830	870	878	943	1,013	954	969	959	965	926	951	931	893	819	784	767	743	779	755	697	758	830	19,767	30-39
40-49	776	803	880	838	876	882	952	914	868	879	966	993	1,121	1,093	1,079	1,064	1,106	1,134	1,175	1,226	1,140	1,081	1,286	23,132	40-49
50-59	1,064	1,195	1,311	1,242	1,254	1,359	1,449	1,451	1,354	1,311	1,204	1,237	1,312	1,227	1,264	1,274	1,268	1,314	1,306	1,465	1,476	1,501	1,797	30,635	50-59
60 years old or more	889	907	975	886	974	991	1,033	1,098	1,126	1,162	1,219	1,315	1,342	1,425	1,470	1,572	1,564	1,608	1,763	2,020	2,030	2,182	2,448	31,999	60 years old or more
total	4,583	4,852	5,119	4,874	5,060	5,267	5,269	5,293	5,123	5,114	5,027	5,222	5,388	5,292	5,282	5,343	5,374	5,433	5,716	6,181	6,033	6,179	7,243	124,267	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	1,112	1,176	1,189	1,099	1,215	1,226	1,173	1,187	1,100	982	1,019	1,002	1,066	1,060	975	971	981	960	1,034	1,058	1,020	1,012	1,110	24,727	9 workers or less
10-29	1,144	1,204	1,288	1,243	1,204	1,241	1,313	1,317	1,178	1,190	1,153	1,256	1,285	1,219	1,237	1,229	1,223	1,221	1,296	1,365	1,406	1,366	1,638	29,216	10-29
30-49	636	690	721	693	713	742	674	701	734	754	760	731	760	763	787	793	830	811	852	940	895	1,019	1,012	18,011	30-49
50-99	625	593	682	649	717	739	794	718	705	706	751	773	806	784	755	791	787	850	880	957	939	985	1,163	18,149	50-99
100-299	642	677	730	732	725	803	781	814	804	788	757	878	822	888	919	925	923	940	980	1,165	1,031	1,079	1,450	20,253	100-299

300 workers or more	424	512	509	458	486	516	534	556	602	694	587	582	649	578	609	634	630	651	674	696	742	718	870	13,911	300 workers or more
total	4,583	4,852	5,119	4,874	5,060	5,267	5,269	5,293	5,123	5,114	5,027	5,222	5,388	5,292	5,282	5,343	5,374	5,433	5,716	6,181	6,033	6,179	7,243	124,267	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	341	362	501	388	468	465	438	477	430	466	446	437	545	501	517	435	507	527	550	643	523	514	695	11,176	January
February	397	425	428	397	403	473	471	446	426	528	440	465	438	545	454	562	454	493	478	516	477	482	581	10,779	February
March	369	410	450	409	425	478	451	490	418	405	439	443	537	459	442	457	438	447	467	489	448	466	540	10,377	March
April	345	356	383	392	398	391	401	374	373	398	405	394	346	406	390	384	417	433	402	428	511	453	565	9,345	April
May	361	399	386	383	382	380	395	387	434	426	363	400	390	392	417	418	418	442	413	495	459	407	710	9,657	May
June	400	411	420	365	425	423	445	419	416	427	418	460	470	424	423	414	426	448	490	501	490	538	542	10,195	June
July	392	382	404	459	439	460	461	488	432	453	442	444	426	471	467	467	496	425	507	602	591	576	704	10,988	July
August	401	449	408	414	442	445	452	488	481	421	420	453	467	436	449	451	474	448	480	522	568	572	756	10,897	August
September	423	470	442	410	422	460	452	451	414	405	383	436	484	412	406	440	422	457	474	505	528	539	552	10,387	September
October	402	410	452	460	449	466	442	456	446	408	470	452	435	424	484	451	472	453	519	546	487	541	559	10,684	October
November	393	392	445	393	386	435	400	428	448	400	402	418	432	410	406	425	451	447	464	487	511	538	492	10,003	November
December	359	386	400	404	421	391	461	389	405	377	399	420	418	412	427	439	399	413	472	447	440	553	547	9,779	December
total	4,583	4,852	5,119	4,874	5,060	5,267	5,269	5,293	5,123	5,114	5,027	5,222	5,388	5,292	5,282	5,343	5,374	5,433	5,716	6,181	6,033	6,179	7,243	124,267	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	278	285	318		257		235	235	262	216	228	257	247	236	270	248	247	266	258	271	261	310	347	5,532	Hokkaido



Kyoto	75	90	108		105		83	107	83	102	112	117	117	91	107	100	112	101	106	103	99	99	130	2,147	Kyoto
Osaka	528	636	630		661		742	653	630	625	616	587	586	571	552	596	677	588	662	630	680	654	804	13,308	Osaka
Hyogo	243	210	233		209		235	211	211	231	212	222	198	220	218	249	260	241	237	262	249	251	260	4,862	Hyogo
Nara	25	36	40		26		48	45	36	46	59	38	41	48	40	39	52	59	58	80	57	58	58	989	Nara
Wakayama	46	21	35		37		40	43	52	54	38	31	45	34	50	31	41	39	40	51	36	48	34	846	Wakayama
Tottori	17	16	14		18		8	14	13	15	11	11	12	7	18	11	8	10	14	9	15	16	17	274	Tottori
Shimane	36	26	31		38		37	38	31	23	28	25	32	26	19	27	16	23	24	27	27	29	38	601	Shimane
Okayama	53	61	50		47		82	72	44	58	69	58	74	59	59	48	65	56	66	78	74	65	102	1,340	Okayama
Hiroshima	145	150	178		93		136	114	100	131	110	112	122	114	110	131	104	123	125	114	111	149	192	2,664	Hiroshima
Yamaguchi	33	38	49		35		39	45	56	35	35	60	46	42	39	46	34	30	44	49	42	44	53	894	Yamaguchi
Tokushima	33	34	41		28		24	29	24	29	23	23	10	35	34	28	26	23	28	31	25	31	39	598	Tokushima
Kagawa	43	29	36		36		39	53	46	37	51	38	36	41	40	55	60	47	54	56	53	81	44	975	Kagawa
Ehime	66	69	63		74		67	45	51	54	44	65	45	54	48	39	29	39	36	52	63	43	51	1,097	Ehime
Kochi	51	76	52		52		66	38	34	33	48	38	55	49	45	49	39	45	49	39	40	26	48	972	Kochi
Fukuoka	147	156	212		175		195	212	165	145	155	202	206	226	215	203	207	204	220	279	267	245	284	4,320	Fukuoka
Saga	40	24	32		29		37	38	33	53	40	39	37	42	34	33	30	45	37	33	32	45	39	772	Saga
Nagasaki	38	42	52		56		46	55	55	58	75	58	64	68	72	61	56	59	56	51	51	75	95	1,243	Nagasaki
Kumamoto	66	58	62		80		59	71	81	58	71	63	79	78	91	73	75	100	91	87	91	113	110	1,657	Kumamoto
Oita	46	42	52		41		44	30	35	30	38	30	31	30	24	34	38	21	33	37	32	35	33	736	Oita
Miyazaki	71	74	54		60		59	63	64	60	71	75	75	63	57	69	58	59	42	50	47	59	70	1,300	Miyazaki
Kagoshima	49	68	72		76		56	80	77	70	62	70	59	46	45	35	48	52	58	55	56	80	71	1,285	Kagoshima
Okinawa	72	62	68		77		53	66	63	93	83	66	79	72	64	78	76	88	77	92	89	94	109	1,621	Okinawa
total	4,583	4,852	5,119		5,060		5,269	5,293	5,123	5,114	5,027	5,222	5,388	5,292	5,282	5,343	5,374	5,433	5,716	6,181	6,033	6,179	7,243	114,126	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](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.1702

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	18	9	18	10	10	14	11	6	9	12	6	17	9	9	14	7	11	6	251	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				1						1											1		4	crash	
struck by flying or falling object	1	1		2	4		1					2	1	1	2		1			1	1	2	1	21	struck by flying or falling object	
collapse	1	1	2	1	2		1	2	1		1	2	2			2	1		1			1		21	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	4	13	9	10	11	16	9	7	5	3	7	6	5	5	4	4	6	7	3	3	6	5	155	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	42	3	6	5	2	7	6	6	5	2	2	131	drown	



contact to high/low-temperature		1			1	1	1	1	3	2	2	5	3	2	2	1	7	1	2	5	5	1	1	47	contact to high/low-temperature
contact to harmful substance		1	1	3	2				1								1				2	3	1	15	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	63	50	37	43	27	38	29	30	33	25	28	41	24	20	27	23	20	16	22	18	770	traffic accident (public road)
traffic accident (others)	1		2	1		1	2						2	3					2		1			15	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	8	11	10	7	6	4	3	13	171	others
unclassifiable		1		2	1		1		1			1		1	3	1							1	13	unclassifiable
total	97	90	88	104	93	91	88	77	76	58	71	80	145	67	83	55	69	66	64	62	49	61	55	1,789	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	5	5	10	5	7	9	6	7	7	4	7	6	4	5	1	2	2	3	2	2	6	3	113	machine
crane, conveying machine	72	58	57	71	58	51	61	41	43	36	41	39	34	35	51	29	26	36	32	24	24	29	23	971	crane, conveying machine

other equipment	1	6	7	7	8	8	3	3	2	2	2	5	1	5	3	1	4		6	8	1	4	3	90	other equipment
temporary buildings, establishments	14	8	8	7	7	11	6	11	9	10	9	9	4	7	8	8	8	8	7	9	7	6	7	188	temporary buildings, establishments
substance, material		1	1		2		1	2				1				2	1			1	3	1	16	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	8	7	2	14	8	88	6	11	7	15	9	8	12	10	7	4	257	environment
others	1	3	1	3	4	7	5	5	7	1	1	10	10	10	5	9	11	10	7	6	4	5	14	139	others
total	97	90	88	104	93	91	88	77	76	58	71	80	145	67	83	55	69	66	64	62	49	61	55	1,789	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	power transmission mechanism
woodworking machine																										woodworking machine
construction machine	5	5	5	9	4	3	8	5	6	5	4	7	5	2	4	1	2	1	3	1	1	4	3	93	construction machine	
metal manufacturing machine																							1		1	metal manufacturing machine
general machine				1	1	4	1	1	1	1			1	2	1			1		1		1		17	general machine	
mobile silviculture machine																					1				1	mobile silviculture machine

crane	2	2	3	4	3	1		2		4	1	1	3	1	2	1	2	5	2	1	2	1	1	44	crane
conveying machine	29	21	19	24	16	19	27	14	15	9	15	18	11	7	16	12	9	13	15	8	7	14	12	350	conveying machine
vehicle	41	35	35	43	39	31	34	25	28	23	25	20	20	27	33	16	15	18	15	15	15	14	10	577	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	1	1			1	2	1	1	1				2	1				19	other equipments, facilities
temporary buildings, establishments	14	8	8	7	7	11	6	11	9	10	9	9	4	7	8	8	8	8	7	9	7	6	7	188	temporary buildings, establishments
hazards, harmful substances		1	1		2								1				1	1			1	3	1	12	hazards, harmful substances
materials							1	2									1							4	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	8	7	2	14	8	88	6	11	7	15	9	8	12	10	7	4	257	natural environment
other causal agent		2	1	2	3	6	2	1				1	1			1				1		2	10	33	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	90	88	104	93	91	88	77	76	58	71	80	145	67	83	55	69	66	64	62	49	61	55	1,789	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	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
excavating machine	2		3	3	1	2	3	3	2	3		3	3	1	1				1			2	1	34	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																									injection molding machine	
food manufacturing machine																									food manufacturing machine	
printing machine																									printing machine	
industrial robot																									industrial robot	
other general power machines				1	4			1	1					1	2	1			1		1				13	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							4	crane
mobile crane	2		1	3	1					2			1	1	1	1				1	1				15	mobile crane
derrick crane																									derrick crane	
elevator, lift			2	1	2	1		2		2	1	1	1				1	4	2	1	1		1		23	elevator, lift
cargo lifting appliance																									cargo lifting appliance	
gondola																									gondola	
lumberyard equipment, logging cableway																									lumberyard equipment, logging	







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	6	4	5	6	2	2	3	4	3	4	4	2	5	4		1	85	building, establishment
other temporary buildings, establishments			1	1	2	1			2	1		3		2	1	1			1	1	1	1	1	20	other temporary buildings, establishments
explosive substance																									explosive substance
inflammable substance																									inflammable substance
inflammable gas													1											1	inflammable gas
harmful substance		1	1		2											1						3	1	9	harmful substance
radiation																									radiation
other hazards, harmful substances																	1				1			2	other hazards, harmful substances
metal material																1								1	metal material
lumber, bamboo																									lumber, bamboo
stone, sand, substance							1	1																2	stone, sand, substance



40-49	18	13	6	22	15	15	17	9	12	8	9	19	28	18	14	10	9	7	12	16	13	7	8	305	40-49
50-59	22	25	24	27	27	25	32	21	26	20	24	19	36	15	12	9	20	23	10	11	12	7	10	457	50-59
60 years old or more	23	22	30	26	26	27	25	31	22	17	17	28	38	21	43	21	22	20	34	26	22	35	32	608	60 years old or more
total	97	90	88	104	93	91	88	77	76	58	71	80	145	67	83	55	69	66	64	62	49	61	55	1,789	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	21	24	22	17	18	14	14	18	13	11	17	57	17	24	14	22	14	9	9	8	9	9	404	9 workers or less
10-29	21	26	23	23	21	26	29	20	21	8	20	30	44	14	15	11	15	20	19	17	17	22	11	473	10-29
30-49	14	12	18	18	24	15	13	10	16	17	18	12	17	13	19	10	9	19	10	13	11	10	6	324	30-49
50-99	19	11	13	21	14	8	8	14	7	11	13	6	10	10	6	6	11	4	12	11	5	10	11	241	50-99
100-299	14	19	8	13	11	18	17	15	9	7	9	7	11	10	10	9	8	5	8	8	6	10	13	245	100-299
300 workers or more	6	1	2	7	6	6	7	4	5	2		8	6	3	9	5	4	4	6	4	2		5	102	300 workers or more
total	97	90	88	104	93	91	88	77	76	58	71	80	145	67	83	55	69	66	64	62	49	61	55	1,789	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	6	5	4	7	10	5	5	6	5	4	8	7	6	5	5	8	3	8	5	1	3	6	129	January
February	17	4	7	8	13	11	11	7	9	5	6	5	5	8	5	4	8	7	8	8	5	4	4	169	February
March	6	12	11	12	13	10	5	10	8	9	9	6	86	7	5	8	8	7	2	3	6	6	3	252	March
April	6	7	7	5		5	6	5	6	1	4	9	5	7	4	6	2	4	3	4	8	4	1	109	April
May	4	5	4	2	6	8	4	6	8	2	3	7	2	2	7	3	2	8	5	3	1	4	7	103	May
June	5	8	6	10	6	7	10	7	9	5	5	6	7	5	6	2	5	1	3	4	1	4	7	129	June

July	5	8	4	15	7	4	1	9	3	6	3	7	4	7	6	4	4	12	4	8	4	6	6	137	July
August	10	9	8	5	9	5	8	6	10	3	12	6	11	5	9	6	13	3	7	6	6	6	8	171	August
September	14	9	7	11	7	6	10	6	7	4	7	2	6	5	6	4	8	4	7	7	9	2	3	151	September
October	8	6	7	8	7	7	8	5	1	9	7	7	6	6	10	4	3	6	6	8		6	5	140	October
November	4	8	11	15	8	8	8	8	5	7	5	8	2	6	10	4	3	8	5	3	4	6	2	148	November
December	11	8	11	9	10	10	12	3	4	2	6	9	4	3	10	5	5	3	6	3	4	10	3	151	December
total	97	90	88	104	93	91	88	77	76	58	71	80	145	67	83	55	69	66	64	62	49	61	55	1,789	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	1	2	9	3	9	6	2	3	4	6	2	2	4	2	114	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		2	2	37		2	1	3	2		1	3			66	Miyagi
Akita	1	1	1							2		1								1				7	Akita
Yamagata	1			2	1			2	1				1					1		1				10	Yamagata
Fukushima		2		4	1	4		1	1	1			3	1	1		1					1	4	25	Fukushima
Ibaraki	3	1	2	1	2	1		1			3	1	3		1	5	1	2				2	1	30	Ibaraki
Tochigi	2	2	4	1	2	4	3	1	2	3			1	1	1		2	1		2	1			33	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	3	4	1	1	1	3	2	2	1	1		5	2		1	2	48	Saitama
Chiba	4	4	3	1	4		3	6	1	4	2	3	1	1	4	2	3	3	4	1	5	2	1	62	Chiba
Tokyo	17	10	10	14	8	21	9	17	9	8	7	12	14	12	8	6	8	9	7	13	4	5	12	240	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	5	4	4	4	1	1	1	3	1	1	2	2	2	5	2	5	3	2	5	64	Fukuoka
Saga	1			4	1							1				1								8	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					12	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	90	88	104	93	91	88	77	76	58	71	80	145	67	83	55	69	66	64	62	49	61	55	1,789	total

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

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