

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

others industry Code No.170209

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	666	707	748	693	722	820	743	778	703	708	722	684	721	714	703	737	754	743	746	789	819	819	753	16,992	fall from height
falling to same level	758	775	937	812	893	927	985	1,002	896	953	935	1,026	1,116	1,132	1,020	1,123	1,103	1,146	1,199	1,319	1,229	1,189	1,449	23,924	falling to same level
crash	169	183	176	178	178	190	221	182	194	175	178	208	210	203	188	207	194	201	243	236	222	230	210	4,576	crash
struck by flying or falling object	245	246	206	212	214	195	223	191	156	170	158	175	186	163	175	158	136	158	149	148	155	152	129	4,100	struck by flying or falling object
collapse	50	64	66	54	66	68	52	68	57	64	65	37	60	66	61	68	48	60	53	67	50	48	51	1,343	collapse
crashed by	152	153	140	134	134	134	137	150	149	101	113	126	143	132	121	157	140	109	123	149	178	144	142	3,161	crashed by
caught in/between	377	398	382	397	416	385	378	371	339	317	310	353	268	313	304	309	273	300	316	321	322	302	286	7,737	caught in/between
cut	257	290	249	250	229	223	225	214	218	213	193	198	166	169	137	156	167	141	138	165	158	134	157	4,447	cut
injury to the sole of the foot	13	11	11	9	13	7	8	10	3	6	11	5	6	3	8	11	10	9	5	10	5	7	8	189	injury to the sole of the foot
drown	2	10	2	3	2	4	2	5		2	10	2	31	3	6	5	1	5	2	4	2	1	1	105	drown
contact to high/low-temperature	67	60	76	56	58	66	76	60	58	53	44	52	61	42	49	54	55	46	50	82	66	76	48	1,355	contact to high/low-temperature
contact to harmful	11	21	16	16	13	10	13	23	7	7	10	12	15	11	14	8	12	10	18	16	16	20	16	315	contact to harmful

substance																										substance
electric shock	14	8	12	5	10	12	8	7	6	11	6	7	3	6	9	3	3	3	5	14	6	6	3	167	electric shock	
explosion		1	5	2	3	4	3	3	2	1	2	1	4	6	7		4	3	2	4	2		2	61	explosion	
burst	1		1		3	1	1	3	2	5	2	1	3		3		2	1	2	2		3		36	burst	
fire	4	1	3	1	1		2	2		1	3		5	2		1	2			1	1	1	1	32	fire	
traffic accident (public road)	290	315	322	322	367	371	365	346	349	342	324	365	339	319	400	351	368	327	315	318	337	316	308	7,776	traffic accident (public road)	
traffic accident (others)	10	2	3	2	7	4	9	6	6	4	5	1	6	7	4	2	4	4	1	2	5	5	3	102	traffic accident (others)	
reaction to motion/improper motion	406	378	446	420	471	488	473	484	534	472	494	515	524	497	492	458	537	525	574	582	566	594	668	11,598	reaction to motion/improper motion	
others	57	104	56	56	52	55	68	70	59	52	63	61	130	62	66	65	65	79	64	77	79	228	787	2,455	others	
unclassifiable	23	25	24	29	12	24	13	16	17	17	21	5	7	13	23	13	14	12	16	12	17	8	7	368	unclassifiable	
total	3,572	3,752	3,881	3,651	3,864	3,988	4,005	3,991	3,755	3,674	3,669	3,834	4,004	3,863	3,790	3,886	3,892	3,882	4,021	4,318	4,235	4,283	5,029	90,839	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	274	263	224	262	251	230	221	225	198	187	192	182	182	185	173	157	168	147	148	174	173	176	161	4,553	machine
crane, conveying machine	703	708	719	718	772	791	772	707	675	667	645	678	658	651	705	663	649	604	621	625	662	676	638	15,707	crane, conveying machine
other equipment	602	665	684	608	637	723	733	730	720	670	686	759	725	683	693	724	697	722	753	773	830	762	823	16,402	other

																									equipment
temporary buildings, establishments	942	963	1,098	1,032	1,162	1,197	1,213	1,268	1,173	1,188	1,145	1,244	1,315	1,297	1,190	1,326	1,363	1,426	1,467	1,587	1,480	1,439	1,567	29,082	temporary buildings, establishments
substance, material	249	277	266	235	221	232	218	221	190	162	162	171	190	185	165	160	152	154	152	163	153	132	141	4,351	substance, material
load	205	212	246	206	254	244	238	243	236	203	215	215	210	241	222	201	234	217	219	224	226	235	215	5,161	load
environment	235	271	295	246	235	222	220	222	191	222	248	218	328	270	270	309	229	262	280	331	270	271	301	5,946	environment
others	362	393	349	344	332	349	390	375	372	375	376	367	396	351	372	346	400	350	381	441	441	592	1,183	9,637	others
total	3,572	3,752	3,881	3,651	3,864	3,988	4,005	3,991	3,755	3,674	3,669	3,834	4,004	3,863	3,790	3,886	3,892	3,882	4,021	4,318	4,235	4,283	5,029	90,839	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				3		2	2	1	2		1	4	1	1	2	1	1		1	1	3	28	engine
power transmission mechanism	13	9	12	15	10	13	10	9	5	8	9	7	5	18	6	4	11	8	12	8	4	6	7	209	power transmission mechanism
woodworking machine	41	56	34	52	41	40	36	43	38	33	34	35	24	31	24	26	27	21	30	31	27	35	31	790	woodworking machine
construction machine	41	24	36	29	44	36	35	28	23	28	27	25	23	19	30	22	30	28	18	35	23	33	19	656	construction machine
metal manufacturing machine	14	21	9	15	29	13	20	21	22	19	11	16	12	10	15	11	11	10	13	20	20	8	21	361	metal manufacturing machine

general machine	164	152	133	151	127	125	120	122	108	98	109	99	117	103	97	93	87	79	74	79	97	93	80	2,507	general machine
mobile silviculture machine																				1	1			2	mobile silviculture machine
crane	57	49	47	44	60	50	64	43	33	43	38	32	39	30	38	25	32	36	32	32	37	31	28	920	crane
conveying machine	311	299	296	287	303	300	284	266	241	249	222	249	232	224	243	232	197	200	219	213	240	291	256	5,854	conveying machine
vehicle	335	360	376	387	409	441	424	398	401	375	385	397	387	397	424	406	420	368	370	380	385	354	354	8,933	vehicle
pressure vessel	1	2	9	5	9	4	7	4	3	3	1	2	5	4	6	1	3	3	3	6	3	4	1	89	pressure vessel
chemical facilities		1			2		2			1			1	1	1				1	1	1			12	chemical facilities
welding equipment	3	1	5	4	2	6	5	2	1	2	2	2	1			2	1	4		2			1	46	welding equipment
kiln, caldron	5	3	3	2	1	1	3	5	2	1	4		5	6		2	2		1	3	1	4	3	57	kiln, caldron
electric equipment	19	12	14	10	15	15	14	12	11	17	16	15	8	13	15	12	12	13	15	21	9	25	23	336	electric equipment
human power machine, tools	168	218	226	190	195	200	218	211	229	206	219	240	187	201	188	206	202	194	211	230	238	191	214	4,782	human power machine, tools
tools	314	328	328	325	317	365	363	381	350	322	327	366	388	356	343	364	343	380	398	388	417	406	437	8,306	tools
other equipments, facilities	92	100	99	72	96	132	121	115	124	118	117	134	130	102	140	137	134	128	124	122	161	132	144	2,774	other equipments, facilities
temporary buildings, establishments	942	963	1,098	1,032	1,162	1,197	1,213	1,268	1,173	1,188	1,145	1,244	1,315	1,297	1,190	1,326	1,363	1,426	1,467	1,587	1,480	1,439	1,567	29,082	temporary buildings, establishments

hazards, harmful substances	25	27	34	25	23	22	25	27	19	15	15	19	25	18	17	13	25	17	19	27	19	23	16	495	hazards, harmful substances
materials	224	250	232	210	198	210	193	194	171	147	147	152	165	167	148	147	127	137	133	136	134	109	125	3,856	materials
load	205	212	246	206	254	244	238	243	236	203	215	215	210	241	222	201	234	217	219	224	226	235	215	5,161	load
natural environment	235	271	295	246	235	222	220	222	191	222	248	218	328	270	270	309	229	262	280	331	270	271	301	5,946	natural environment
other causal agent	141	211	158	111	137	127	157	147	161	128	142	101	150	100	117	108	126	98	126	119	126	254	813	3,858	other causal agent
no causal agent	182	145	156	198	173	194	212	202	191	216	216	257	233	240	233	220	255	237	242	302	298	326	360	5,288	no causal agent
unclassifiable	39	37	35	35	22	28	21	26	20	31	18	9	13	11	22	18	19	15	13	20	17	12	10	491	unclassifiable
total	3,572	3,752	3,881	3,651	3,864	3,988	4,005	3,991	3,755	3,674	3,669	3,834	4,004	3,863	3,790	3,886	3,892	3,882	4,021	4,318	4,235	4,283	5,029	90,839	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								2	2	1	2		1	4	1	1	2	1	1		1	1	3	23	engine
power transmission mechanism			12		10		10	9	5	8	9	7	5	18	6	4	11	8	12	8	4	6	7	159	power transmission mechanism
circular sawing machine			16		25		17	23	23	17	14	16	14	12	12	6	9	7	11	9	13	11	9	264	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

machine																									machine
other mobile silviculture machine																									other mobile silviculture machine
crane			12		13		25	17	11	13	6	5	8	6	11	4	5	9	6	7	10	6	6	180	crane
mobile crane			23		26		23	9	7	13	15	17	19	11	13	9	13	13	17	15	14	16	10	283	mobile crane
derrick crane										1														1	derrick crane
elevator, lift			9		13		11	14	11	12	14	7	8	9	11	11	10	13	8	7	10	6	11	195	elevator, lift
cargo lifting appliance											1	1	1		1									4	cargo lifting appliance
gondola			1				2	2		1			1				1					1		9	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	2	2	2	4	2	1	3	1	1	3	3	1	1	47	other powered crane
truck			168		172		172	154	135	151	141	138	132	131	149	136	123	131	136	131	131	177	148	2,756	truck
forklift			78		69		53	50	56	52	46	64	52	44	47	42	45	47	49	52	67	69	62	1,044	forklift
railway equipment							1	1				1		1					1				2	7	railway equipment
conveyor			28		44		34	37	35	28	23	33	28	32	24	34	16	17	24	17	26	29	26	535	conveyor
loader			1		1		2	1	2	4	2	1	2	2	2	1	1	1	2	2	1	1	2	31	loader
straddle carrier																	2							2	straddle carrier
rough terrain hauler			1		2		1								2		1							7	rough terrain hauler
other powered			20		15		21	23	13	14	10	12	18	14	19	19	9	4	7	11	15	15	16	275	other powered

conveying machines																									conveying machines
cars, bus, motorcycle			338		384		392	367	373	344	358	373	359	362	399	384	404	353	350	352	356	338	336	6,922	cars, bus, motorcycle
railway vehicle			1			6		2	4	2	2	1	2	1	4	1	5	2	2	5	2	1	43	railway vehicle	
other vehicles			37		25		26	31	26	27	25	22	27	33	24	18	15	10	18	26	24	14	17	445	other vehicles
boiler			2			4		1				1	3	1			1				2	1		16	boiler
pressure vessel			3		1		1						1	2		1	2	3	2					16	pressure vessel
other pressure vessels			4		8		3	3	2	3	1	1	2	2	4	1	1	1		4	1	3	1	45	other pressure vessels
chemical facilities					2		2			1			1	1	1				1	1	1			11	chemical facilities
gas welding equipment			1		1		1			2	1					2		2		1				11	gas welding equipment
arc welding equipment			4			2	1	1			1		1				1	2		1			1	15	arc welding equipment
other welding equipment					1		2	1				2												6	other welding equipment
kiln, caldron			3		1		3	4	1	1	3		3	3		1	2			3	1	4	1	34	kiln, caldron
industrial dryer									1					3									2	6	industrial dryer
other kiln, caldron							1			1		2			1			1						6	other kiln, caldron
transmission			4		6		4	2	3	8	7	5	2	6	3	5		6	4	7	5	10	16	103	transmission
electric power facilities			3		7		5	4	4	5	5	4	3	7	8	3	6	5	6	11	3	6	2	97	electric power facilities
other electrical equipment			7		2		5	6	4	4	4	6	3		4	4	6	2	5	3	1	9	5	80	other electrical equipment
human power			5		4		2	2	3		1	3	1	1	3		1			4	8	13	24	75	human power

cranes																									cranes
human power hauling equipment			91		88		104	103	116	116	123	137	101	111	113	129	127	136	140	149	157	107	121	2,269	human power hauling equipment
human power machine			1		3		2	3		5	3	3	4	5	2	3	3		4		2	5	2	50	human power machine
hand tool			129		100		110	103	110	85	92	97	81	84	70	74	71	58	67	77	71	66	67	1,612	hand tool
ladder			200		191		205	207	210	184	196	216	225	240	208	223	201	222	231	226	225	240	240	4,090	ladder
slinging tool			4		8		8	6	4	4	4	8	1	3	3	3	3	1	1	2	1	2	5	71	slinging tool
other tools			124		118		150	168	136	134	127	142	162	113	132	138	139	157	166	160	191	164	192	2,813	other tools
other equipment, facilities			99		96		121	115	124	118	117	134	130	102	140	137	134	128	124	122	161	132	144	2,378	other equipment, facilities
scaffolding			17		13		13	11	17	8	15	3	11	10	12	14	12	7	12	14	10	7	17	223	scaffolding
timbering			1				1									1				1		2		6	timbering
stairs, landing stage			255		319		320	366	318	342	296	320	327	311	317	336	361	364	387	382	388	379	388	6,476	stairs, landing stage
opening			5		8		17	18	13	12	10	16	10	16	13	16	17	22	19	17	19	17	15	280	opening
roof, beam, haze, crossbeam, principal rafter			19		12		12	20	22	19	9	16	20	19	21	18	16	9	8	24	15	15	19	313	roof, beam, haze, crossbeam, principal rafter
working platform, boot board			109		132		118	102	99	120	95	107	114	105	100	98	122	110	139	151	108	122	106	2,157	working platform, boot board
passage			369		382		407	453	437	402	397	435	482	521	439	470	488	577	579	646	578	528	670	9,260	passage
building, establishment			199		163		192	170	149	168	189	205	220	181	172	197	195	169	193	189	194	181	203	3,529	building, establishment
other temporary buildings, establishments			124		133		133	128	118	117	134	142	131	134	116	176	152	168	130	163	168	188	149	2,704	other temporary buildings, establishments

explosive substance			3			1		1			1	1	2		1	2						12	explosive substance	
inflammable substance			5		2	3	3	2	2	2	7	1	4	2	1	1		1	5	2	3	2	48	inflammable substance
inflammable gas			4		3	2	1			1	1	3	2	1	1	1	1	1	4		4		30	inflammable gas
harmful substance			7		6	4	15	2	5	5	3	10	3	5	3	14	4	4	7	6	6	3	112	harmful substance
radiation																	2					2	radiation	
other hazards, harmful substances			15		12	15	8	14	8	7	8	10	8	7	8	8	10	11	11	11	10	11	192	other hazards, harmful substances
metal material			118		96	86	103	76	78	71	71	70	85	61	71	58	68	59	59	70	49	65	1,414	metal material
lumber, bamboo			47		47	39	30	38	19	22	33	42	25	27	29	19	21	28	36	26	17	19	564	lumber, bamboo
stone, sand, substance			19		10	19	12	14	9	12	8	17	15	20	8	12	15	12	14	7	11	12	246	stone, sand, substance
other materials			48		45	49	49	43	41	42	40	36	42	40	39	38	33	34	27	31	32	29	738	other materials
load			212		220	196	222	217	182	198	182	190	195	196	183	213	196	199	201	200	216	208	3,826	load
machine/equipment as load			34		34	42	21	19	21	17	33	20	46	26	18	21	21	20	23	26	19	7	468	machine/equipment as load
natural ground, rock			73		64	55	54	55	75	74	51	56	72	61	62	55	49	64	58	59	58	58	1,153	natural ground, rock
standing tree			43		38	28	28	24	22	28	32	27	28	31	27	24	25	36	34	32	33	25	565	standing tree
water			9		12	4	17	5	11	17	4	75	8	12	9	7	10	4	10	5	6	5	230	water
abnormal environment			2		2	2	6	1	1		2	2	7	5	1		1	1	2	1		1	37	abnormal environment
high/cold temperature environment			14		12	17	18	14	11	9	16	17	16	22	25	23	18	16	44	38	46	29	405	high/cold temperature environment

other environments			154		107		114	99	92	102	120	113	151	139	139	185	120	159	159	183	135	128	183	2,582	other environments
other causal agent			158		137		157	147	161	128	142	101	150	100	117	108	126	98	126	119	126	254	813	3,268	other causal agent
no causal agent			156		173		212	202	191	216	216	257	233	240	233	220	255	237	242	302	298	326	360	4,569	no causal agent
unclassifiable			35		22		21	26	20	31	18	9	13	11	22	18	19	15	13	20	17	12	10	352	unclassifiable
total			3,881		3,864		4,005	3,991	3,755	3,674	3,669	3,834	4,004	3,863	3,790	3,886	3,892	3,882	4,021	4,318	4,235	4,283	5,029	75,876	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	63	73	62	55	66	57	57	43	39	65	46	34	38	36	37	56	64	45	44	55	56	47	26	1,164	19 years old or less
20-29	765	798	761	704	696	748	649	633	594	545	522	535	507	486	477	470	489	468	517	514	502	472	686	13,538	20-29
30-39	604	668	687	672	770	783	766	786	743	744	697	744	730	687	620	615	591	566	594	572	526	584	630	15,379	30-39
40-49	642	638	689	670	691	661	728	725	671	642	723	770	850	856	810	809	848	865	902	943	887	808	950	17,778	40-49
50-59	835	898	973	923	940	1,017	1,064	1,059	949	917	855	895	984	851	908	927	964	945	932	1,059	1,066	1,105	1,309	22,375	50-59
60 years old or more	663	677	709	627	701	722	741	745	759	761	826	856	895	947	938	1,009	936	993	1,032	1,175	1,198	1,267	1,428	20,605	60 years old or more
total	3,572	3,752	3,881	3,651	3,864	3,988	4,005	3,991	3,755	3,674	3,669	3,834	4,004	3,863	3,790	3,886	3,892	3,882	4,021	4,318	4,235	4,283	5,029	90,839	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	1,025	1,072	1,088	1,008	1,121	1,128	1,069	1,082	985	870	924	920	979	967	885	896	897	868	930	960	919	916	1,015	22,524	9 workers or less
10-29	906	953	1,018	979	976	1,016	1,022	1,043	931	926	936	1,000	1,068	986	996	1,001	989	981	1,029	1,065	1,126	1,094	1,339	23,380	10-29
30-49	449	461	494	455	485	482	454	459	477	492	496	472	482	474	483	505	534	517	536	597	559	647	628	11,638	30-49

Mie	49	39	36		67		41	43	41	49	45	53	39	55	39	38	38	35	39	41	43	47	52	929	Mie
Shiga	21	21	19		17		30	36	39	30	31	38	37	35	28	22	40	22	35	24	37	35	56	653	Shiga
Kyoto	56	61	81		78		59	67	60	79	79	73	78	63	74	70	71	70	76	70	66	50	81	1,462	Kyoto
Osaka	405	494	483		539		586	518	494	452	478	443	468	447	426	479	522	457	538	492	520	486	639	10,366	Osaka
Hyogo	169	160	179		131		162	141	152	167	166	173	147	169	173	194	200	174	167	192	180	188	184	3,568	Hyogo
Nara	20	25	32		21		38	35	28	31	46	31	27	38	30	28	41	53	49	68	42	47	39	769	Nara
Wakayama	34	15	25		34		35	27	33	37	23	20	30	23	30	17	25	25	31	41	25	34	20	584	Wakayama
Tottori	11	8	12		13		6	8	6	8	7	7	5	2	8	6	6	7	7	6	7	8	12	160	Tottori
Shimane	30	21	25		26		28	30	28	21	19	17	25	16	13	21	12	15	19	17	19	21	30	453	Shimane
Okayama	39	42	33		31		60	51	33	46	44	43	50	45	45	31	47	37	44	36	50	48	71	926	Okayama
Hiroshima	99	111	138		66		96	88	67	80	73	78	92	73	74	96	75	84	84	73	74	102	104	1,827	Hiroshima
Yamaguchi	26	26	34		24		29	37	34	19	25	45	31	35	28	33	25	18	22	35	29	27	33	615	Yamaguchi
Tokushima	28	26	38		23		20	24	16	22	17	17	8	27	25	23	17	16	18	18	22	17	26	448	Tokushima
Kagawa	33	18	29		27		27	43	41	27	32	32	32	32	30	43	47	38	38	33	39	69	36	746	Kagawa
Ehime	53	51	47		54		56	41	35	35	33	42	29	39	31	20	15	20	25	32	40	19	31	748	Ehime
Kochi	36	62	37		38		49	33	25	22	40	28	41	39	34	37	23	35	34	28	30	20	30	721	Kochi
Fukuoka	99	117	140		103		122	139	111	90	92	140	145	150	148	142	136	147	154	192	195	182	205	2,949	Fukuoka
Saga	30	19	24		21		27	30	21	37	33	33	32	27	25	17	20	32	24	20	16	33	24	545	Saga
Nagasaki	32	33	41		49		33	43	46	48	60	43	42	56	47	36	40	44	41	40	37	56	61	928	Nagasaki
Kumamoto	56	42	46		73		36	56	65	37	52	47	62	58	72	61	54	80	65	59	71	87	84	1,263	Kumamoto
Oita	35	31	37		28		26	19	23	20	24	26	16	17	13	21	29	11	16	21	21	17	12	463	Oita
Miyazaki	61	64	47		51		52	56	54	51	51	61	67	52	48	61	48	43	31	32	43	45	55	1,073	Miyazaki
Kagoshima	47	60	60		68		50	61	62	58	51	55	43	38	31	20	40	33	35	39	37	62	60	1,010	Kagoshima
Okinawa	64	54	64		72		43	55	52	78	73	53	68	65	54	64	64	72	56	72	73	74	84	1,354	Okinawa

load	1		2	1	1			1	1			2	1				1		1	1		1		14	load
natural environment	3	7	7	5	6	5	3	6	2	2	12	6	73	2	8	7	5	6	4	5	6	4	2	186	natural environment
other causal agent		1	1	2	3	5	2	1				1										2	6	24	other causal agent
no causal agent						1	2	3	5		1	6	5	8	5	4	7	9	3	2	3	2	3	69	no causal agent
unclassifiable		1							1			1	1	1								1		6	unclassifiable
total	48	42	52	48	52	62	42	43	42	28	39	49	105	38	48	35	37	41	30	30	27	33	26	997	total

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

																							milling machine	
chain saw																							chain saw	
other woodworking machines																							other woodworking machines	
leveling, transporting or loading machine		1			2				2	1									1				7	leveling, transporting or loading machine
excavating machine							1														1		2	excavating machine
foundation work machine																								foundation work machine
hardening machine					1																		1	hardening machine
demolition machine																								demolition machine
vehicle for high lift work				1					1		1	1			1		1						6	vehicle for high lift work
other construction machines						1	1				1		1										4	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

pressure vessel																										pressure vessel	
other pressure vessels									1																	1	other pressure vessels
chemical facilities																											chemical facilities
gas welding equipment																											gas welding equipment
arc welding equipment																											arc welding equipment
other welding equipment																											other welding equipment
kiln, caldron																											kiln, caldron
industrial dryer						1																				1	industrial dryer
other kiln, caldron																											other kiln, caldron
transmission		1				1								1												3	transmission
electric power facilities	1	1	1							1				1	1	1					3			1	1	12	electric power facilities
other electrical equipment		1																								1	other electrical equipment
human power cranes					1																					1	human power cranes
human power hauling equipment			1	1								1	2				1		2							8	human power hauling equipment
human power machine																											human power machine
hand tool						1			1																	2	hand tool
ladder		1	1	2	4	3	1	1	1			1		2	1		2		1	2			2	2	27	ladder	

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
other materials								1																	1	other materials
load	1		2	1				1	1			2	1			1		1			1				12	load
machine/equipment as load					1															1					2	machine/equipment as load
natural ground, rock			5		2	1	1	3	1		2	1	1		1	1	4		1	2		2	1		29	natural ground, rock
standing tree	1		1		2	1		1				1				2					3	2			14	standing tree
water	2	6	1	2	2	2	1	1			7	2	71	2	5	3		5	2	2				1	117	water
abnormal environment				3																					3	abnormal environment
high/cold temperature environment							1	1	1	2		2				1		1		1	1				11	high/cold temperature environment
other environments		1				1					3		1		2		1		1		2				12	other environments
other causal agent		1	1	2	3	5	2	1				1										2	6		24	other causal agent
no causal agent						1	2	3	5		1	6	5	8	5	4	7	9	3	2	3	2	3		69	no causal agent
unclassifiable		1							1			1	1	1									1		6	unclassifiable
total	48	42	52	48	52	62	42	43	42	28	39	49	105	38	48	35	37	41	30	30	27	33	26	997	total	

January	5	4	2	3	2	9	3	1	3	2	2	3	5	4	4	3	6	2	6	2	1	1	3	76	January
February	5	2	1		8	6	3	4	4	4	3	2	4	4	2	2	2	1	2	4	3	3	3	72	February
March	3	5	3	7	8	6	1	6	2	3	7	3	72	5	2	5	5	4	1	1	3	3	2	157	March
April	2	3	4	1		5	4	2	4	1	3	7	2	5	3	4	2	3	2	2	5	3	1	68	April
May	2	3	3	2	4	6	3	4	5	2	1	6	1	2	6	3	1	5	3	3	1	2	4	72	May
June	4	3	4	4	5	5	6	5	5	2	3	3	5	2	3	1	3		2		1	1	4	71	June
July	4	1	4	8	6	2	1	5	2	2	2	3	1	4	5	1		10	1	2	2	3	2	71	July
August	7	5	6	3	3	5	6	4	5	1	7	6	6	1	4	6	4	2	3	4	2	3	4	97	August
September	4	6	5	5	6	4	3	5	4	1	3	2	2	4	3	3	7	4	2	4	3	1		81	September
October	5	3	5	3	4	5	4	3		6	1	4	3	5	7	2	3	4	3	4		4	2	80	October
November	1	4	6	6	2	4	4	4	5	4	4	5	1	1	7	1		4	1	3	3	2		72	November
December	6	3	9	6	4	5	4		3		3	5	3	1	2	4	4	2	4	1	3	7	1	80	December
total	48	42	52	48	52	62	42	43	42	28	39	49	105	38	48	35	37	41	30	30	27	33	26	997	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	3	3	3	4	7	5	2	2	4			7	2	5	4	1	3	3	5		1	3	1	68	Hokkaido	
Aomori			2	1	1				1	2			2	1	1	1	1		1	1	1			16	Aomori	
Iwate	1		2				1	3				1	39			1	2	1			1			52	Iwate	
Miyagi	2	1			2		1	2			2		29				2	1		1	1			44	Miyagi	
Akita	1	1	1							2		1									1			7	Akita	
Yamagata	1				1			2	1				1					1						7	Yamagata	
Fukushima				3		1		1					2	1	1								1	10	Fukushima	
Ibaraki	2			1		1		1				1	1	2			4	1	2				2	1	19	Ibaraki

Tochigi			2			2	3	1	2	1			1		1	1							15	Tochigi	
Gunma	1	1		1						1					1	1		1			1		8	Gunma	
Saitama	2		1	1	3	1	1	2	3	1		1			1		1	3	2		1	1	25	Saitama	
Chiba		3	1		2		2	4	1	1		2	1	1	3	2	2	2	3	1	2	1		34	Chiba
Tokyo	12	5	10	10	5	20	6	13	7	5	4	9	8	10	5	2	4	9	3	6	2	3	8	166	Tokyo
Kanagawa	1	1	3	5	5	3	2		2	3	2	4	3		6	5	2	2	2	2	2	3	3	61	Kanagawa
Niigata		1	2	1	2	3	1	1	3		1	2	3		1			2	1		1			25	Niigata
Toyama	1	1	1				1		1		2						3					1		11	Toyama
Ishikawa		1	1		1				1	1	1			4	2	2	1			1	3	2		21	Ishikawa
Fukui		1	2	2							1			1		1	2							10	Fukui
Yamanashi			1		1										1	1		1		1	1			7	Yamanashi
Nagano	1	1	1		1	1	1					2	1	1	1		2		3					16	Nagano
Gifu		1				1	1				2					1	1			1				8	Gifu
Shizuoka					2	6			1		1			2		2			1					15	Shizuoka
Aichi	3	1		1	1			2	2	1	3	1	2		1	3	1	1		3	1	3	1	31	Aichi
Mie		2		1	1	1	3	1				1	1											11	Mie
Shiga		1			1				2	1	1				1							1		8	Shiga
Kyoto		1		2	3	1	1	1		3	1		1			1								15	Kyoto
Osaka	4	6	2	7	1	4	5	2	3	2	5	3	3	3	8	3	2	4	4	4	2	4	4	85	Osaka
Hyogo	3	1	4	1	1		1	1		1	4			3			2	4		1	3	1	1	32	Hyogo
Nara					1					1	1	1		1				1						6	Nara
Wakayama		1			1										1					1				4	Wakayama
Tottori	2																							2	Tottori
Shimane	1																					1	1	3	Shimane

Okayama	2	1	2	1			2					1	1		1						1	1		13	Okayama	
Hiroshima			3	1		2	1	1	1			1	1	1								1		13	Hiroshima	
Yamaguchi	1			1				1	3			1		1	2		1	2		1				14	Yamaguchi	
Tokushima		1												1	1									3	Tokushima	
Kagawa												1											2	3	Kagawa	
Ehime		1	1	1	1		2					1							1		1		1	10	Ehime	
Kochi			1			1					1			1										4	Kochi	
Fukuoka	3	2	1	1	3	3	3	1		1	1	3	1		2	1		3	2	2	2	2	2	3	40	Fukuoka
Saga				1								1												2	Saga	
Nagasaki		1	1			1			1		1	2	1		1	1								10	Nagasaki	
Kumamoto			2		1	1							1											5	Kumamoto	
Oita						1	1			1	1						1			1	1			7	Oita	
Miyazaki						2		1	1			1			1	2								8	Miyazaki	
Kagoshima		2	2		1	1	1		2						1			1			1			12	Kagoshima	
Okinawa	1			1	3						3	1			1		1							11	Okinawa	
total	48	42	52	48	52	62	42	43	42	28	39	49	105	38	48	35	37	41	30	30	27	33	26	997	total	

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