

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

restaurant industry Code No.1402

Type of accidents in restaurant 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	190	190	234	185	248	212	202	238	233	266	282	228	281	253	244	255	262	313	354	324	353	387	311	6,045	fall from height
falling to same level	812	817	907	865	863	973	1,012	1,026	1,076	1,073	1,119	1,153	1,155	1,115	1,240	1,259	1,258	1,333	1,349	1,467	1,471	1,386	1,390	26,119	falling to same level
crash	103	83	109	111	123	104	118	120	137	125	146	114	147	137	171	149	151	201	206	191	178	213	191	3,328	crash
struck by flying or falling object	113	112	134	153	119	133	133	139	144	156	133	140	112	134	143	144	158	154	149	164	142	151	141	3,201	struck by flying or falling object
collapse	19	20	22	26	25	21	30	23	34	24	21	30	29	23	20	30	15	32	27	31	34	29	23	588	collapse
crashed by	34	33	27	34	29	47	33	30	30	43	32	45	38	33	42	36	39	38	44	45	46	44	57	879	crashed by
caught in/between	175	141	172	175	183	171	179	178	189	182	192	176	214	229	209	218	186	189	175	190	221	186	176	4,306	caught in/between
cut	1,075	1,066	1,154	1,203	1,194	1,094	1,132	1,094	1,080	1,050	938	969	976	1,188	1,149	1,070	1,190	1,105	1,015	1,154	1,131	970	901	24,898	cut
injury to the sole of the foot	5	5	5	4	5	4	4	2	3	6	7	4	1	8	3	6	6	3	8	6	5	1	3	104	injury to the sole of the foot
drown	2		2				1		1				6		1	2		1			1	1		18	drown
contact to high/low-temperature	456	522	595	531	599	582	586	576	576	595	620	639	678	684	675	747	780	811	764	762	841	708	757	15,084	contact to high/low-temperature
contact to harmful	13	10	23	14	21	16	22	24	25	16	22	17	23	20	17	10	21	19	33	23	32	25	21	467	contact to harmful

substance																										substance
electric shock	1	3	2	1	3		3	1	4	1	4	2	1	3	5	1	2	3	2	3	2	2	3	52	electric shock	
explosion	6	7	10	10	13	9	9	4	15	12	12	13	3	8	6	8	5	3	2	9	1	3	6	174	explosion	
burst		2	2				2	3	1	1	2	2	3	2	1	3		3	2				1	30	burst	
fire	3	8	3	2	4	4	5	5	5	6	6	3	6	3	5	5	2	4	4	3	3	6	6	101	fire	
traffic accident (public road)	87	91	124	112	106	131	118	123	138	127	132	129	132	147	152	135	160	160	161	184	172	233	290	3,344	traffic accident (public road)	
traffic accident (others)	1	2						2	1	1				2	2			2	1		2		2	18	traffic accident (others)	
reaction to motion/improper motion	211	200	219	249	256	242	230	270	304	314	289	313	305	335	283	352	402	382	375	409	466	496	435	7,337	reaction to motion/improper motion	
others	30	34	37	31	39	23	28	27	50	46	50	35	49	38	33	35	42	27	41	38	34	110	377	1,254	others	
unclassifiable	11	11	12	19	26	15	9	11	9	11	8	9	11	13	15	12	8	8	9	12	6	2	4	251	unclassifiable	
total	3,347	3,357	3,793	3,725	3,856	3,781	3,856	3,896	4,055	4,055	4,015	4,021	4,170	4,375	4,416	4,477	4,687	4,791	4,721	5,015	5,141	4,953	5,095	97,598	total	

Causal agents (large) of fatal and non-fatal accidents in restaurant 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	251	267	278	254	261	236	265	242	238	261	247	243	284	254	269	272	285	271	259	268	263	245	219	5,932	machine
crane, conveying machine	120	131	154	155	151	181	161	155	175	177	163	157	191	199	200	167	190	195	197	232	210	297	324	4,282	crane, conveying machine
other equipment	1,068	1,054	1,269	1,224	1,289	1,226	1,255	1,255	1,314	1,340	1,246	1,283	1,297	1,474	1,491	1,426	1,591	1,601	1,551	1,723	1,739	1,638	1,637	31,991	other

																									equipment
temporary buildings, establishments	914	914	1,030	989	1,053	1,093	1,131	1,131	1,237	1,243	1,289	1,247	1,260	1,225	1,328	1,366	1,401	1,532	1,559	1,622	1,631	1,558	1,513	29,266	temporary buildings, establishments
substance, material	383	393	432	454	500	456	487	520	484	455	498	465	492	569	494	542	511	507	444	421	478	357	354	10,696	substance, material
load	123	132	162	150	159	133	142	187	174	160	163	188	170	174	167	174	197	213	194	177	210	200	213	3,962	load
environment	87	106	142	84	92	113	106	106	101	85	102	110	119	124	134	168	124	94	109	164	150	164	134	2,718	environment
others	401	360	326	415	351	343	309	300	332	334	307	328	357	356	333	362	388	378	408	408	460	494	701	8,751	others
total	3,347	3,357	3,793	3,725	3,856	3,781	3,856	3,896	4,055	4,055	4,015	4,021	4,170	4,375	4,416	4,477	4,687	4,791	4,721	5,015	5,141	4,953	5,095	97,598	total

Causal agents (middle) of fatal and non-fatal accidents in restaurant 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									2	engine
power transmission mechanism	2	2		3	1	1	3	1		1	3	1		2	1	2	1	4			1		1		30	power transmission mechanism
woodworking machine	2	2	2		1		3		1	2		3	5	2	3	1	5	1	2	2	2		3		42	woodworking machine
construction machine	1		2								2	1			1		1				1				9	construction machine
metal manufacturing machine	10	3	4	1	2		3	2	2			2		2		1		1							33	metal manufacturing machine

general machine	236	260	270	250	257	235	256	239	235	258	242	236	279	247	264	267	278	265	257	266	259	245	214	5,815	general machine	
mobile silviculture machine																							1	1		mobile silviculture machine
crane	6	7	4	13	4	4	4	10	6	5	2	2	4	9	6	3	2	1	6	5	7	5	1	116	crane	
conveying machine	12	15	15	16	19	26	13	12	18	19	9	11	29	23	20	15	16	17	10	19	11	17	9	371	conveying machine	
vehicle	102	109	135	126	128	151	144	133	151	153	152	144	158	167	174	149	172	177	181	208	192	275	314	3,795	vehicle	
pressure vessel	6	3	6	12	8	5	4	4	8	13	4	4	12	4	6	9	7	15	8	7	7	5	3	160	pressure vessel	
chemical facilities																		1	1	1	1			4	chemical facilities	
welding equipment																		1			1		1	3	welding equipment	
kiln, caldron	11	15	23	19	38	35	28	36	30	27	42	33	26	40	31	23	31	25	42	43	61	33	51	743	kiln, caldron	
electric equipment	8	8	7	4	7	5	6	7	5	9	5	5	10	14	15	10	8	7	13	8	12	9	15	197	electric equipment	
human power machine, tools	572	543	660	633	612	563	586	576	594	523	481	494	465	634	625	572	629	571	543	643	618	596	593	13,326	human power machine, tools	
tools	286	278	323	327	411	384	383	405	428	476	419	403	476	456	500	460	548	580	620	632	656	621	564	10,636	tools	
other equipments, facilities	185	207	250	229	213	234	248	227	249	292	295	344	308	326	314	352	368	401	324	389	383	374	410	6,922	other equipments, facilities	
temporary buildings, establishments	914	914	1,030	989	1,053	1,093	1,131	1,131	1,237	1,243	1,289	1,247	1,260	1,225	1,328	1,366	1,401	1,532	1,559	1,622	1,631	1,558	1,513	29,266	temporary buildings, establishments	

hazards, harmful substances	91	116	143	126	166	134	165	134	151	121	126	115	159	153	126	171	143	169	141	133	156	99	109	3,147	hazards, harmful substances
materials	292	277	289	328	334	322	322	386	333	334	372	350	333	416	368	371	368	338	303	288	322	258	245	7,549	materials
load	123	132	162	150	159	133	142	187	174	160	163	188	170	174	167	174	197	213	194	177	210	200	213	3,962	load
natural environment	87	106	142	84	92	113	106	106	101	85	102	110	119	124	134	168	124	94	109	164	150	164	134	2,718	natural environment
other causal agent	252	252	201	234	212	200	158	177	163	176	155	149	197	149	160	173	195	193	227	188	210	234	454	4,709	other causal agent
no causal agent	115	87	107	161	107	122	133	114	156	137	136	165	150	193	158	174	175	175	170	210	239	257	240	3,681	no causal agent
unclassifiable	34	21	18	20	32	21	18	9	13	21	16	14	10	14	15	15	18	10	11	10	11	3	7	361	unclassifiable
total	3,347	3,357	3,793	3,725	3,856	3,781	3,856	3,896	4,055	4,055	4,015	4,021	4,170	4,375	4,416	4,477	4,687	4,791	4,721	5,015	5,141	4,953	5,095	97,598	total

Causal agents (small) of fatal and non-fatal accidents in restaurant 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	engine	
power transmission mechanism					1		3	1		1	3	1		2	1	2	1	4			1		1	22	power transmission mechanism	
circular sawing machine			1				1			1			3		1	1	3			1	1		3	16	circular sawing machine	
band sawing machine																										band sawing machine
wood planer machine			1							1		3					1							6	wood planer machine	





machine																									machine
other mobile silviculture machine																						1	1		other mobile silviculture machine
crane																									crane
mobile crane							1																	1	mobile crane
derrick crane								1																1	derrick crane
elevator, lift			4		3		4	9	4	5	2	2	4	8	6	3	2	1	6	5	6	5	1	80	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					1							1			4	other powered crane
truck			7		11		5	8	7	10	5	8	14	15	10	10	12	13	4	9	8	13	4	173	truck
forklift			1						2	1			1	1			1				1	1		9	forklift
railway equipment																									railway equipment
conveyor			5		6		6	3	6	5	3	2	10	5	6	4	2	4	3	8	1	1	3	83	conveyor
loader																									loader
straddle carrier																									straddle carrier
rough terrain hauler																									rough terrain hauler
other powered			2		2		2	1	3	3	1	1	4	2	4	1	1		3	2	1	2	2	37	other powered



conveying machines																									conveying machines	
cars, bus, motorcycle			120		117		132	129	139	146	146	138	154	158	166	145	168	174	176	203	191	271	313	3,186	cars, bus, motorcycle	
railway vehicle						2										1		1		1				5	railway vehicle	
other vehicles			15		11		10	4	12	7	6	6	4	9	8	3	4	2	5	4	1	4	1	116	other vehicles	
boiler													1			2		1		1				5	boiler	
pressure vessel					2		1			1		1	2				1	2	3	2		1		16	pressure vessel	
other pressure vessels			6		6		3	4	8	12	4	3	9	4	6	7	6	12	5	4	7	4	3	113	other pressure vessels	
chemical facilities																		1	1	1	1			4	chemical facilities	
gas welding equipment																		1						1	gas welding equipment	
arc welding equipment																										arc welding equipment
other welding equipment																					1		1	2	other welding equipment	
kiln, caldron			15		29		25	32	27	19	36	30	23	34	27	19	21	22	34	40	55	32	44	564	kiln, caldron	
industrial dryer			1				1		1	1			1					1	1	1				8	industrial dryer	
other kiln, caldron			7		9		3	3	3	7	5	3	3	5	4	4	10	3	7	2	5	1	7	91	other kiln, caldron	
transmission			1				2	4		2	1		4	5	4	3	2	2	1	4	5	1	3	44	transmission	
electric power facilities			1				1							1	1				1					5	electric power facilities	
other electrical equipment			5		7		4	2	5	7	4	5	6	8	10	7	6	5	11	4	7	8	12	123	other electrical equipment	
human power					1						1						1			2	6	6	6	23	human power	

cranes																									cranes
human power hauling equipment			32		37		46	51	50	46	61	57	66	83	72	68	58	74	65	84	80	88	95	1,213	human power hauling equipment
human power machine			4		3		1	1	1	3	1	1	2	2	4	2	2	1		3	3	2	2	38	human power machine
hand tool			624		571		539	524	543	474	418	436	397	549	549	502	568	496	478	554	529	500	490	9,741	hand tool
ladder			61		67		59	74	62	63	78	74	105	73	82	68	87	98	104	92	111	121	96	1,575	ladder
slinging tool					1		1					1					1		2					6	slinging tool
other tools			262		343		324	330	366	413	341	328	371	383	418	392	461	481	516	538	545	500	468	7,780	other tools
other equipment, facilities			250		213		248	227	249	292	295	344	308	326	314	352	368	401	324	389	383	374	410	6,067	other equipment, facilities
scaffolding					5		1		2		2		2	1	3	2	1	3	1				2	25	scaffolding
timbering							1													1			1	3	timbering
stairs, landing stage			166		160		147	163	169	208	188	165	173	157	156	174	179	207	210	236	228	236	212	3,534	stairs, landing stage
opening			13		9		10	7	7	8	13	8	11	18	10	14	13	17	19	18	21	17	16	249	opening
roof, beam, haze, crossbeam, principal rafter			4		4		4	3	8	3	1	7	3	3	3	5	1	4		4	2	4	2	65	roof, beam, haze, crossbeam, principal rafter
working platform, boot board			217		209		178	196	234	225	243	216	210	174	222	220	262	230	238	284	226	228	172	4,184	working platform, boot board
passage			451		470		552	565	608	586	572	630	603	609	656	698	686	756	787	797	876	780	856	12,538	passage
building, establishment			114		121		135	119	126	153	179	138	178	173	175	149	156	171	184	167	142	159	147	2,886	building, establishment
other temporary buildings, establishments			65		75		103	78	83	60	91	83	80	90	103	104	103	144	120	115	136	134	105	1,872	other temporary buildings, establishments

explosive substance								2		2	2		2	1			1	1	1	3	1		16	explosive substance	
inflammable substance			23		23		24	23	24	16	17	18	15	23	20	36	14	14	9	21	13	13	13	359	inflammable substance
inflammable gas			16		18		9	13	15	24	12	9	14	11	11	16	11	28	13	12	15	7	10	264	inflammable gas
harmful substance			9		9		10	14	11	11	6	12	12	15	13	3	22	12	15	11	9	5	2	201	harmful substance
radiation																									radiation
other hazards, harmful substances			95		116		122	84	99	70	89	74	118	102	81	116	96	114	103	88	116	73	84	1,840	other hazards, harmful substances
metal material			37		39		37	36	42	30	43	47	31	62	36	45	35	53	41	32	37	23	30	736	metal material
lumber, bamboo			5		6		7	11	3	11	9	6	10	8	8	12	2	5	6	8	9	9	6	141	lumber, bamboo
stone, sand, substance			1				2	2		1	2	4	2	1	1	3	2	4	2	2	4	1	2	36	stone, sand, substance
other materials			246		289		276	337	288	292	318	293	290	345	323	311	329	276	254	246	272	225	207	5,417	other materials
load			152		154		137	178	171	158	157	179	167	167	162	168	188	207	191	173	205	193	211	3,318	load
machine/equipment as load			10		5		5	9	3	2	6	9	3	7	5	6	9	6	3	4	5	7	2	106	machine/equipment as load
natural ground, rock			7		2		2	2	3	2	4	4	1	1	3		2	2		4	2	1	1	43	natural ground, rock
standing tree										1	2	4				2	3		2	1	1	3	2	21	standing tree
water			14		20		18	20	28	18	25	14	23	14	27	23	17	13	9	29	26	40	17	395	water
abnormal environment			1		3		1	1		2			1				1		1	1			1	13	abnormal environment
high/cold temperature environment			72		43		40	43	38	36	37	42	52	65	44	75	56	30	46	63	76	71	68	997	high/cold temperature environment

other environments			48		24		45	40	32	26	34	46	42	44	60	68	45	49	51	66	45	49	45	859	other environments
other causal agent			201		212		158	177	163	176	155	149	197	149	160	173	195	193	227	188	210	234	454	3,771	other causal agent
no causal agent			107		107		133	114	156	137	136	165	150	193	158	174	175	175	170	210	239	257	240	3,196	no causal agent
unclassifiable			18		32		18	9	13	21	16	14	10	14	15	15	18	10	11	10	11	3	7	265	unclassifiable
total			3,793		3,856		3,856	3,896	4,055	4,055	4,015	4,021	4,170	4,375	4,416	4,477	4,687	4,791	4,721	5,015	5,141	4,953	5,095	83,388	total

#### Workers age of fatal and non-fatal accidents in restaurant 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	478	447	501	482	528	447	496	484	456	431	367	444	416	532	549	594	643	597	524	693	700	610	595	12,014	19 years old or less
20-29	963	962	1,073	1,025	1,173	1,164	1,054	976	973	933	949	983	969	1,067	1,045	1,003	1,053	1,005	1,000	1,051	1,041	1,031	1,159	23,652	20-29
30-39	388	454	569	544	578	556	571	651	613	670	671	689	709	672	699	643	663	689	639	620	608	608	556	14,060	30-39
40-49	509	487	563	574	533	525	538	530	614	604	625	632	640	753	690	787	806	825	828	818	869	836	869	15,455	40-49
50-59	708	713	782	761	723	725	822	827	899	866	842	698	744	683	739	717	740	808	799	842	926	883	914	18,161	50-59
60 years old or more	301	294	305	339	321	364	375	428	500	551	561	575	692	668	694	733	782	867	931	991	997	985	1,002	14,256	60 years old or more
total	3,347	3,357	3,793	3,725	3,856	3,781	3,856	3,896	4,055	4,055	4,015	4,021	4,170	4,375	4,416	4,477	4,687	4,791	4,721	5,015	5,141	4,953	5,095	97,598	total

#### Workers' number of workplace of fatal and non-fatal accidents in restaurant 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	777	790	900	824	832	795	802	805	848	879	888	888	886	850	836	856	889	876	926	864	870	868	976	19,725	9 workers or less
10-29	1,096	1,118	1,285	1,366	1,480	1,474	1,536	1,592	1,677	1,634	1,624	1,704	1,866	1,919	1,915	1,982	2,033	2,100	2,027	2,175	2,090	2,018	1,954	39,665	10-29
30-49	942	945	1,141	1,099	1,120	1,101	1,101	1,087	1,078	1,114	998	960	928	1,103	1,031	1,042	1,103	1,192	1,172	1,302	1,415	1,340	1,358	25,672	30-49

















load																								load	
natural environment	1								1				12	1								1		16	natural environment
other causal agent																						1	1	other causal agent	
no causal agent	1				1				1	2	3	1	3	3		2			2	1		2		22	no causal agent
unclassifiable															1		2							3	unclassifiable
total	9	2	7	6	7	2	5	7	7	7	8	2	19	9	3	6	5	2	7	5	2	6	6	139	total

Causal agents (small) of fatal accidents in restaurant 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																										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













other hazards, harmful substances																							1	1	other hazards, harmful substances	
metal material																										metal material
lumber, bamboo																										lumber, bamboo
stone, sand, substance																										stone, sand, substance
other materials																										other materials
load																										load
machine/equipment as load																										machine/equipment as load
natural ground, rock																										natural ground, rock
standing tree																										standing tree
water	1												12											1	14	water
abnormal environment																										abnormal environment
high/cold temperature environment										1						1									2	high/cold temperature environment
other environments																										other environments
other causal agent																								1	1	other causal agent
no causal agent	1				1				1	2	3	1	3	3		2			2	1		2			22	no causal agent
unclassifiable															1		2								3	unclassifiable
total	9	2	7	6	7	2	5	7	7	7	8	2	19	9	3	6	5	2	7	5	2	6	6	139	total	



January	1		2	2						1					2		2				2		12	January	
February	1	1			1		1		1			1	1				1						9	February	
March					2	2				1		14	1		1		1						22	March	
April				1					2	1		1	1		1	1		1	1	1		2	13	April	
May	1				1		1			1	1			1	1				2		1		10	May	
June	1		1				2	2		2		1	1			1						1	12	June	
July	1		2					1			1			1		1		1	1				9	July	
August	1				1				3				1	1						1		1	9	August	
September								1		1				2		1	1		1				7	September	
October		1	1	2	1			1	1	2			1			1	1		1			2	15	October	
November	1							2				3							1	1			8	November	
December	2		1	1	1		1						1	2	1							1	2	13	December
total	9	2	7	6	7	2	5	7	7	7	8	2	19	9	3	6	5	2	7	5	2	6	6	139	total

Prefecture of fatal accidents in restaurant 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			1					1					1		1				1			1	1	7	Hokkaido	
Aomori																										Aomori
Iwate													6												6	Iwate
Miyagi													6	1											7	Miyagi
Akita																										Akita
Yamagata			1																						1	Yamagata
Fukushima					1						1					2						1			5	Fukushima
Ibaraki			1						1																2	Ibaraki



Okayama													1											1	Okayama
Hiroshima		1													1									2	Hiroshima
Yamaguchi				1																1				2	Yamaguchi
Tokushima																									Tokushima
Kagawa																						1		1	Kagawa
Ehime				1			1																	2	Ehime
Kochi			1																					1	Kochi
Fukuoka	2						1	1					1											5	Fukuoka
Saga																									Saga
Nagasaki																							1	1	Nagasaki
Kumamoto								1	1	1			1											4	Kumamoto
Oita									2															2	Oita
Miyazaki																									Miyazaki
Kagoshima									1						2									3	Kagoshima
Okinawa	1																					1		2	Okinawa
total	9	2	7	6	7	2	5	7	7	7	8	2	19	9	3	6	5	2	7	5	2	6	6	139	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](https://www.jisha.or.jp/english/statistics/2021e_industry.html)