

Fatal and non-fatal accidents in hotel/restaurant/amusement service in Japan in 1999-2021

hotel/restaurant/amusement service industry Code No.14

Type of accidents in hotel/restaurant/amusement service 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	825	756	919	793	870	846	795	862	834	834	880	748	830	836	774	772	798	870	935	912	949	935	807	19,380	fall from height
falling to same level	2,360	2,316	2,428	2,297	2,353	2,396	2,431	2,498	2,480	2,599	2,528	2,555	2,479	2,458	2,574	2,622	2,599	2,644	2,753	3,027	2,971	2,622	2,725	58,715	falling to same level
crash	363	300	331	328	349	318	320	348	383	345	381	346	366	356	361	386	380	405	435	431	423	419	405	8,479	crash
struck by flying or falling object	449	456	469	416	405	415	384	405	419	393	362	364	338	314	350	361	324	343	333	335	297	273	273	8,478	struck by flying or falling object
collapse	60	55	72	68	71	68	79	82	80	81	67	74	61	72	51	62	64	76	76	64	63	53	41	1,540	collapse
crashed by	300	299	292	291	298	305	265	238	228	245	207	213	214	195	242	197	210	202	207	232	242	173	212	5,507	crashed by
caught in/between	513	461	459	473	483	481	435	444	465	461	443	409	451	461	430	412	389	396	358	392	433	324	357	9,930	caught in/between
cut	1,387	1,359	1,458	1,503	1,454	1,357	1,335	1,352	1,345	1,308	1,162	1,181	1,187	1,406	1,355	1,251	1,392	1,295	1,217	1,321	1,333	1,112	1,031	30,101	cut
injury to the sole of the foot	9	11	13	7	11	12	11	5	5	18	16	14	3	11	6	14	11	9	10	13	11	7	6	233	injury to the sole of the foot
drown	5	4	4		1	3	2	1	2	1	2	2	14	1	1	2	1	1	4	2	3	1		57	drown
contact to high/low-temperature	572	612	725	681	701	710	678	678	691	696	717	736	770	769	782	847	889	915	866	909	981	786	823	17,534	contact to high/low-temperature
contact to harmful	26	18	36	25	27	27	39	34	34	29	35	22	31	32	30	20	28	28	43	28	38	31	30	691	contact to harmful

substance																										substance
electric shock	5	4	5	2	5	4	4	2	8	6	6	2	3	4	7	3	6	3	6	6	4	3	3	101	electric shock	
explosion	7	10	15	16	18	11	9	8	18	13	15	14	4	12	7	13	7	3	2	12	2	4	6	226	explosion	
burst	1	2	3	1	1		2	3	1	2	3	3	4	5	1	3	1	3	2	2		1	1	45	burst	
fire	6	10	12	4	6	10	8	8	9	9	10	4	9	6	9	6	5	10	8	3	3	7	6	168	fire	
traffic accident (public road)	151	152	206	167	167	219	164	179	203	183	171	183	174	197	191	182	216	189	210	221	204	256	313	4,498	traffic accident (public road)	
traffic accident (others)	16	13	6	4	2	4	6	5	3	10	5	7	7	6	3	12	11	6	6	8	5	3	4	152	traffic accident (others)	
reaction to motion/improper motion	797	790	851	828	798	786	806	926	1,018	1,032	979	941	944	1,018	878	939	1,008	987	1,044	1,081	1,262	1,059	1,121	21,893	reaction to motion/improper motion	
others	92	85	95	79	104	69	77	103	99	168	106	105	116	83	70	86	93	93	89	85	105	167	578	2,747	others	
unclassifiable	34	30	22	35	41	40	24	30	15	25	15	22	17	26	26	23	21	11	17	26	16	6	6	528	unclassifiable	
total	7,978	7,743	8,421	8,018	8,165	8,081	7,874	8,211	8,340	8,458	8,110	7,945	8,022	8,268	8,148	8,213	8,453	8,489	8,621	9,110	9,345	8,242	8,748	191,003	total	

Causal agents (large) of fatal and non-fatal accidents in hotel/restaurant/amusement service 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	487	488	512	487	491	455	451	428	447	475	449	425	457	433	432	412	463	418	391	401	421	378	356	10,157	machine
crane, conveying machine	582	569	580	544	565	604	513	524	537	522	493	454	472	482	467	456	461	433	473	513	461	520	536	11,761	crane, conveying machine
other equipment	1,809	1,735	2,074	1,918	1,993	1,975	1,976	1,992	2,100	2,121	1,925	2,014	2,005	2,174	2,177	2,127	2,294	2,341	2,323	2,498	2,568	2,228	2,258	48,625	other

																									equipment
temporary buildings, establishments	2,515	2,452	2,647	2,476	2,592	2,620	2,613	2,704	2,774	2,873	2,781	2,691	2,678	2,675	2,734	2,854	2,870	3,004	3,105	3,285	3,251	2,962	2,959	64,115	temporary buildings, establishments
substance, material	587	596	648	684	679	655	641	714	676	619	673	597	628	719	636	665	646	618	563	535	596	427	425	14,227	substance, material
load	319	328	378	351	357	340	345	431	465	467	416	407	396	385	329	329	372	408	381	353	409	321	370	8,657	load
environment	675	629	669	589	621	588	553	571	551	507	539	531	583	578	586	584	511	490	511	583	582	522	517	13,070	environment
others	1,004	946	913	969	867	844	782	847	790	874	834	826	803	822	787	786	836	777	874	942	1,057	884	1,327	20,391	others
total	7,978	7,743	8,421	8,018	8,165	8,081	7,874	8,211	8,340	8,458	8,110	7,945	8,022	8,268	8,148	8,213	8,453	8,489	8,621	9,110	9,345	8,242	8,748	191,003	total

Causal agents (middle) of fatal and non-fatal accidents in hotel/restaurant/amusement service 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	2	4	1		1	1		1		1			2	1	2		1					1	19	engine
power transmission mechanism	14	13	10	25	13	7	14	14	17	21	13	14	8	14	8	11	13	13	8	5	9	8	6	278	power transmission mechanism
woodworking machine	34	31	35	35	30	22	26	22	40	26	25	25	28	43	27	25	33	21	21	22	26	30	26	653	woodworking machine
construction machine	16	22	27	21	13	23	24	15	23	19	23	14	19	15	24	15	14	20	6	12	13	15	12	405	construction machine
metal manufacturing machine	25	9	7	10	10	4	5	6	4	7	1	9	5	8	1	5	4	2	4	3	9	4	4	146	metal manufacturing machine

general machine	397	411	429	395	425	398	381	371	362	402	386	363	397	351	371	354	397	360	352	357	361	316	305	8,641	general machine	
mobile silviculture machine																		2	1		2	3	5	2	15	mobile silviculture machine
crane	24	23	23	29	25	14	11	25	23	13	9	8	12	14	13	11	12	12	13	13	13	14	3	357	crane	
conveying machine	201	193	168	153	176	162	133	157	125	148	118	119	113	129	99	104	111	98	98	106	101	97	74	2,983	conveying machine	
vehicle	357	353	389	362	364	428	369	342	389	361	366	327	347	339	355	341	338	323	362	394	347	409	459	8,421	vehicle	
pressure vessel	9	7	10	17	14	8	8	5	11	15	7	4	14	9	9	13	9	21	10	12	8	7	4	231	pressure vessel	
chemical facilities															1				1	1	1	1		5	chemical facilities	
welding equipment			3				1	1											1			1		1	8	welding equipment
kiln, caldron	13	19	33	24	40	38	35	40	33	32	43	38	28	45	35	31	37	29	44	47	69	35	57	845	kiln, caldron	
electric equipment	18	15	18	12	11	16	16	12	12	16	13	11	12	20	22	23	16	14	20	14	22	12	25	370	electric equipment	
human power machine, tools	753	718	855	815	770	714	734	750	775	685	622	632	596	769	754	694	765	706	702	773	764	682	684	16,712	human power machine, tools	
tools	683	633	776	687	827	799	773	812	848	896	806	802	871	832	882	819	930	974	1,050	1,086	1,122	962	914	19,784	tools	
other equipments, facilities	333	343	379	363	331	400	409	372	421	477	434	527	484	498	475	547	537	595	496	565	581	530	573	10,670	other equipments, facilities	
temporary buildings, establishments	2,515	2,452	2,647	2,476	2,592	2,620	2,613	2,704	2,774	2,873	2,781	2,691	2,678	2,675	2,734	2,854	2,870	3,004	3,105	3,285	3,251	2,962	2,959	64,115	temporary buildings, establishments	

hazards, harmful substances	125	143	187	180	193	178	200	166	178	154	154	139	179	183	155	199	171	191	172	153	182	108	121	3,811	hazards, harmful substances
materials	462	453	461	504	486	477	441	548	498	465	519	458	449	536	481	466	475	427	391	382	414	319	304	10,416	materials
load	319	328	378	351	357	340	345	431	465	467	416	407	396	385	329	329	372	408	381	353	409	321	370	8,657	load
natural environment	675	629	669	589	621	588	553	571	551	507	539	531	583	578	586	584	511	490	511	583	582	522	517	13,070	natural environment
other causal agent	567	545	490	464	440	431	366	402	329	404	335	296	350	290	305	296	328	339	397	350	379	334	728	9,165	other causal agent
no causal agent	362	337	380	448	360	352	380	409	433	415	458	492	430	493	454	457	468	417	457	569	656	543	589	10,359	no causal agent
unclassifiable	75	64	43	57	67	61	36	36	28	55	41	38	23	39	28	33	40	21	20	23	22	7	10	867	unclassifiable
total	7,978	7,743	8,421	8,018	8,165	8,081	7,874	8,211	8,340	8,458	8,110	7,945	8,022	8,268	8,148	8,213	8,453	8,489	8,621	9,110	9,345	8,242	8,748	191,003	total

Causal agents (small) of fatal and non-fatal accidents in hotel/restaurant/amusement service 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			4				1		1		1			2	1	2		1					1	14	engine
power transmission mechanism			10		13		14	14	17	21	13	14	8	14	8	11	13	13	8	5	9	8	6	219	power transmission mechanism
circular sawing machine			17		9		4	4	10	9	5	6	11	8	8	4	13	5	5	3	8	6	8	143	circular sawing machine
band sawing machine																	1						1	2	band sawing machine
wood planer machine			2		3		3	1		4	1	3		1			3			2			1	24	wood planer machine

hollow chisel mortiser, wood borer									1														1			2	hollow chisel mortiser, wood borer	
chamfering machine, router, woodworking milling machine																								1			1	chamfering machine, router, woodworking milling machine
chain saw			11		15		15	14	22	7	16	12	15	24	13	18	12	12	11	11	9	16	11			264	chain saw	
other woodworking machines			5		3		4	3	8	5	3	4	2	10	6	3	4	4	5	5	8	6	7			95	other woodworking machines	
leveling, transporting or loading machine			7		4		3	7	11	10	7	4	7	2	7	4	6	4	1	6	3	9	3			105	leveling, transporting or loading machine	
excavating machine			4		5		6	3	5	7	6	6	3	4	3	2	3	5	4	2	2	6	4			80	excavating machine	
foundation work machine																										1	foundation work machine	
hardening machine					2		2	1						1	1			2								9	hardening machine	
demolition machine																	1			1	2					4	demolition machine	
vehicle for high lift work			1								1		1		2		1		1		1					8	vehicle for high lift work	
other construction machines			15		2		13	4	7	2	9	4	8	8	11	9	3	9		3	4			5		116	other construction machines	
lathe					1														1							2	lathe	
drill press, milling machine					1			1	1				2						1							6	drill press, milling machine	
grinding machine,			2		5		1	3	1	2		4	2	2	1	3	4	2	1	1	8	2	4			48	grinding machine,	

other mobile silviculture machine																1					2	5	2	10	other mobile silviculture machine	
crane																					1			1	crane	
mobile crane			1		2			2	1	2	2	1	1			2		1	1	1		2	1	20	mobile crane	
derrick crane									1															1	derrick crane	
elevator, lift			20		14			9	19	15	9	5	5	8	10	10	8	9	8	10	10	11	7	1	188	elevator, lift
cargo lifting appliance																									cargo lifting appliance	
gondola								1	1			1												3	gondola	
lumberyard equipment, logging cableway																								2	lumberyard equipment, logging cableway	
simple skyline yarding equipment																									simple skyline yarding equipment	
other powered crane			2		9			2	3	5	1	1	1	3	4	3	1	3	3	2	2	1	5	1	52	other powered crane
truck			56		60			46	54	38	55	38	39	41	65	46	45	49	45	37	49	45	46	27	881	truck
forklift			2				3	1	4	1	1	1	3	3		1	1	3			1	3	1	29	forklift	
railway equipment			2		1			1		1		1					1		1		1			9	railway equipment	
conveyor			13		14			11	7	9	14	12	9	15	9	6	6	7	6	9	11	4	3	7	172	conveyor
loader			2		1			1	1	1				4	2	1	2	2	2	2		2	2		25	loader
straddle carrier									1															1	straddle carrier	
rough terrain hauler			1		1			1	2		2		1	2		1		2	1	3		2	1		20	rough terrain hauler
other powered conveying machines			92		99			71	90	73	75	67	68	48	50	45	50	49	41	46	46	46	42	39	1,137	other powered conveying machines

hauling equipment			96		104		95	111	103	107	122	113	122	137	125	113	135	132	143	152	150	125	128	2,313	hauling equipment
human power machine			8		6		2	8	5	6	3	3	4	2	6	5	4	1	2	5	4	4	5	83	human power machine
hand tool			748		658		635	630	665	571	495	514	469	629	622	575	625	572	557	614	597	541	536	11,253	hand tool
ladder			261		226		226	254	255	233	252	242	286	261	238	225	248	258	274	260	288	292	252	4,831	ladder
slinging tool			1		2			1			1	1		1	1	2	1	1	1	2	1		1	17	slinging tool
other tools			514		599		547	557	593	663	553	559	585	570	643	592	681	715	775	824	833	670	661	12,134	other tools
other equipment, facilities			379		331		409	372	421	477	434	527	484	498	475	547	537	595	496	565	581	530	573	9,231	other equipment, facilities
scaffolding			10		16		8	4	10	8	11	5	6	4	9	10	6	6	3	2	4		5	127	scaffolding
timbering					1		1	1	1		1	1	2							2		1	2	13	timbering
stairs, landing stage			490		471		421	486	510	527	477	438	447	473	424	457	483	501	527	570	542	498	484	9,226	stairs, landing stage
opening			23		15		18	15	16	12	24	14	19	30	20	18	22	25	26	26	30	22	19	394	opening
roof, beam, haze, crossbeam, principal rafter			22		20		22	22	19	17	22	22	20	23	19	18	14	12	10	22	15	10	23	352	roof, beam, haze, crossbeam, principal rafter
working platform, boot board			429		404		366	374	431	452	441	414	358	344	415	424	460	412	452	526	425	385	329	7,841	working platform, boot board
passage			1,112		1,124		1,205	1,212	1,244	1,319	1,197	1,246	1,227	1,229	1,275	1,343	1,324	1,450	1,489	1,571	1,634	1,447	1,556	25,204	passage
building, establishment			314		295		301	315	303	346	362	292	375	329	341	317	319	330	347	327	307	307	304	6,131	building, establishment
other temporary buildings, establishments			247		246		271	275	240	192	246	259	224	243	231	267	242	268	251	239	294	292	237	4,764	other temporary buildings, establishments
explosive substance			3					2	3		3	2		2	1	1		1	1	1	3	1		24	explosive substance

inflammable substance			27		25		27	26	27	21	22	21	19	30	22	41	17	18	16	22	15	15	15	426	inflammable substance
inflammable gas			23		22		12	17	20	29	13	10	16	14	14	20	13	29	16	14	17	8	10	317	inflammable gas
harmful substance			15		14		19	16	15	18	12	16	18	19	19	8	26	15	19	14	13	8	4	288	harmful substance
radiation																									radiation
other hazards, harmful substances			119		132		142	105	113	86	104	90	126	118	99	129	115	128	120	102	134	76	92	2,130	other hazards, harmful substances
metal material			69		66		55	71	65	51	68	62	44	83	52	61	48	75	58	54	51	31	36	1,100	metal material
lumber, bamboo			25		26		27	34	14	27	25	13	20	21	21	26	11	20	22	21	16	17	17	403	lumber, bamboo
stone, sand, substance			12		9		8	7	8	8	9	8	11	7	7	7	6	9	5	9	6	1	5	142	stone, sand, substance
other materials			355		385		351	436	411	379	417	375	374	425	401	372	410	323	306	298	341	270	246	6,875	other materials
load			354		338		319	399	436	441	388	385	379	356	312	314	351	381	366	334	391	300	354	6,898	load
machine/equipment as load			24		19		26	32	29	26	28	22	17	29	17	15	21	27	15	19	18	21	16	421	machine/equipment as load
natural ground, rock			194		228		159	162	162	170	171	168	176	155	131	110	100	97	119	64	96	84	93	2,639	natural ground, rock
standing tree			55		47		46	55	61	55	57	46	46	56	64	48	47	41	46	59	51	53	61	994	standing tree
water			22		30		32	28	42	28	34	21	53	19	40	34	27	23	23	42	34	48	25	605	water
abnormal environment			1		3		3	3	2	7	1	4	2	2		1	2	3	5	1	2	2	1	45	abnormal environment
high/cold temperature environment			92		66		50	61	74	49	49	64	76	85	73	103	85	61	65	127	115	112	89	1,496	high/cold temperature environment
other environments			305		247		263	262	210	198	227	228	230	261	278	288	250	265	253	290	284	223	248	4,810	other environments
other causal agent			490		440		366	402	329	404	335	296	350	290	305	296	328	339	397	350	379	334	728	7,158	other causal agent

no causal agent			380		360		380	409	433	415	458	492	430	493	454	457	468	417	457	569	656	543	589	8,860	no causal agent
unclassifiable			43		67		36	36	28	55	41	38	23	39	28	33	40	21	20	23	22	7	10	610	unclassifiable
total			8,421		8,165		7,874	8,211	8,340	8,458	8,110	7,945	8,022	8,268	8,148	8,213	8,453	8,489	8,621	9,110	9,345	8,242	8,748	159,183	total

Workers age of fatal and non-fatal accidents in hotel/restaurant/amusement service 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	618	571	634	629	672	599	616	598	595	557	467	530	526	652	680	713	748	699	647	811	802	681	660	14,705	19 years old or less
20-29	1,798	1,787	1,935	1,818	1,947	1,955	1,807	1,747	1,714	1,744	1,761	1,731	1,720	1,753	1,681	1,581	1,662	1,590	1,556	1,681	1,678	1,504	1,745	39,895	20-29
30-39	919	927	1,055	1,029	1,098	1,079	1,064	1,232	1,220	1,293	1,266	1,251	1,197	1,224	1,196	1,106	1,121	1,094	1,119	1,093	1,074	991	974	25,622	30-39
40-49	1,327	1,213	1,312	1,226	1,155	1,153	1,044	1,130	1,221	1,104	1,190	1,184	1,180	1,340	1,228	1,328	1,391	1,433	1,397	1,427	1,469	1,297	1,404	29,153	40-49
50-59	2,180	2,177	2,330	2,195	2,216	2,147	2,172	2,254	2,204	2,228	1,877	1,719	1,665	1,563	1,596	1,542	1,568	1,572	1,597	1,681	1,777	1,600	1,645	43,505	50-59
60 years old or more	1,136	1,068	1,155	1,121	1,077	1,148	1,171	1,250	1,386	1,532	1,549	1,530	1,734	1,736	1,767	1,943	1,963	2,101	2,305	2,417	2,545	2,169	2,320	38,123	60 years old or more
total	7,978	7,743	8,421	8,018	8,165	8,081	7,874	8,211	8,340	8,458	8,110	7,945	8,022	8,268	8,148	8,213	8,453	8,489	8,621	9,110	9,345	8,242	8,748	191,003	total

Workers' number of workplace of fatal and non-fatal accidents in hotel/restaurant/amusement service 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	1,268	1,258	1,378	1,285	1,297	1,245	1,228	1,216	1,301	1,284	1,263	1,217	1,275	1,236	1,154	1,203	1,260	1,231	1,258	1,223	1,248	1,209	1,273	28,810	9 workers or less
10-29	1,856	1,874	2,105	2,096	2,251	2,252	2,290	2,358	2,439	2,442	2,346	2,439	2,597	2,678	2,678	2,720	2,807	2,826	2,837	2,978	2,960	2,756	2,771	57,356	10-29
30-49	1,477	1,466	1,734	1,731	1,786	1,858	1,758	1,858	1,794	1,926	1,756	1,654	1,616	1,799	1,674	1,713	1,753	1,864	1,924	2,042	2,167	1,977	2,037	41,364	30-49
50-99	1,572	1,498	1,551	1,417	1,361	1,415	1,333	1,385	1,404	1,336	1,436	1,376	1,297	1,300	1,404	1,335	1,333	1,271	1,278	1,408	1,400	1,208	1,407	31,725	50-99
100-299	1,382	1,216	1,221	1,037	1,063	935	944	1,050	1,031	1,092	934	916	886	858	889	892	928	908	872	1,018	1,037	823	977	22,909	100-299

300 workers or more	423	431	432	452	407	376	321	344	371	378	375	343	351	397	349	350	372	389	452	441	533	269	283	8,839	300 workers or more
total	7,978	7,743	8,421	8,018	8,165	8,081	7,874	8,211	8,340	8,458	8,110	7,945	8,022	8,268	8,148	8,213	8,453	8,489	8,621	9,110	9,345	8,242	8,748	191,003	total

Month of fatal and non-fatal accidents in hotel/restaurant/amusement service 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	648	557	806	688	761	637	722	714	639	764	671	708	772	725	744	720	712	758	739	839	744	779	809	16,656	January
February	657	602	612	611	635	639	606	657	600	699	616	656	629	645	613	730	630	645	670	692	732	734	642	14,952	February
March	701	644	684	599	660	649	652	658	720	701	699	686	635	698	670	675	736	689	715	702	780	639	711	15,703	March
April	666	630	705	658	662	659	607	619	662	688	690	631	584	674	654	651	680	676	679	744	739	470	710	15,138	April
May	734	675	751	728	684	730	671	718	736	760	743	695	623	700	671	719	701	744	750	799	793	506	761	16,392	May
June	660	679	742	680	710	725	676	701	750	742	689	674	670	712	696	690	727	727	730	763	812	673	646	16,274	June
July	708	740	775	715	717	779	711	734	776	773	792	718	782	782	769	737	835	763	769	813	888	763	815	17,654	July
August	712	727	768	759	766	722	693	786	836	770	709	741	741	804	749	711	794	767	802	850	923	774	941	17,845	August
September	669	654	639	627	657	652	644	687	720	632	624	638	669	659	650	661	689	721	710	862	806	755	633	15,658	September
October	672	636	738	630	697	672	625	692	621	696	657	658	670	625	712	624	665	702	742	749	743	690	672	15,588	October
November	618	597	606	703	643	623	600	674	646	612	616	570	645	599	614	669	673	634	657	649	674	679	670	14,671	November
December	533	602	595	620	573	594	667	571	634	621	604	570	602	645	606	626	611	663	658	648	711	780	738	14,472	December
total	7,978	7,743	8,421	8,018	8,165	8,081	7,874	8,211	8,340	8,458	8,110	7,945	8,022	8,268	8,148	8,213	8,453	8,489	8,621	9,110	9,345	8,242	8,748	191,003	total

Prefecture of fatal and non-fatal accidents in hotel/restaurant/amusement service 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	437	450	441		408		456	456	510	451	403	394	375	418	390	408	405	346	393	394	410	324	385	8,654	Hokkaido

Kyoto	144	155	153		186		169	198	177	165	167	178	215	194	175	169	206	176	187	223	194	171	179	3,781	Kyoto
Osaka	393	409	502		491		488	480	501	522	512	476	492	506	505	538	552	618	572	658	627	536	537	10,915	Osaka
Hyogo	347	385	356		354		334	363	379	339	338	300	326	296	336	354	327	314	366	392	382	347	365	7,300	Hyogo
Nara	83	89	92		89		86	96	110	107	92	107	107	114	94	80	103	90	96	119	107	85	85	2,031	Nara
Wakayama	101	76	90		78		69	68	70	77	63	69	69	64	71	72	69	70	71	70	75	74	55	1,521	Wakayama
Tottori	32	30	40		31		33	37	28	31	34	47	54	26	38	31	32	34	39	33	26	33	33	722	Tottori
Shimane	54	47	58		46		47	50	47	49	37	35	48	37	37	31	43	31	37	41	39	34	50	898	Shimane
Okayama	111	111	108		135		97	97	102	103	97	99	89	87	107	85	90	90	125	149	124	101	131	2,238	Okayama
Hiroshima	159	146	178		151		133	148	149	146	156	149	143	154	163	152	160	153	156	155	188	156	181	3,276	Hiroshima
Yamaguchi	98	73	81		85		92	78	65	70	75	67	95	68	71	66	88	72	76	74	94	74	90	1,652	Yamaguchi
Tokushima	42	41	45		55		35	40	41	53	41	47	34	37	37	34	36	42	47	33	39	42	42	863	Tokushima
Kagawa	81	73	80		68		70	74	58	61	79	59	62	61	49	56	55	62	68	62	78	67	59	1,382	Kagawa
Ehime	88	78	89		97		84	93	69	78	83	64	86	80	53	64	67	61	67	66	73	56	64	1,560	Ehime
Kochi	82	71	72		70		59	73	83	59	73	62	68	62	66	69	78	61	61	56	65	51	60	1,401	Kochi
Fukuoka	336	314	352		334		336	331	300	348	308	312	325	361	346	329	363	337	338	366	339	368	343	7,086	Fukuoka
Saga	44	70	76		80		67	69	75	68	65	81	66	61	69	59	66	79	69	69	78	65	86	1,462	Saga
Nagasaki	84	72	104		91		88	106	98	96	97	87	88	92	85	84	94	100	95	95	96	102	85	1,939	Nagasaki
Kumamoto	175	144	184		156		155	142	142	147	125	125	131	134	120	127	153	157	134	148	120	98	134	2,951	Kumamoto
Oita	130	134	126		103		100	133	113	116	104	109	110	104	95	123	99	108	108	89	116	96	95	2,311	Oita
Miyazaki	87	82	63		86		89	96	98	80	79	75	69	68	61	73	87	80	79	88	90	87	98	1,715	Miyazaki
Kagoshima	128	111	129		125		115	99	115	100	99	118	100	123	120	115	119	137	115	105	118	103	119	2,413	Kagoshima
Okinawa	67	84	87		69		78	97	117	99	82	103	90	120	111	117	101	108	116	126	145	132	153	2,202	Okinawa
total	7,978	7,743	8,421		8,165		7,874	8,211	8,340	8,458	8,110	7,945	8,022	8,268	8,148	8,213	8,453	8,489	8,621	9,110	9,345	8,242	8,748	174,904	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

contact to high/low-temperature				1						2			1		1		1	1				2			10	high/low-temperature
contact to harmful substance			1	1	1		1	1	1	1			1		2	3	1						2		16	contact to harmful substance
electric shock	1	1	1			1			2					1										7	electric shock	
explosion																1								1	explosion	
burst		1																						1	burst	
fire		1	17		1		2				3			1			1					1		27	fire	
traffic accident (public road)	9	5	13	5	4	7	4	8	5	2	4	4	2	3	2	4	3	2	3	3	2	2	3	99	traffic accident (public road)	
traffic accident (others)																									traffic accident (others)	
reaction to motion/improper motion																									reaction to motion/improper motion	
others	3	1	1	1	2		1	2	3	2	4	2	24	6	5	3		1	3	3	1	2	1	71	others	
unclassifiable		1				1					1		1		1		2							7	unclassifiable	
total	33	27	48	27	28	20	17	24	25	24	30	30	52	23	25	19	14	14	20	20	21	13	18	572	total	

Causal agents (large) of fatal accidents in hotel/restaurant/amusement service 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	1	2	5	9	5	2	3	2	2	1	5	2	2	2		3	1	2	1	1	3	1	2	57	machine
crane, conveying machine	15	9	15	9	4	6	4	10	6	5	8	7	3	4	5	5	4	5	4	3	5	3	4	143	crane, conveying machine
other equipment	3	4	4	1	4	2	3	1	4	3	4	4	3	1	3		1	1	1	3	4	2	1	57	other equipment

temporary buildings, establishments	4	5	19	4	8	2	3	8	5	6	5	5	4	5	5	2	1	4	5	5	4	3	8	120	temporary buildings, establishments
substance, material			1	2	1		1		1				1		2	5	1		1			1		17	substance, material
load																1								1	load
environment	6	5	3	1	4	6	2	1	4	7	3	10	35	7	5		3	2	5	4	3	1	2	119	environment
others	4	2	1	1	2	2	1	2	3	2	5	2	4	4	5	3	3		3	4	2	2	1	58	others
total	33	27	48	27	28	20	17	24	25	24	30	30	52	23	25	19	14	14	20	20	21	13	18	572	total

Causal agents (middle) of fatal accidents in hotel/restaurant/amusement service 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	engine
power transmission mechanism											1							1							2	power transmission mechanism
woodworking machine																										woodworking machine
construction machine			3	5		1	1	1		1				2		1							1		16	construction machine
metal manufacturing machine																										metal manufacturing machine
general machine	1	2	2	4	5	1	1	1	2		4	2	2			2	1	1	1	1	3		2	38	general machine	
mobile silviculture machine																										mobile silviculture machine
crane		1		1							1			1	1										5	crane

conveying machine	2	3	5	1	1	1		1		1		2			1	1		1	2	1	3			26	conveying machine	
vehicle	13	5	10	7	3	5	4	9	6	4	7	5	3	3	3	4	4	4	2	2	2	3	4	112	vehicle	
pressure vessel		1		1																				2	pressure vessel	
chemical facilities																									chemical facilities	
welding equipment																									welding equipment	
kiln, caldron									1	1												2		4	kiln, caldron	
electric equipment	1	1	1			1			1		1			1											7	electric equipment
human power machine, tools																				1					1	human power machine, tools
tools	1	2	2		4		2		1	1		4	3		3		1		1	2	3		1	31	tools	
other equipments, facilities	1		1			1	1	1	1	1	3						1				1				12	other equipments, facilities
temporary buildings, establishments	4	5	19	4	8	2	3	8	5	6	5	5	4	5	5	2	1	4	5	5	4	3	8	120	temporary buildings, establishments	
hazards, harmful substances			1	1	1		1		1				1		2	5	1					1			15	hazards, harmful substances
materials				1															1						2	materials
load																1									1	load
natural environment	6	5	3	1	4	6	2	1	4	7	3	10	35	7	5		3	2	5	4	3	1	2	119	natural environment	
other causal agent	1	1	1	1	1	1	1	1															1		9	other causal agent
no causal agent	3				1				3	2	4	2	4	4	4	3			3	3	1	2			39	no causal agent
unclassifiable		1				1		1			1				1		3			1	1				10	unclassifiable
total	33	27	48	27	28	20	17	24	25	24	30	30	52	23	25	19	14	14	20	20	21	13	18	572	total	

Causal agents (small) of fatal accidents in hotel/restaurant/amusement service 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	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		1	1	1						2		1							1		12	leveling, transporting or loading machine

excavating machine										1													1	excavating machine	
foundation work machine																								foundation work machine	
hardening machine																								hardening machine	
demolition machine																								demolition machine	
vehicle for high lift work																								vehicle for high lift work	
other construction machines				3																				3	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																								other metal manufacturing machines	
centrifugal machine																								centrifugal machine	
mixer, grinder								1																1	mixer, grinder
roll machine (except printingroll machine)																								roll machine (except printingroll machine)	

load																1								1	load
machine/equipment as load																									machine/equipment as load
natural ground, rock	1	1		1	1				1		1	1		1										8	natural ground, rock
standing tree	1		2		1	2	1			2	2	2		2	3					1	1		1	21	standing tree
water	2	3	1		1	2	1		1	1		2	34						4	2		1		55	water
abnormal environment																									abnormal environment
high/cold temperature environment										2				1		1						2		7	high/cold temperature environment
other environments	2	1			1	2		1		4		4	1	3	2		2	2	1	1			1	28	other environments
other causal agent	1	1	1	1	1	1	1	1															1	9	other causal agent
no causal agent	3				1				3	2	4	2	4	4	4	3			3	3	1	2		39	no causal agent
unclassifiable		1				1		1			1				1		3			1	1			10	unclassifiable
total	33	27	48	27	28	20	17	24	25	24	30	30	52	23	25	19	14	14	20	20	21	13	18	572	total

Workers age of fatal accidents in hotel/restaurant/amusement service 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	1	1	4		2		2	1			1	1	1							1				15	19 years old or less
20-29	7	2	22	2	2	5	3	4	1	1	6	2	4	2	3	5	2	2	4		1		1	81	20-29
30-39	3	3	6	2	5	4	3	2	3	2	2	4	10	2	4	1	2	1	3	2		1		65	30-39
40-49	4	5	4	6	5	2	2	3	5	2	7	6	11	4	2	2	3		1	3	4	6	3	90	40-49

50-59	10	5	3	8	5	3	3	6	6	10	7	5	14	7	7	4	2	5	4	3	4	3	4	128	50-59
60 years old or more	8	11	9	9	9	6	4	8	10	9	7	12	12	8	9	7	5	6	8	11	12	3	10	193	60 years old or more
total	33	27	48	27	28	20	17	24	25	24	30	30	52	23	25	19	14	14	20	20	21	13	18	572	total

Workers' number of workplace of fatal accidents in hotel/restaurant/amusement service 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	10	3	5	5	13	6	7	10	8	7	10	4	21	5	7	6	3	5	9	5	3	5	2	159	9 workers or less
10-29	7	7	25	9	3	8	1	5	3	11	5	9	19	8	5	5	4	4	3	7	7	4	9	168	10-29
30-49	5	6	5	6	3	2	5	3	5	3	6	9	5	5	4	5	4	3	3	1	7	1	5	101	30-49
50-99	4	6	6	2	6	2	2	3	5	2	7	5	6	2	7	2	1		1	3	2	2		76	50-99
100-299	6	5	6	4	3	2	2	3	3	1	1	3	1	3	2	1	2	2	4	4	1	1	2	62	100-299
300 workers or more	1		1	1					1		1										1			6	300 workers or more
total	33	27	48	27	28	20	17	24	25	24	30	30	52	23	25	19	14	14	20	20	21	13	18	572	total

Month of fatal accidents in hotel/restaurant/amusement service 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	4		6	2		1	1	1	1	3	6	1	1	1	4	4	1	3	1	3	1	2	1	48	January
February	2	3	2	1	2	4	1	1	2		4		2	2	2	2	1		5				2	38	February
March	5	3		2	3	3	2	1	3	2	5	1	39	1	3	1	2	2	2		2	2		84	March
April	2	3	1	2	3	2		1	6	1	2	3	1	2	1	2	2		2	2	4	1	4	47	April
May	2	1	3	2	4	1	3	1	1	4	1	1		2	2		1	1		3	2	3	2	40	May
June	2	1	2	1	3		3	6	1	5	1	1	2	2	3		2			4	1		3	43	June
July	2	1	7	2	3	1	1	4	2	1	1	4		3	2	5	2	3	2	2	3	1	1	53	July

August	3	2	2	2	2	1	2		6		2	3	2	1	2	1		2		1	1		2	37	August
September	2	3	18	3	1	3		5	2	1	2	5	1	3	2	1	1	2	1	1	3			60	September
October	4	4	2	5	2	1	1	1	1	3	1	4	3	1	1	2	1		2	2	2	2	1	46	October
November	1	2		1	3		2	3		2	4	1		2	1	1		1	3	2	1	1		31	November
December	4	4	5	4	2	3	1			2	1	6	1	3	2		1		2		1	1	2	45	December
total	33	27	48	27	28	20	17	24	25	24	30	30	52	23	25	19	14	14	20	20	21	13	18	572	total

Prefecture of fatal accidents in hotel/restaurant/amusement service 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	5	2	3	2	2	1		3	2		2	2	1	1	2	1	3	1	1	1	4	1	3	43	Hokkaido
Aomori										1														1	Aomori
Iwate			1	1									20				1		2				1	26	Iwate
Miyagi										3	1		15	1						1				21	Miyagi
Akita			1				1							2				1						5	Akita
Yamagata			1		1		2	1		1	1										1		1	9	Yamagata
Fukushima			2		1		1		1	1	1			2	1	2					2	1	1	16	Fukushima
Ibaraki			3	1		1	1		2			3		1		1				1	1		1	16	Ibaraki
Tochigi	2	1	1	3	1	1	1	1			1	3			1			1	1	1			1	20	Tochigi
Gunma		1				1				2	1				1	2	1	1	1	1				12	Gunma
Saitama	1	1	1	1	2	1	1	1	1		1	1	1		1				1					15	Saitama
Chiba	2	2	1	3	1	1	1	1	1	2	4				1				3		1	1		25	Chiba
Tokyo	3	1	18	1	2	2	1	4	1		3	1	1	2	1		1		2	2		2		48	Tokyo
Kanagawa		1	2	2		2			1	1	1		1	1	1								2	15	Kanagawa
Niigata		2	2		1	1			1		2	2						1				2		14	Niigata

Fukuoka	2			1		1	1	1		1		1	2	2					1	1	1	1		16	Fukuoka
Saga																									Saga
Nagasaki				1			1				1	1		2		1						1	8	Nagasaki	
Kumamoto	2	1		2				2	1	1	1		1	1							1			13	Kumamoto
Oita			1		1	1		1		2						1								7	Oita
Miyazaki		1																		1	1			3	Miyazaki
Kagoshima										1					1	3				1				6	Kagoshima
Okinawa	1	1	1		1		1				1	2			1			1	1		1	1		13	Okinawa
total	33	27	48	27	28	20	17	24	25	24	30	30	52	23	25	19	14	14	20	20	21	13	18	572	total

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

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