



substance	8	4	13	12	1	16	5	6	5	1	6	5	7	4	1	1		1	3	2		4	5	1	111
electric shock		1	5		2	3			1	2		1		1			1		1		2	1			21
explosion	3		2					1	1	2	1							2	1						13
burst	1		2	1	2			1		1			1							1				2	12
fire	5		2		2	1	2		2								1								15
traffic accident (public road)	89	97	87	76	92	54	54	52	49	21	39	33	35	18	25	25	19	24	18	27	18	14	14	15	995
traffic accident (others)	1	2	2	3	4		2		1	2	1		1	1	1	1	1		1			1			25
reaction to motion/improper motion	518	497	545	571	591	617	592	579	620	546	426	417	413	396	365	344	349	366	330	364	334	343	370	336	10,829
others	37	21	38	29	18	26	26	28	30	20	18	9	26	18	9	16	11	6	15	12	8	16	76	13	526
unclassifiable	16	10	13	16	18	9	9	9	6	6	7	3	7	4	4	3	2	5	5	4	4		2		162
total	3,538	3,333	3,681	3,718	3,837	3,658	3,675	3,445	3,355	2,912	2,596	2,527	2,543	2,373	2,222	2,160	2,046	2,067	1,907	2,097	1,916	1,887	2,142	1,939	65,574

Causal agents (large) of fatal and non-fatal accidents in all kinds of retail in 1999-2022

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	2022	total
machine	231	195	223	184	190	177	174	166	144	144	114	110	103	56	76	40	64	50	42	50	40	29	43	24	2,669
crane, conveying machine	238	249	201	220	219	159	173	123	142	82	91	85	87	74	68	74	59	69	49	61	55	48	49	40	2,715
other equipment	938	950	1,010	1,061	1,140	1,143	1,146	1,127	1,079	928	852	844	828	748	750	686	688	637	590	654	622	658	684	643	20,406



general machine	195	179	205	169	177	158	163	152	137	132	104	104	96	53	70	38	59	45	38	46	38	28	34	22	2,442
mobile silviculture machine																									
crane	13	12	12	11	15	3	8	5	15	6	9	7	5	9	3	6		7	3	1	2	2	4	2	160
conveying machine	114	130	100	117	109	94	95	54	68	40	35	38	37	31	35	33	36	27	22	26	27	23	26	14	1,331
vehicle	111	107	89	92	95	62	70	64	59	36	47	40	45	34	30	35	23	35	24	34	26	23	19	24	1,224
pressure vessel	2	3	2	2	2			1	2	3				1				1	1						20
chemical facilities							1							1					1						3
welding equipment																	1								1
kiln, caldron	3	1	2	6	5	1	8	4	3	6	4	3	1	3	1	4	5	2	3	8	5	1	3	4	86
electric equipment	5	3	3	9	6	9	5	5	6	9	2	8	7	7	7	5	7	3	7	6	11	4	4	7	145
human power machine, tools	561	567	605	676	684	632	659	646	645	528	494	470	469	417	420	374	408	347	309	350	334	368	360	365	11,688
tools	273	277	282	269	336	365	325	310	305	273	262	244	247	216	227	212	187	176	199	206	202	205	214	188	6,000
other equipments, facilities	94	99	116	99	107	136	148	161	118	109	90	119	104	103	95	91	80	108	70	84	70	80	103	79	2,463
temporary buildings, establishments	1,055	1,005	1,135	1,119	1,180	1,140	1,126	1,056	1,023	907	852	838	832	841	751	746	688	787	710	759	693	662	766	710	21,381
hazards, harmful substances	29	26	32	37	28	32	28	32	17	15	15	10	17	14	9	6	10	9	11	8	5	9	10	6	415
materials	168	129	151	145	150	143	136	112	110	84	80	73	76	56	51	68	46	61	54	52	40	38	33	39	2,095











conveying machines			4		3		9	2	2	4	1	2	4	2		1	5	1	2	2	1	3	3	1	52
cars, bus, motorcycle			83		87		61	60	57	35	42	37	43	29	27	34	21	33	21	34	24	20	18	22	788
railway vehicle																									
other vehicles			6		8		9	4	2	1	5	3	2	5	3	1	2	2	3		2	3	1	2	64
boiler										1															1
pressure vessel					1			1									1								3
other pressure vessels			2		1				2	2									1						9
chemical facilities							1												1						3
gas welding equipment																									
arc welding equipment																									
other welding equipment																	1								1
kiln, caldron					4		8	3	2	4	4	2	1	3	1	1	2	1	2	7	5	1	3	3	57
industrial dryer																			1						1
other kiln, caldron			2		1			1	1	2		1				3	3	1		1				1	17
transmission			2				2	1	3	5	2	6	4	5	3	4	6	3	4	3	4	3	3	5	68
electric power facilities							1														2				3
other electrical			1		6		2	4	3	4		2	3	2	4	1	1		3	3	5	1	1	2	48





water			11		7		4		3	3	3	6	11	6	8	3	1	4		6	3		1	2	82
abnormal environment							2					2	1				1	1	1	1					9
high/cold temperature environment			33		13		10	10	12	12	11	11	10	10	8	4	7	7	4	18	8	3	9	8	208
other environments			53		51		52	52	28	32	34	40	47	56	49	47	36	39	27	39	23	16	27	39	787
other causal agent			115		106		82	101	120	64	43	53	62	44	53	71	51	34	64	48	55	46	111	37	1,360
no causal agent			169		218		238	169	195	224	173	169	174	166	148	155	147	131	127	170	161	157	181	190	3,462
unclassifiable			26		24		19	13	5	11	10	8	10	7	3	6	1	3	6	5	3	1	5	2	168
total	3,538	3,333	3,681	3,718	3,837	3,658	3,675	3,445	3,355	2,912	2,596	2,527	2,543	2,373	2,222	2,160	2,046	2,067	1,907	2,097	1,916	1,887	2,142	1,939	65,574

Workers age of fatal and non-fatal accidents in all kinds of retail in 1999-2022

Age	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
19 years old or less	240	206	237	238	261	189	184	168	146	134	102	68	63	58	69	39	56	56	55	46	55	43	66	49	2,828
20-29	695	610	683	711	629	603	579	522	457	340	294	286	254	254	217	240	217	218	159	175	146	173	212	188	8,862
30-39	494	507	514	542	561	539	539	523	479	416	355	297	309	263	252	250	201	194	197	197	127	167	180	147	8,250
40-49	884	778	839	818	888	812	789	694	739	584	512	506	481	467	429	421	395	388	359	371	324	281	341	267	13,367
50-59	1,018	1,031	1,170	1,175	1,274	1,308	1,329	1,310	1,257	1,105	940	955	930	823	754	706	711	685	616	666	632	594	641	582	22,212
60 years old or more	207	201	238	234	224	207	255	228	277	333	393	415	506	508	501	504	466	526	521	642	632	629	702	706	10,055
total	3,538	3,333	3,681	3,718	3,837	3,658	3,675	3,445	3,355	2,912	2,596	2,527	2,543	2,373	2,222	2,160	2,046	2,067	1,907	2,097	1,916	1,887	2,142	1,939	65,574

Workers' number of workplace of fatal and non-fatal accidents in all kinds of retail in 1999-2022

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	2022	total
9 workers or less	465	379	393	360	340	283	294	255	225	163	144	119	161	113	102	101	80	84	86	90	62	60	72	66	4,497
10-29	588	530	560	538	481	443	417	318	312	263	223	188	214	161	179	154	152	155	141	158	169	124	150	143	6,761
30-49	463	385	440	392	375	313	283	271	264	230	200	180	161	141	150	123	119	114	97	105	114	90	114	94	5,218
50-99	624	622	678	676	641	594	641	617	571	481	410	415	370	361	296	288	297	245	228	266	252	253	285	254	10,365
100-299	847	866	954	1,038	1,148	1,186	1,178	1,131	1,124	998	893	894	902	846	818	799	789	809	704	809	742	755	818	747	21,795
300 workers or more	551	551	656	714	852	839	862	853	859	777	726	731	735	751	677	695	609	660	651	669	577	605	703	635	16,938
total	3,538	3,333	3,681	3,718	3,837	3,658	3,675	3,445	3,355	2,912	2,596	2,527	2,543	2,373	2,222	2,160	2,046	2,067	1,907	2,097	1,916	1,887	2,142	1,939	65,574

Month of fatal and non-fatal accidents in all kinds of retail in 1999-2022

Month	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
January	296	271	356	314	336	291	283	281	288	246	232	192	223	238	212	201	164	191	158	216	164	145	195	209	5,702
February	296	281	276	269	255	298	280	254	272	265	192	204	176	233	137	203	172	170	132	155	164	124	161	178	5,147
March	314	305	274	288	333	308	300	270	276	249	229	217	246	184	176	162	189	162	159	167	166	125	171	149	5,419
April	329	273	303	310	328	316	299	290	270	221	250	222	193	196	194	158	176	165	150	158	147	166	187	148	5,449
May	336	284	310	310	357	323	332	320	278	261	223	253	212	211	190	170	171	162	175	179	178	157	169	150	5,711
June	304	270	323	322	345	312	321	294	304	258	193	215	225	187	175	184	174	173	151	184	168	178	184	147	5,591
July	303	317	357	320	333	334	328	313	332	255	218	222	248	207	223	188	174	203	187	204	178	164	226	184	6,018
August	285	271	307	330	351	306	298	301	301	257	241	239	242	198	178	179	187	168	160	170	178	160	201	152	5,660

September	280	268	300	298	297	291	294	300	258	235	198	205	185	181	175	183	170	171	164	187	151	174	151	163	5,279
October	279	283	321	339	298	317	316	298	281	225	197	190	190	174	191	178	163	165	170	189	156	173	153	152	5,398
November	259	265	263	302	316	267	289	273	231	223	209	175	182	180	188	169	135	166	144	144	116	162	153	121	4,932
December	257	245	291	316	288	295	335	251	264	217	214	193	221	184	183	185	171	171	157	144	150	159	191	186	5,268
total	3,538	3,333	3,681	3,718	3,837	3,658	3,675	3,445	3,355	2,912	2,596	2,527	2,543	2,373	2,222	2,160	2,046	2,067	1,907	2,097	1,916	1,887	2,142	1,939	65,574

Prefecture of fatal and non-fatal accidents in all kinds of retail in 1999-2022

Prefecture	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
Hokkaido	167	166	197		185		176	167	139	104	107	110	102	64	87	61	69	67	59	96	80	73	92	74	2,442
Aomori	37	20	23		27		15	13	18	14	16	10	10	9	8	13	7	5	8	9	8	5	7	12	294
Iwate	24	29	38		49		28	24	14	17	18	14	18	12	7	7	2	10	6	3	5	10	3	9	347
Miyagi	85	110	106		120		109	78	116	83	43	52	41	55	92	110	95	39	27	58	45	21	26	46	1,557
Akita	32	43	25		33		30	44	51	51	24	18	21	24	17	13	17	22	11	22	15	19	12	9	553
Yamagata	44	52	50		47		50	37	38	45	44	46	60	42	59	50	46	47	57	64	43	33	96	18	1,068
Fukushima	65	62	47		88		81	52	53	49	51	53	56	48	51	49	31	35	23	34	26	31	30	32	1,047
Ibaraki	112	102	99		76		52	34	39	50	35	25	38	40	35	43	37	31	31	31	28	31	41	24	1,034
Tochigi	75	78	65		54		55	39	43	62	39	33	43	39	34	35	33	28	30	21	29	30	30	30	925
Gunma	80	57	73		66		86	93	74	45	42	44	26	13	20	18	21	18	24	13	20	18	27	39	917
Saitama	154	122	168		240		246	249	206	201	142	152	151	143	156	107	68	90	82	71	60	70	87	71	3,036
Chiba	199	159	219		191		236	173	184	157	133	103	101	114	92	89	103	134	106	114	80	113	120	102	3,022
Tokyo	340	325	325		416		399	378	388	281	255	265	236	277	178	207	193	177	199	212	156	168	197	150	5,722
Kanagawa	325	297	310		368		327	308	326	274	241	245	252	218	221	185	199	218	178	191	243	189	183	183	5,481

Niigata	37	31	32		40		35	24	33	37	23	21	18	24	19	24	18	20	22	27	26	21	26	30	588
Toyama	11	29	28		29		31	15	10	7	13	15	29	13	12	7	5	16	6	10	10	10	9	13	328
Ishikawa	19	8	18		14		18	16	20	11	17	14	21	24	9	14	15	20	9	11	17	14	29	26	364
Fukui	21	14	13		11		18	30	19	12	9	13	16	12	9	15	14	18	14	14	15	15	12	13	327
Yamanashi	31	21	20		38		45	42	31	34	27	21	21	16	31	21	22	27	17	11	11	12	14	21	534
Nagano	52	40	43		79		57	62	59	58	44	44	43	39	23	32	43	24	17	19	21	23	15	15	852
Gifu	52	63	76		82		71	95	88	72	64	52	60	60	58	61	47	60	66	55	32	47	44	56	1,361
Shizuoka	67	75	111		116		110	105	110	75	72	79	86	50	51	46	44	69	41	38	52	38	36	34	1,505
Aichi	174	178	154		176		146	154	138	141	133	135	150	129	109	132	93	112	116	134	115	137	161	163	3,080
Mie	84	77	85		88		93	106	77	63	48	47	69	80	46	46	55	35	20	54	40	58	56	61	1,388
Shiga	23	14	37		24		70	58	39	34	48	47	39	50	41	40	52	47	51	50	48	33	52	32	929
Kyoto	43	65	59		61		76	75	61	52	38	51	47	44	57	47	50	39	44	26	25	18	32	25	1,035
Osaka	243	263	290		283		238	256	273	243	224	194	208	198	188	164	165	162	171	212	181	162	199	189	4,706
Hyogo	159	131	166		163		174	140	119	87	97	124	115	113	101	93	86	73	76	90	91	93	111	107	2,509
Nara	63	49	50		70		57	38	45	43	71	43	37	35	35	30	41	34	23	31	28	23	26	34	906
Wakayama	35	39	39		28		25	21	22	19	14	16	23	24	15	15	13	9	12	25	18	18	15	10	455
Tottori	5	6	12		20		8	13	11	4	8	8	9	5	8	6	6	10	10	8	6	6	8	5	182
Shimane	15	13	19		17		15	10	22	14	13	7	8	8	13	11	10	8	13	13	21	12	12	9	283
Okayama	38	41	30		51		46	49	30	36	23	19	11	13	16	6	20	12	17	15	13	12	7	10	515
Hiroshima	48	67	105		52		67	53	68	45	46	42	60	42	40	38	36	38	45	39	25	21	27	14	1,018
Yamaguchi	30	35	37		23		40	24	24	29	21	38	24	11	8	10	12	10	10	14	13	15	7	7	442
Tokushima	31	17	41		30		41	29	35	32	27	23	12	12	18	12	11	9	10	12	14	18	14	9	457
Kagawa	22	30	37		36		36	40	46	38	46	40	30	42	33	28	37	26	32	24	20	25	28	29	725

Ehime	16	25	14		27		21	30	29	16	14	6	14	10	14	6	9	9	12	13	6	16	16	23	346
Kochi	61	43	40		32		43	49	32	38	42	39	29	21	30	42	27	34	35	28	30	32	20	11	758
Fukuoka	157	121	124		85		61	54	58	67	81	73	56	60	61	80	67	74	51	48	62	71	82	58	1,651
Saga	43	30	31		27		16	26	27	33	18	22	29	26	14	20	23	19	11	22	11	13	7	10	478
Nagasaki	74	51	56		35		18	36	25	24	18	18	16	15	14	10	5	17	15	19	17	13	14	10	520
Kumamoto	34	54	59		41		33	32	24	27	21	35	36	34	33	33	29	25	28	28	27	26	21	31	711
Oita	23	13	27		30		17	26	26	38	29	14	10	7	3	7	9	13	9	2	5	5	4	2	319
Miyazaki	35	31	34		33		29	19	24	19	19	18	14	15	16	17	15	19	11	11	28	14	21	12	454
Kagoshima	46	24	44		32		20	23	22	24	31	30	34	27	26	48	36	41	30	34	27	31	42	39	711
Okinawa	7	13	5		4		10	6	19	7	7	9	14	16	14	12	10	17	22	21	23	24	24	32	316
total	3,538	3,333	3,681	3,718	3,837	3,658	3,675	3,445	3,355	2,912	2,596	2,527	2,543	2,373	2,222	2,160	2,046	2,067	1,907	2,097	1,916	1,887	2,142	1,939	65,574

Fatal and non-fatal accidents mean fatal and non-fatal injuries and occupational diseases with work absence of 4 days and more.

Data of 2022 year do not include Covid-19 cases. Data of 2020 & 2021 year include Covid-19 cases. Fatal and non-fatal data are same situation.

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.html> (MHLW, Japan)

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Fatal accidents in all kinds of retail in Japan in 1999-2022

all kinds of retail industry Code No.080201





















standing tree																									
water													7	1											8
abnormal environment																									
high/cold temperature environment																									
other environments																									
other causal agent	1	1	1		1	1		1	1																7
no causal agent						3			2			1						1							7
unclassifiable																									
total	7	10	6	5	9	7	5	2	7	3	1	2	11	1			2	1						1	80

Workers age of fatal accidents in all kinds of retail in 1999-2022

Age	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
19 years old or less	1	1			1	1																			4
20-29	3	4	2	1	2	2	2		1	1			2												20
30-39	2	2	2	1	3	2	1		3	2			3												21
40-49		1	1	2		1	1	2				1	2				1	1							13
50-59		1	1	1	3	1	1		2		1	1	2				1							1	16
60 years old or more	1	1							1				2	1											6
total	7	10	6	5	9	7	5	2	7	3	1	2	11	1			2	1						1	80

Workers' number of workplace of fatal accidents in all kinds of retail in 1999-2022







Fukuoka					3																		3	
Saga																								
Nagasaki																								
Kumamoto																								
Oita																								
Miyazaki						1																		1
Kagoshima																								
Okinawa																								
total	7	10	6	5	9	7	5	2	7	3	1	2	11	1			2	1					1	80

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

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