



contact to harmful substance	22	22	21	31	12	32	23	25	26	23	24	21	24	16	20	18	18	17	18	21	25	36
electric shock	0	2	7	6	5	4	1	2	6	5	1	4	5	4	3	5	5	2	4	5	2	5
explosion	9	6	5	5	6	3	7	5	7	7	2	3	9	4	6	1	2	7	3	2	6	2
burst	13	14	13	15	11	13	13	11	14	15	9	8	6	8	7	8	5	12	5	6	7	10
fire	15	11	6	10	6	11	8	14	15	7	4	6	10	7	8	6	3	8	4	6	5	1
traffic accident (public road)	1,607	1,681	1,820	1,846	1,758	1,703	1,699	1,694	1,577	1,547	1,592	1,605	1,470	1,624	1,512	1,632	1,524	1,499	1,520	1,616	1,483	1,445
traffic accident (others)	18	15	14	11	11	5	17	24	18	18	11	8	12	16	11	12	12	13	12	14	18	14
reaction to motion/improper motion	1,234	1,248	1,353	1,412	1,413	1,464	1,542	1,632	1,689	1,706	1,483	1,570	1,595	1,694	1,563	1,671	1,662	1,794	1,932	1,996	2,095	2,388
others	97	84	96	102	93	99	102	99	98	102	107	100	163	94	79	71	93	88	94	88	77	198
unclassifiable	41	34	44	48	29	33	33	43	36	32	20	22	26	36	18	16	25	22	24	21	23	19
total	11,007	11,201	11,968	12,187	12,350	12,504	12,895	12,669	12,453	12,657	11,914	12,329	12,849	13,099	12,808	13,365	13,030	13,444	13,881	14,947	14,666	15,341

Causal agents (middle) of industrial accidents in retail in 1999-2020

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
engine	3	4	5	2	2	4	3	1	5	0	1	4	3	4	0	1	5	5	2	0	5	2
power transmission	25	22	18	15	21	17	11	13	12	15	13	9	17	18	17	9	8	20	9	9	10	7

mechanism																						
woodworking machine	50	56	40	42	41	53	44	43	38	40	33	31	34	40	28	32	30	21	21	28	30	29
construction machine	36	24	39	33	30	23	28	25	27	24	30	22	26	23	24	35	31	27	22	17	19	22
metal manufacturing machine	67	43	50	56	44	51	39	32	33	40	28	32	24	21	26	32	21	27	27	29	24	28
general machine	485	491	504	486	505	473	501	490	488	500	452	484	468	426	462	396	439	420	393	451	443	412
mobile silviculture machine																	0	0	1	0	0	0
crane	65	68	76	50	74	51	63	55	68	65	60	53	45	51	44	59	44	41	47	59	56	37
conveying machine	617	670	617	655	610	561	585	554	558	502	400	442	477	455	384	466	454	463	417	453	463	443
vehicle	1,971	2,035	2,159	2,182	2,124	2,089	2,114	2,024	1,940	1,986	1,939	1,941	1,837	1,953	1,904	1,924	1,878	1,790	1,818	1,928	1,749	1,697
pressure vessel	19	20	24	16	21	8	9	12	17	12	13	9	8	12	12	10	8	13	11	5	9	7
chemical facilities	0	0	1	-	0	3	4	1	1	0	0	0	0	1	1	2	1	0	2	0	1	0
welding equipment	4	2	3	7	4	3	1	3	1	9	4	1	2	0	5	1	6	5	0	2	6	3
kiln, caldron	12	4	6	15	10	8	19	20	12	27	19	17	18	15	22	20	20	15	19	32	26	23
electric	13	15	10	23	17	16	15	10	25	22	15	15	18	16	25	29	31	15	34	36	35	33

equipment																							
human power machine, tools	1,075	1,137	1,201	1,293	1,294	1,383	1,420	1,495	1,431	1,382	1,413	1,334	1,437	1,440	1,471	1,414	1,501	1,502	1,540	1,624	1,670	1,907	
tools	656	734	743	781	883	981	949	954	957	1,026	962	952	1,027	1,054	1,126	1,182	1,108	1,199	1,337	1,428	1,547	1,494	
other equipments, facilities	243	262	261	258	261	344	357	376	376	359	353	414	389	426	452	484	436	471	406	477	465	507	
temporary buildings, establishments	3,015	3,028	3,270	3,354	3,576	3,550	3,629	3,584	3,545	3,627	3,548	3,817	4,011	3,986	3,872	4,028	4,084	4,398	4,516	4,808	4,732	4,873	
hazards, harmful substances	94	85	93	111	91	102	98	95	77	75	72	72	87	87	79	53	58	84	66	76	71	77	
materials	474	456	475	473	445	499	485	439	424	405	332	365	336	372	339	366	314	350	317	327	319	342	
load	925	959	1,070	1,083	1,055	1,052	1,125	1,160	1,209	1,198	1,014	997	965	1,056	1,020	1,136	1,059	1,116	1,135	1,152	1,211	1,406	
natural environment	332	334	502	334	328	383	450	403	311	401	354	407	649	617	579	675	491	597	599	776	521	538	
other causal agent	291	283	269	253	278	286	274	286	268	230	187	217	267	250	220	280	257	203	311	276	288	332	
no causal agent	472	425	471	598	590	518	624	547	584	670	634	659	670	748	666	695	720	648	802	925	948	1,103	
unclassifiable	63	44	61	67	46	46	48	47	46	42	38	35	34	28	30	36	26	14	29	29	18	19	
total	11,007	11,201	11,968	12,187	12,350	12,504	12,895	12,669	12,453	12,657	11,914	12,329	12,849	13,099	12,808	13,365	13,030	13,444	13,881	14,947	14,666	15,341	

Causal agents (small) of industrial accidents in retail in 1999-2020

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
engine			5		2		3	1	5	0	1	4	3	4	0	1	5	5	2	0	5	2
power transmission mechanism			18		21		11	13	12	15	13	9	17	18	17	9	8	20	9	9	10	7
circular sawing machine			20		19		26	26	19	28	20	16	18	23	10	14	17	16	10	17	17	16
band sawing machine			3		2		2	1	3	1	1	0	2	1	2	1	2	1	1	0	0	3
wood planer machine			3		5		6	4	4	1	2	6	4	5	8	0	2	1	3	3	2	1
hollow chisel mortiser, wood borer			1		1		1	1	0	1	2	1	0	1	0	0	1	0	0	0	1	0
chamfering machine, router, woodworking milling machine			0		0		0	3	0	0	1	0	1	0	1	1	2	0	0	0	0	0
chain saw			4		3		0	0	2	3	2	2	4	3	1	6	2	1	3	1	2	3
other woodworking machines			9		11		9	8	10	6	5	6	5	7	6	10	4	2	4	7	8	6
leveling, transporting or loading machine			10		9		9	7	9	9	5	9	13	7	7	11	11	8	7	8	4	6
excavating machine			17		14		10	12	12	9	17	6	12	11	11	17	16	10	8	7	10	13
foundation work machine			1		0		1	1	0	0	0	1	0	0	0	0	0	0	1	0	0	0
hardening machine			1		1		0	0	1	1	1	1	1	0	1	1	1	0	0	0	0	1
demolition machine			2		2		1	0	0	0	0	1	0	1	1	1	1	3	1	0	1	0
vehicle for high lift			2		1		1	1	1	2	3	0	0	0	2	0	1	3	1	1	1	0



industrial robot			2		2		0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
other general power machines			168		171		173	176	157	137	147	126	121	132	140	126	127	124	102	132	139	124
felling machine																	0	0	1	0	0	0
mobile logging machine																	0	0	0	0	0	0
skyline yarding machine																	0	0	0	0	0	0
other mobile silviculture machine																	0	0	0	0	0	0
crane			11		20		12	11	13	11	11	8	8	6	8	16	4	6	7	11	10	6
mobile crane			23		14		12	7	14	14	13	14	8	7	12	14	11	14	5	8	7	5
derrick crane			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
elevator, lift			33		38		33	26	37	32	33	23	21	23	19	26	24	20	29	31	29	20
cargo lifting appliance			0		0		0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0
gondola			1		0		0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0
lumberyard equipment, logging cableway			2		0		0	0	0	0	0	0	0	2	0	0	1	0	0	0	0	0
simple skyline yarding equipment																	0	0	0	0	0	0
other powered crane			6		2		6	11	4	7	3	8	8	13	5	3	4	1	5	8	9	6
truck			485		477		437	425	430	375	318	356	375	352	309	355	345	352	326	351	373	353
forklift			88		83		94	83	87	85	50	63	66	60	52	72	65	66	46	64	59	61

railway equipment			0		0		1	0	0	1	0	0	0	0	0	0	0	0	1	0	1	
conveyor			21		25		30	25	23	18	17	8	18	22	15	22	16	19	16	18	15	12
loader			3		3		2	6	0	2	2	0	2	1	1	1	1	4	1	1	1	2
straddle carrier			0		0		0	1	0	0	1	0	0	0	0	1	0	0	1	1	0	0
rough terrain hauler			0		0		1	0	1	1	2	0	1	0	0	0	1	1	1	1	0	0
other powered conveying machines			20		22		20	14	17	20	10	15	15	20	7	15	26	21	26	16	15	14
cars, bus, motorcycle			2,017		1,988		2,007	1,936	1,856	1,903	1,868	1,861	1,746	1,852	1,826	1,880	1,839	1,753	1,770	1,902	1,723	1,669
railway vehicle			6		3		1	2	2	3	2	2	7	1	0	2	4	1	2	2	2	2
other vehicles			136		133		106	86	82	80	69	78	84	100	78	42	35	36	46	24	24	26
boiler			0		1		0	1	1	4	2	0	0	0	1	0	0	0	1	0	1	0
pressure vessel			5		3		0	2	1	2	2	1	0	1	0	1	0	3	2	1	3	1
other pressure vessels			19		17		9	9	15	6	9	8	8	11	11	9	8	10	8	4	5	6
chemical facilities			1		0		4	1	1	0	0	0	0	1	1	2	1	0	2	0	1	0
gas welding equipment			2		2		1	2	1	4	2	1	1	0	2	1	2	3	0	1	3	1
arc welding equipment			1		1		0	1	0	1	2	0	1	0	2	0	3	1	0	1	2	2
other welding equipment			0		1		0	0	0	4	0	0	0	0	1	0	1	1	0	0	1	0
kiln, caldron			4		9		17	17	11	23	16	16	12	12	17	10	11	12	15	31	23	22
industrial dryer			0		0		1	1	0	1	1	0	2	1	2	2	1	0	3	0	1	0
other kiln, caldron			2		1		1	2	1	3	2	1	4	2	3	8	8	3	1	1	2	1
transmission			3		3		7	3	14	10	9	9	10	9	13	12	20	11	26	21	19	15
electric power facilities			0		0		2	2	1	2	0	2	2	0	0	3	2	0	0	2	4	1



other electrical equipment			7	14	6	5	10	10	6	4	6	7	12	14	9	4	8	13	12	17
human power cranes			10	4	14	12	8	4	1	2	5	4	2	5	6	2	5	14	64	135
human power hauling equipment			551	569	675	742	697	690	770	737	801	800	823	777	852	879	897	1,030	995	1,043
human power machine			17	6	12	7	14	9	6	12	7	12	15	12	8	11	11	13	15	10
hand tool			623	715	719	734	712	679	636	583	624	624	631	620	635	610	627	567	596	719
ladder			411	437	513	462	497	518	497	509	541	572	579	622	585	636	656	728	797	789
slinging tool			7	5	9	6	4	10	4	6	6	3	12	4	7	7	6	5	8	1
other tools			325	441	427	486	456	498	461	437	480	479	535	556	516	556	675	695	742	704
other equipment, facilities			261	261	357	376	376	359	353	414	389	426	452	484	436	471	406	477	465	507
scaffolding			11	21	15	14	16	10	8	4	7	8	8	6	9	9	9	15	14	3
timbering			0	0	0	0	0	3	0	1	0	0	1	0	0	0	1	0	0	0
stairs, landing stage			821	951	897	902	892	841	840	844	890	741	784	819	789	873	840	822	876	888
opening			30	27	17	20	25	15	34	28	24	31	30	36	36	21	32	29	41	29
roof, beam, haze, crossbeam, principal rafter			43	38	30	32	20	23	26	25	36	27	21	26	23	25	18	23	18	13
working platform, boot board			362	443	375	411	399	417	379	430	386	437	396	426	471	441	488	508	522	459
passage			1,338	1,369	1,592	1,516	1,523	1,631	1,572	1,737	1,924	2,029	1,949	1,986	1,958	2,270	2,351	2,607	2,495	2,558
building, establishment			399	403	407	399	416	391	411	432	451	422	416	380	426	408	440	475	365	482

other temporary buildings, establishments			266		324		296	290	254	296	278	316	293	291	267	349	372	351	337	329	401	441
explosive substance			1		3		0	1	1	1	0	3	0	0	2	0	0	1	0	1	1	1
inflammable substance			27		17		15	17	17	20	14	18	12	21	12	11	9	5	9	16	11	7
inflammable gas			10		14		12	5	8	8	7	5	14	4	5	4	1	14	4	7	5	3
harmful substance			7		6		9	11	7	11	9	13	13	8	10	5	8	14	3	8	10	12
radiation			0		1		0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other hazards, harmful substances			48		50		62	60	44	35	42	33	48	54	50	33	40	50	50	44	44	54
metal material			176		129		172	140	121	127	82	114	87	114	98	120	77	113	110	100	102	112
lumber, bamboo			68		77		85	68	52	59	47	53	54	63	51	48	50	60	45	55	50	54
stone, sand, substance			43		32		25	34	30	32	10	21	18	18	19	21	21	17	27	13	20	24
other materials			188		207		203	197	221	187	193	177	177	177	171	177	166	160	135	159	147	152
load			1,008		1,011		1,070	1,103	1,163	1,133	970	959	927	998	982	1,097	1,018	1,089	1,104	1,119	1,175	1,367
machine/equipment as load			62		44		55	57	46	65	44	38	38	58	38	39	41	27	31	33	36	39
natural ground, rock			40		22		32	24	19	19	16	14	17	19	17	14	19	18	18	15	22	20
standing tree			5		7		3	5	7	2	6	7	12	6	4	9	10	8	7	7	9	12
water			20		15		20	20	24	17	15	23	143	21	24	25	12	19	15	31	24	21
abnormal environment			6		1		6	2	0	2	2	6	5	9	2	2	1	3	2	5	2	0
high/cold temperature environment			94		33		28	44	35	53	35	52	68	67	73	57	44	51	46	116	91	80
other environments			337		250		361	308	226	308	280	305	404	495	459	568	405	498	511	602	373	405

other causal agent			269		278		274	286	268	230	187	217	267	250	220	280	257	203	311	276	288	332
no causal agent			471		590		624	547	584	670	634	659	670	748	666	695	720	648	802	925	948	1,103
unclassifiable			61		46		48	47	46	42	38	35	34	28	30	36	26	14	29	29	18	19
total			11,968		12,350		12,895	12,669	12,453	12,657	11,914	12,329	12,849	13,099	12,808	13,365	13,030	13,444	13,881	14,947	14,666	15,341

#### Workers age of industrial accidents in retail in 1999-2020

Age	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
19 years old or less	620	578	647	627	635	529	552	507	463	456	384	326	341	357	379	367	377	352	373	413	408	428
20-29	2,483	2,411	2,636	2,513	2,378	2,378	2,261	2,109	1,962	1,828	1,750	1,703	1,699	1,773	1,661	1,711	1,639	1,600	1,525	1,620	1,515	1,615
30-39	1,730	1,841	1,935	2,056	2,139	2,181	2,122	2,195	2,209	2,111	1,957	1,949	1,962	1,978	1,837	1,773	1,742	1,583	1,589	1,754	1,538	1,581
40-49	2,339	2,273	2,307	2,325	2,353	2,381	2,386	2,280	2,328	2,326	2,177	2,286	2,385	2,439	2,497	2,558	2,524	2,541	2,602	2,723	2,649	2,651
50-59	2,711	2,872	3,196	3,325	3,475	3,545	3,912	3,939	3,752	3,742	3,395	3,482	3,552	3,435	3,259	3,444	3,381	3,539	3,648	3,825	3,808	3,983
60 years old or more	1,124	1,226	1,247	1,341	1,370	1,490	1,662	1,639	1,739	2,194	2,251	2,583	2,910	3,117	3,175	3,512	3,367	3,829	4,144	4,612	4,748	5,083
total	11,007	11,201	11,968	12,187	12,350	12,504	12,895	12,669	12,453	12,657	11,914	12,329	12,849	13,099	12,808	13,365	13,030	13,444	13,881	14,947	14,666	15,341

#### Workers' number of workplace of industrial accidents in retail in 1999-2020

Workers scale	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
9 workers or less	2,616	2,660	2,790	2,727	2,682	2,639	2,758	2,534	2,447	2,490	2,254	2,311	2,454	2,422	2,275	2,316	2,185	2,275	2,313	2,559	2,366	2,418
10-29	3,341	3,397	3,568	3,588	3,487	3,552	3,541	3,407	3,388	3,470	3,270	3,456	3,616	3,747	3,630	3,817	3,692	3,871	3,995	4,330	4,294	4,337

30-49	1,507	1,594	1,714	1,728	1,763	1,812	1,831	1,826	1,797	1,862	1,771	1,800	1,834	1,949	1,933	2,096	1,912	1,959	2,034	2,109	2,102	2,123
50-99	1,453	1,449	1,561	1,632	1,618	1,639	1,863	1,903	1,832	1,895	1,841	1,945	2,010	1,973	2,116	2,183	2,174	2,143	2,283	2,460	2,447	2,683
100-299	1,387	1,382	1,516	1,625	1,777	1,810	1,842	1,905	1,924	1,946	1,847	1,915	1,996	2,020	1,954	2,014	2,179	2,298	2,335	2,484	2,552	2,797
300 workers or more	703	719	819	887	1,023	1,052	1,060	1,094	1,065	994	931	902	939	988	900	939	888	898	921	1,005	905	983
total	11,007	11,201	11,968	12,187	12,350	12,504	12,895	12,669	12,453	12,657	11,914	12,329	12,849	13,099	12,808	13,365	13,030	13,444	13,881	14,947	14,666	15,341

Month of industrial accidents in retail in 1999-2020

Month	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
January	962	924	1,287	1,079	1,212	1,218	1,117	1,215	1,067	1,199	1,108	1,110	1,332	1,230	1,346	1,156	1,191	1,403	1,408	1,683	1,307	1,224
February	1,000	998	968	974	954	1,008	1,116	1,084	968	1,266	990	1,064	1,041	1,277	994	1,464	1,011	1,135	1,134	1,245	1,195	1,151
March	891	1,065	1,005	1,011	1,068	1,074	1,099	1,076	1,073	1,075	1,042	1,129	1,200	1,097	1,010	1,136	1,198	1,123	1,118	1,219	1,274	1,173
April	952	908	966	1,004	1,027	1,035	1,058	985	1,012	1,022	982	1,012	931	1,044	1,012	993	1,070	1,043	1,104	1,112	1,103	1,204
May	953	929	995	1,064	1,032	1,032	1,061	1,052	1,065	1,052	946	1,018	1,011	1,064	1,017	1,033	1,044	1,120	1,083	1,148	1,185	1,245
June	954	907	992	991	1,024	1,062	1,071	1,059	1,108	1,035	971	1,064	1,076	1,065	1,033	1,049	1,069	1,087	1,098	1,203	1,249	1,423
July	964	1,003	1,026	1,087	1,070	1,086	1,080	1,128	1,134	1,066	1,068	1,045	1,096	1,133	1,111	1,085	1,139	1,135	1,211	1,311	1,307	1,434
August	857	838	984	1,040	1,042	1,011	981	1,067	1,115	1,030	1,054	1,096	1,112	1,062	1,046	1,080	1,090	1,098	1,127	1,169	1,299	1,273
September	901	912	906	963	936	1,056	995	1,013	940	987	895	964	1,041	1,020	999	1,022	1,073	1,076	1,155	1,293	1,187	1,347
October	876	956	1,030	1,032	981	1,035	1,081	1,016	1,056	1,006	1,005	972	992	1,025	1,121	1,126	993	1,060	1,188	1,282	1,179	1,310
November	811	891	883	953	1,012	914	971	995	942	938	917	891	940	1,004	1,040	999	1,026	1,061	1,052	1,133	1,159	1,228
December	886	870	926	989	992	973	1,265	979	973	981	936	964	1,077	1,078	1,079	1,222	1,126	1,103	1,203	1,149	1,222	1,329
total	11,007	11,201	11,968	12,187	12,350	12,504	12,895	12,669	12,453	12,657	11,914	12,329	12,849	13,099	12,808	13,365	13,030	13,444	13,881	14,947	14,666	15,341



Nagano	159	151	176		195		183	185	206	174	186	194	203	229	224	231	253	223	272	263	272	299
Gifu	125	147	165		183		204	193	184	176	177	210	178	197	185	193	164	221	236	226	216	234
Shizuoka	367	405	422		434		383	411	437	379	416	399	409	397	419	415	406	422	414	462	469	483
Aichi	588	591	627		632		691	673	638	676	695	700	730	692	640	791	653	694	800	860	772	841
Mie	201	184	217		193		215	223	211	227	197	219	234	259	214	217	207	228	256	255	243	299
Shiga	107	112	109		98		150	134	136	139	130	137	138	157	131	103	134	144	162	145	142	154
Kyoto	196	307	256		272		278	254	270	238	249	272	274	271	264	271	259	232	257	248	254	253
Osaka	650	733	778		809		863	866	843	854	737	744	808	808	853	882	818	791	842	971	961	922
Hyogo	474	439	485		529		581	501	538	512	475	545	519	562	527	535	554	563	578	608	587	597
Nara	134	122	115		158		170	140	149	201	208	182	177	165	180	169	171	180	194	207	180	192
Wakayama	88	95	103		105		131	111	108	115	104	99	114	78	89	111	78	85	87	121	134	100
Tottori	43	54	66		65		67	55	57	60	42	45	67	48	58	62	51	47	64	68	57	61
Shimane	81	79	75		92		72	72	59	76	70	58	70	85	96	66	79	65	87	90	90	79
Okayama	140	167	162		175		221	198	188	199	182	195	187	201	215	182	207	187	222	219	190	231
Hiroshima	287	283	310		295		312	297	295	283	297	259	299	287	287	281	332	301	336	336	323	331
Yamaguchi	157	146	158		157		191	186	158	173	169	192	177	181	157	147	157	174	179	188	160	198
Tokushima	73	52	89		70		93	62	73	73	64	66	65	76	68	70	61	62	83	78	78	96
Kagawa	102	137	117		111		129	128	116	112	123	144	114	156	129	121	127	120	142	132	148	140
Ehime	99	120	122		135		142	118	124	128	101	107	143	136	158	143	142	136	136	168	130	160
Kochi	126	122	123		117		95	100	66	81	80	84	100	103	70	104	86	95	98	85	97	119
Fukuoka	551	536	565		542		642	583	599	574	580	595	594	647	603	689	684	752	709	713	720	799
Saga	114	86	75		88		81	99	95	95	86	91	79	92	87	111	109	99	87	166	117	136
Nagasaki	122	125	124		154		136	134	140	129	147	154	133	141	139	152	143	164	184	169	182	211

Kumamoto	162	206	207		189		185	198	193	183	175	197	220	191	194	200	186	218	219	207	199	220
Oita	134	100	118		116		129	108	134	122	116	130	104	118	132	138	149	154	138	126	166	153
Miyazaki	113	131	119		132		127	134	135	122	124	110	123	99	112	112	127	132	133	142	171	173
Kagoshima	119	123	122		165		156	126	128	188	140	144	154	147	167	194	164	183	183	195	207	190
Okinawa	52	60	83		66		71	88	77	84	89	86	106	106	94	85	100	126	108	122	137	122
total	11,007	11,201	11,968		12,350		12,895	12,669	12,453	12,657	11,914	12,329	12,849	13,099	12,808	13,365	13,030	13,444	13,881	14,947	14,666	15,341

Industrial accidents mean fatal and non-fatal injuries with work absence of 4 days and more. Data of 2011 year include Industrial accidents caused by Great East Japan Earthquake in 2011.

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

Return to [https://www.jisha.or.jp/english/statistics/2020e\\_industry.html](https://www.jisha.or.jp/english/statistics/2020e_industry.html)

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### Fatal accidents in retail in Japan in 1999-2020

retail industry Code No.0802

### Type of fatal accidents in retail in 1999-2020

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
fall from height	4	10	7	7	3	7	8	9	5	6	10	11	11	2	9	7	7	6	9	5	5	6
falling to same level	4	1	2	2	2	2	3	4	2	0	3	1	1	2	1	0	3	3	2	2	2	1
crash	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
struck by flying or falling object	0	1	1	2	0	1	2	1	0	2	0	0	0	0	0	4	1	1	1	0	0	1





power transmission mechanism	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
woodworking machine	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
construction machine	0	0	1	0	1	0	1	1	2	0	0	0	2	1	0	1	0	0	0	1	0	2
metal manufacturing machine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
general machine	1	1	3	0	0	0	0	0	0	0	0	2	1	0	0	0	1	0	1	0	2	0
mobile silviculture machine																	0	0	0	0	0	0
crane	3	3	1	0	2	2	2	2	3	3	2	2	1	0	0	2	0	2	1	2	1	0
conveying machine	25	33	25	14	21	17	23	19	17	19	12	10	7	14	8	10	10	4	10	6	6	2
vehicle	77	87	77	53	68	55	70	53	43	40	37	41	32	42	30	35	32	37	24	29	26	31
pressure vessel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
chemical facilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
welding equipment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
kiln, caldron	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
electric equipment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
human power machine, tools	2	2	0	3	2	2	2	4	0	3	0	4	0	1	1	0	1	1	1	1	1	0
tools	0	1	3	0	0	1	4	1	0	2	4	4	3	0	3	5	2	2	4	2	0	2
other equipments, facilities	2	2	0	1	0	0	0	0	0	0	1	1	1	1	1	2	2	0	2	0	0	1
temporary buildings, establishments	4	5	6	5	4	4	4	6	6	5	6	9	9	3	6	2	3	7	4	4	3	6
hazards, harmful substances	2	6	2	1	2	0	0	0	0	0	1	0	1	0	0	0	0	1	0	0	0	0
materials	1	0	1	1	0	0	1	0	0	0	1	0	0	0	1	2	1	0	0	0	0	0
load	0	0	0	2	0	2	2	2	1	0	1	1	0	0	1	2	0	1	2	0	0	0
natural environment	1	2	0	1	0	1	3	4	2	2	1	2	130	1	5	1	0	1	3	4	3	5
other causal agent	1	1	2	2	1	4	2	1	1	1	0	0	0	0	0	3	0	0	0	0	0	1



lathe	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
drill press, milling machine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
grinding machine, buffing machine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
power press	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
forging pressure hammer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
shearing machine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other metal manufacturing machines	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
centrifugal machine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
mixer, grinder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
roll machine (except printingroll machine)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
injection molding machine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
food manufacturing machine	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
printing machine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
industrial robot	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other general power machines	1	1	3	0	0	0	0	0	0	0	0	1	1	0	0	0	1	0	1	0	1	0
felling machine																	0	0	0	0	0	0
mobile logging machine																	0	0	0	0	0	0
skyline yarding machine																	0	0	0	0	0	0
other mobile silviculture machine																	0	0	0	0	0	0
crane	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
mobile crane	1	2	1	0	1	0	0	1	1	2	1	1	0	0	0	0	0	0	0	1	0	0
derrick crane	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
elevator, lift	1	1	0	0	1	1	2	0	2	0	1	1	1	0	0	2	0	2	1	1	0	0



kiln, caldron	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
industrial dryer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other kiln, caldron	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
transmission	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
electric power facilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
other electrical equipment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
human power cranes	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
human power hauling equipment	1	1	0	2	1	2	2	3	0	2	0	4	0	1	1	0	0	0	1	1	1	1	0
human power machine	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
hand tool	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
ladder	0	1	3	0	0	1	3	1	0	0	3	3	3	0	3	2	2	2	4	2	0	1	
slinging tool	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
other tools	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	3	0	0	0	0	0	1	
other equipment, facilities	2	2	0	1	0	0	0	0	0	0	1	1	1	1	1	2	2	0	2	0	0	1	
scaffolding	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
timbering	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
stairs, landing stage	1	0	0	0	2	0	1	1	1	3	2	5	2	2	0	1	0	1	2	2	1	2	
opening	1	0	0	0	0	2	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0
roof, beam, haze, crossbeam, principal rafter	0	1	2	1	0	0	2	0	2	0	0	1	2	1	3	1	0	1	0	0	1	1	
working platform, boot board	0	1	2	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
passage	0	1	1	1	1	1	0	1	1	0	1	1	2	0	2	0	2	3	1	1	1	2	
building, establishment	2	2	1	3	0	0	1	1	2	2	2	2	3	0	1	0	0	2	0	1	0	0	
other temporary buildings, establishments	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	

explosive substance	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
inflammable substance	1	6	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0
inflammable gas	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
harmful substance	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
radiation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other hazards, harmful substances	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
metal material	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
lumber, bamboo	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
stone, sand, substance	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other materials	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0
load	0	0	0	2	0	1	2	1	1	0	1	1	0	0	1	2	0	1	2	0	0	0	0	0
machine/equipment as load	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
natural ground, rock	1	0	0	0	0	0	0	2	0	0	1	0	1	0	0	0	0	0	0	0	0	1	0	0
standing tree	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
water	0	1	0	0	0	1	0	0	2	0	0	0	126	1	2	0	0	0	3	0	1	2	0	0
abnormal environment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
high/cold temperature environment	0	0	0	0	0	0	1	0	0	1	0	2	1	0	3	0	0	1	0	2	1	2	0	0
other environments	0	1	0	1	0	0	2	2	0	1	0	0	2	0	0	1	0	0	0	2	0	1	0	0
other causal agent	1	1	2	2	1	4	2	1	1	1	0	0	0	0	3	0	0	0	0	0	0	0	1	0
no causal agent	0	1	1	2	0	4	1	0	3	2	4	4	3	7	3	0	5	3	10	3	1	2	0	0
unclassifiable	0	0	0	0	0	1	1	0	1	2	0	1	0	1	0	1	0	0	0	0	0	0	0	0
total	119	144	122	86	101	93	116	93	80	79	70	81	190	71	59	66	58	59	62	52	43	52	0	0







Yamagata	1	2	1	0	0	0	1	1	0	2	2	0	2	2	2	1	0	0	2	1	0	0
Fukushima	2	6	4	1	1	1	3	3	2	1	1	2	7	4	1	1	2	3	3	1	1	2
Ibaraki	5	3	4	5	2	2	2	7	2	1	2	4	0	6	7	4	4	3	0	2	1	2
Tochigi	2	12	2	0	3	0	2	5	2	4	0	2	0	4	1	1	1	2	3	1	3	2
Gunma	4	1	0	2	0	3	3	1	1	2	5	1	0	3	0	3	1	1	1	0	3	2
Saitama	2	5	5	7	7	9	6	4	3	4	3	6	1	0	3	1	2	3	0	2	2	0
Chiba	10	7	7	1	3	4	3	3	4	4	3	6	2	0	1	3	0	2	3	1	3	2
Tokyo	1	5	5	1	4	4	5	2	7	5	1	6	0	2	1	0	3	0	4	3	1	3
Kanagawa	4	8	5	4	4	3	5	2	1	2	2	2	2	1	1	0	2	2	2	3	1	1
Niigata	4	4	3	1	4	2	3	1	3	0	2	0	0	2	1	0	0	2	0	0	0	1
Toyama	1	3	1	0	1	2	0	1	0	2	1	0	1	1	0	0	1	2	0	0	1	2
Ishikawa	4	1	0	0	0	0	0	1	3	2	3	1	0	1	0	1	1	0	2	0	0	0
Fukui	3	2	0	0	1	0	1	0	1	1	1	0	2	0	3	0	0	0	0	0	2	0
Yamanashi	0	1	0	1	1	0	2	2	0	0	1	1	2	0	0	1	1	0	0	0	0	1
Nagano	3	4	2	2	3	2	5	1	2	1	1	0	1	0	0	1	1	1	2	1	0	3
Gifu	3	4	3	3	2	3	0	0	3	2	1	2	1	2	1	3	1	2	0	4	3	0
Shizuoka	2	5	2	2	2	2	8	6	3	2	0	1	0	2	0	4	1	2	2	4	2	2
Aichi	7	7	9	4	7	5	7	7	3	4	3	1	3	1	2	4	3	3	1	3	5	2
Mie	2	2	5	2	6	5	2	0	1	2	2	2	0	4	2	1	0	0	1	1	1	2
Shiga	2	4	4	2	1	4	2	1	2	1	1	1	1	0	1	2	0	3	1	0	2	0
Kyoto	2	3	2	1	1	2	0	0	1	0	1	3	2	1	1	2	3	1	2	1	1	1
Osaka	5	5	5	7	8	2	12	4	6	3	5	5	4	3	3	2	4	2	5	7	0	3
Hyogo	2	6	4	2	1	5	6	7	1	6	1	4	3	2	1	2	3	4	0	2	0	0

Nara	1	1	2	2	2	0	0	0	3	2	2	0	0	0	0	0	1	0	0	0	0	1
Wakayama	1	1	1	1	0	0	2	0	2	3	2	1	0	2	1	1	1	0	0	0	0	0
Tottori	1	2	1	1	1	0	2	1	0	0	0	1	2	1	1	0	0	0	0	0	0	0
Shimane	1	0	0	0	0	3	0	0	1	2	0	1	0	1	0	0	3	0	1	0	0	0
Okayama	1	3	3	5	2	0	1	1	4	1	0	1	1	2	3	3	2	0	1	0	1	1
Hiroshima	5	3	1	1	4	3	3	0	1	2	2	2	0	5	2	0	2	0	1	0	1	0
Yamaguchi	2	2	2	1	1	4	1	7	0	1	4	3	2	1	1	2	0	2	2	0	0	1
Tokushima	1	0	1	3	1	0	1	4	2	1	0	0	2	1	0	0	1	1	0	1	0	1
Kagawa	1	0	4	2	1	2	3	0	0	1	1	3	0	2	1	1	0	0	2	1	1	1
Ehime	2	5	1	1	1	1	4	1	0	1	2	1	2	1	1	0	2	2	0	1	0	0
Kochi	0	3	1	0	0	0	1	0	2	1	0	1	0	0	0	1	0	1	0	0	0	1
Fukuoka	7	2	5	5	8	3	3	4	3	2	3	3	5	1	3	4	2	3	6	2	0	4
Saga	2	1	0	1	1	1	0	0	1	1	0	0	0	1	1	0	2	0	0	1	0	2
Nagasaki	0	0	3	2	2	0	1	0	0	0	0	0	1	0	1	0	0	0	2	0	0	1
Kumamoto	1	2	4	1	0	2	2	3	1	2	1	1	3	1	2	2	1	0	0	0	0	0
Oita	6	1	0	0	0	3	1	3	0	0	0	1	0	2	0	0	1	0	1	0	2	1
Miyazaki	2	1	0	1	1	0	1	1	1	0	2	0	0	0	0	1	1	0	2	0	0	0
Kagoshima	1	2	1	1	2	2	2	0	0	0	2	0	2	0	0	1	1	4	1	0	0	3
Okinawa	0	0	0	0	0	2	0	0	0	0	0	2	2	1	0	0	0	0	0	0	0	0
total	119	144	122	86	101	93	116	93	80	79	70	81	190	71	59	66	58	59	62	52	43	52

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

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