

Fatal and non-fatal accidents in other retails in Japan in 1999-2022

other retails industry Code No.080209

Type of accidents in other retails in 1999-2022

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	2022	total
fall from height	579	646	642	716	719	740	788	795	799	820	831	806	906	829	882	980	984	1,014	984	1,096	1,194	1,147	1,197	1,250	21,344
falling to same level	873	1,026	1,096	1,153	1,255	1,402	1,483	1,562	1,504	1,744	1,760	2,000	2,212	2,366	2,406	2,536	2,700	2,745	3,052	3,281	3,390	3,693	3,978	4,188	53,405
crash	175	194	187	178	207	221	234	222	250	283	238	292	251	267	283	346	321	365	447	440	428	458	553	539	7,379
struck by flying or falling object	235	231	244	250	278	274	308	286	301	301	268	290	281	320	352	365	381	330	324	363	382	429	394	431	7,618
collapse	71	91	89	75	106	123	120	119	102	129	132	122	130	144	157	158	130	163	172	163	156	147	172	157	3,128
crashed by	106	118	161	131	132	136	153	132	174	185	160	161	178	210	168	195	214	209	239	265	255	322	322	385	4,711
caught in/between	365	441	400	427	395	483	437	493	474	494	458	513	474	553	546	561	561	565	584	670	664	655	730	707	12,650
cut	532	586	514	606	661	693	719	701	705	749	710	744	814	815	835	826	839	856	831	826	885	929	943	870	18,189
injury to the sole of the foot	10	8	9	7	2	7	5	11	6	10	1	7	3	7	8	4	8	7	16	4	4	7	8	6	165
drown	1			1			1						40		1			1	3	1	2	2	1		54
contact to high/low-temperature	101	123	151	160	127	167	158	179	195	218	209	227	223	247	265	272	220	258	261	292	299	278	259	274	5,163
contact to harmful	10	10	4	15	10	11	14	14	18	18	18	14	13	10	12	13	17	15	14	13	21	27	33	18	362







environment	105	103	168	113	97	149	142	150	123	150	129	153	296	239	230	280	210	270	273	344	257	295	339	410	5,025
other causal agent	115	125	102	113	128	144	154	144	119	129	113	134	169	168	140	162	177	142	212	188	193	250	530	230	4,081
no causal agent	179	193	225	256	273	251	287	285	290	354	378	399	396	478	441	455	472	438	571	652	693	827	913	871	10,577
unclassifiable	25	18	20	28	18	19	23	27	34	22	22	19	17	16	23	24	24	9	22	13	13	14	11	11	472
total	3,892	4,426	4,499	4,781	4,900	5,339	5,556	5,770	5,779	6,272	6,058	6,530	6,937	7,327	7,335	7,812	7,953	8,179	8,726	9,284	9,680	10,454	11,459	11,347	170,295

Causal agents (small) of fatal and non-fatal accidents in other retails in 1999-2022

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	2022	total
engine			1		1		1	1	2			3	2	2		1	1	3			2	2	1	2	25
power transmission mechanism			7		9		6	7	4	5	4	6	9	10	5	3	5	8	2	2	5	5	3	7	112
circular sawing machine			16		12		18	18	14	19	11	13	14	19	5	11	14	13	9	13	14	14	23	10	280
band sawing machine			2		2		2	1	3	1	1		2	1	2	1	2	1	1			2		1	25
wood planer machine			2		2		5	3	4	1	1	5	4	4	6		2	1	3	1	1	1	3	1	50
hollow chisel mortiser, wood borer					1			1		1	1			1			1				1		1	1	9
chamfering machine, router, woodworking											1				1	1	2						1		6

milling machine																									
chain saw			1		3				1	3	2	2	3	2	1	5	2	1	3	1	2	2	2	5	41
other woodworking machines			3		8		7	5	7	4	3	6	5	6	6	8	3	1	2	5	8	6	3	4	100
leveling, transporting or loading machine			4		5		4	3	3	4	3	5	9	5	2	9	8	2	4	7	1	4	10	7	99
excavating machine			7		9		3	8	6	4	10	3	6	7	5	9	11	6	5	2	3	6	11	6	127
foundation work machine			1					1																	2
hardening machine					1				1			1	1			1	1					1	1	1	9
demolition machine			1									1				1	1	3			1			1	9
vehicle for high lift work			1		1		1		1		2				2		1	2	1	1	1		1	2	17
other construction machines			3		2		3	4	2	2	2	4		4	1	4	1	2	3	1	3	2	1	1	45
lathe			4				4		1	1		2		1		1	1		1	1	1	1	1	1	21
drill press, milling machine			2		5		5	1		5	2		1	1	1		2	1		1	1			1	29
grinding machine, buffing machine			9		10		10	3	7	8	4	9	5	6	2	9	6	5	6	5	7	8	3	6	128
power press			4		3		2	2	2		4	3	3	1	3	1		3	1	2	3	6	3		46
forging pressure hammer																			1						1
shearing machine			1		4		1	2	2	2		1	1	2	1	3	2	3	1	3		1	2		32

other metal manufacturing machines			11		15		9	13	13	13	9	10	4	7	11	6	4	11	9	10	6	4	5	10	180
centrifugal machine					1								2												3
mixer, grinder			3		4		9	4	5	7	4	5	7	8	9	5	5	2	7	9	9	9	7	14	132
roll machine (except printingroll machine)			7		4		7	11	8	10	6	10	4	11	9	8	11	5	12	16	8	6	11	13	177
injection molding machine								1		1									1	1	2				6
food manufacturing machine			156		187		191	180	207	231	212	260	259	231	251	231	246	252	244	257	257	248	235	208	4,543
printing machine			3		2		3	2	3			1		1			1	2	1		1	1		3	24
industrial robot					1												1					1			3
other general power machines			97		99		105	115	98	102	107	87	91	106	109	99	103	95	80	107	119	100	120	123	2,062
felling machine																		1					1		2
mobile logging machine																									
skyline yarding machine																							1		1
other mobile silviculture machine																									
crane			9		16		12	11	12	11	9	7	7	4	6	14	4	3	7	10	8	6	6	7	169





railway vehicle			6		3		1	2	1	1	1	2	5	1		2	3	1	1	2	1	2		37	
other vehicles			28		18		26	12	13	19	19	11	16	25	15	13	17	14	13	12	10	14	11	17	323
boiler					1			1	1	3	1			1				1						9	
pressure vessel			2		1			1	1	2	1						1	1	1	3	1	1		16	
other pressure vessels			4		8		3	3	3	1	6	3	3	4	5	4	2	3	2		1	4	2	2	63
chemical facilities							1		1											1		1	1	5	
gas welding equipment			2		1		1		1	2	2	1	1		1		2	2		1	2	1		2	22
arc welding equipment			1														3	1		1	1	2	2	1	12
other welding equipment					1					2				1										1	5
kiln, caldron			3		4		9	14	9	18	12	14	11	9	15	9	9	11	13	24	18	21	14	26	263
industrial dryer							1	1		1	1		2	1	2	2	1		2		1			5	20
other kiln, caldron							1	1		1	2		4	2	3	5	5	2	1		2	1	3	2	35
transmission			1		3		5	2	9	3	6	3	6	3	10	8	12	8	18	15	15	11	14	21	173
electric power facilities							1	2		2		1	2			3	2			2	1				16
other electrical equipment			3		7		4	1	5	5	5	2	3	5	7	11	8	3	4	8	6	14	8	7	116
human power cranes			1		1		4	4	1	2			2	1		2	2		2	5	51	104	174	282	638
human power			144		151		224	279	254	323	358	346	374	424	443	431	500	550	588	695	679	718	717	657	8,855



explosive substance				2			1		1		2			1			1		1	1	1			11
inflammable substance			15	3		6	9	5	10	12	12	7	19	6	4	4	2	2	9	7	5	9	8	154
inflammable gas			3	7		5	3	4	5	3	4	12	3	4	2	1	11	2	4	5	2	5	2	87
harmful substance			2	5		5	7	6	8	7	9	9	4	8	4	7	13	2	6	9	7	2	5	125
radiation																								
other hazards, harmful substances			19	25		38	28	29	26	30	27	32	41	39	24	32	42	39	35	39	43	46	29	663
metal material			100	77		105	89	79	83	48	77	62	85	67	85	57	66	74	71	79	91	78	83	1,556
lumber, bamboo			44	43		53	43	33	41	28	35	33	45	35	38	40	42	32	49	41	46	41	31	793
stone, sand, substance			24	19		13	23	21	20	9	18	16	9	14	15	15	14	18	10	12	15	12	12	309
other materials			87	101		120	128	143	122	137	123	110	137	134	123	124	121	96	118	113	113	132	132	2,414
load			384	411		497	542	598	641	591	605	579	643	682	787	712	790	807	814	906	1,069	1,095	1,174	14,327
machine/equipment as load			43	26		30	36	29	46	33	28	26	36	29	28	30	21	23	20	22	30	22	31	589
natural ground, rock			15	9		11	16	6	12	6	7	10	10	5	8	10	10	9	7	13	11	7	15	197
standing tree			3	4			3	4	1	2	3	7	1	3	6	6	5	3	3	5	3	3	4	69
water			7	4		14	14	15	9	10	11	94	10	10	19	10	11	14	21	17	15	12	8	325
abnormal environment						2	1		1		1	1	5		2		2	1	1	1			2	20
high/cold temperature			28	6		9	17	16	24	18	28	40	40	49	39	27	38	33	76	65	62	53	68	736

environment																									
other environments			115		74		106	99	82	103	93	103	144	173	163	206	157	204	213	236	156	204	264	313	3,208
other causal agent			102		128		154	144	119	129	113	134	169	168	140	162	177	142	212	188	193	250	530	230	3,584
no causal agent			225		273		287	285	290	354	378	399	396	478	441	455	472	438	571	652	693	827	913	871	9,698
unclassifiable			20		18		23	27	34	22	22	19	17	16	23	24	24	9	22	13	13	14	11	11	382
total	3,892	4,426	4,499	4,781	4,900	5,339	5,556	5,770	5,779	6,272	6,058	6,530	6,937	7,327	7,335	7,812	7,953	8,179	8,726	9,284	9,680	10,454	11,459	11,347	170,295

Workers age of fatal and non-fatal accidents in other retails 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	158	189	205	224	225	223	256	235	214	237	209	210	212	243	260	277	281	250	282	317	309	346	352	312	6,026
20-29	1,025	1,067	1,138	1,103	1,077	1,150	1,066	1,074	1,050	1,065	1,020	1,018	1,101	1,131	1,112	1,135	1,119	1,104	1,102	1,160	1,112	1,186	1,462	1,302	26,879
30-39	671	782	796	863	947	1,029	987	1,112	1,150	1,131	1,078	1,162	1,152	1,216	1,131	1,104	1,126	1,046	1,050	1,170	1,130	1,161	1,262	1,187	25,443
40-49	766	857	796	855	854	990	1,016	1,003	997	1,169	1,091	1,263	1,287	1,392	1,489	1,554	1,598	1,591	1,725	1,746	1,821	1,864	1,990	1,900	31,614
50-59	904	1,088	1,144	1,266	1,315	1,372	1,583	1,708	1,646	1,733	1,658	1,698	1,862	1,893	1,799	1,998	2,043	2,173	2,316	2,398	2,496	2,738	2,968	3,064	44,863
60 years old or more	368	443	420	470	482	575	648	638	722	937	1,002	1,179	1,323	1,452	1,544	1,744	1,786	2,015	2,251	2,493	2,812	3,159	3,425	3,582	35,470
total	3,892	4,426	4,499	4,781	4,900	5,339	5,556	5,770	5,779	6,272	6,058	6,530	6,937	7,327	7,335	7,812	7,953	8,179	8,726	9,284	9,680	10,454	11,459	11,347	170,295

Workers' number of workplace of fatal and non-fatal accidents in other retails 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	1,381	1,573	1,579	1,590	1,570	1,629	1,670	1,595	1,515	1,620	1,484	1,595	1,654	1,702	1,584	1,654	1,583	1,636	1,718	1,833	1,807	1,850	1,979	1,940	39,741
10-29	1,291	1,427	1,470	1,551	1,577	1,682	1,700	1,709	1,770	1,785	1,696	1,882	1,973	2,103	2,129	2,199	2,243	2,305	2,435	2,604	2,744	2,852	3,299	3,252	49,678

30-49	453	571	533	621	625	741	740	826	795	881	832	902	905	1,065	1,031	1,158	1,071	1,103	1,135	1,232	1,291	1,386	1,531	1,507	22,935
50-99	378	420	472	547	568	655	812	872	907	1,044	1,072	1,146	1,291	1,266	1,422	1,509	1,542	1,567	1,706	1,798	1,848	2,117	2,218	2,287	29,464
100-299	273	304	322	346	426	479	483	584	631	772	797	866	938	989	975	1,073	1,270	1,359	1,492	1,521	1,680	1,901	2,122	2,050	23,653
300 workers or more	116	131	123	126	134	153	151	184	161	170	177	139	176	202	194	219	244	209	240	296	310	348	310	311	4,824
total	3,892	4,426	4,499	4,781	4,900	5,339	5,556	5,770	5,779	6,272	6,058	6,530	6,937	7,327	7,335	7,812	7,953	8,179	8,726	9,284	9,680	10,454	11,459	11,347	170,295

Month of fatal and non-fatal accidents in other retails 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	320	325	434	368	422	487	468	499	454	568	504	543	614	606	662	603	691	754	793	892	789	800	1,087	1,080	14,763
February	312	375	375	373	397	399	486	475	416	562	478	532	537	624	556	719	564	672	719	713	761	748	926	946	13,665
March	300	407	385	378	399	439	479	481	493	524	517	583	652	598	553	680	694	680	713	751	844	804	964	943	14,261
April	329	374	376	401	392	449	465	436	465	534	517	545	497	597	594	634	658	640	722	731	736	829	867	889	13,677
May	333	375	371	456	404	455	492	477	534	543	466	553	600	629	639	656	657	732	706	757	811	890	914	951	14,401
June	329	368	380	385	398	455	472	529	513	554	523	605	603	624	626	643	677	695	720	776	859	990	990	933	14,647
July	352	410	363	441	444	485	447	539	491	554	561	525	565	650	653	656	700	695	765	823	856	982	1,074	981	15,012
August	306	332	408	426	410	448	417	497	544	490	554	607	607	635	628	623	667	669	696	750	844	856	1,093	909	14,416
September	333	357	357	375	372	486	437	442	448	495	468	499	582	602	583	615	659	664	716	797	782	922	885	991	13,867
October	341	396	378	427	419	443	475	488	501	526	520	546	577	634	646	711	615	669	724	810	773	901	896	920	14,336
November	305	340	332	364	420	399	431	467	460	451	485	496	542	548	582	596	661	650	690	739	811	841	868	901	13,379
December	332	367	340	387	423	394	487	440	460	471	465	496	561	580	613	676	710	659	762	745	814	891	895	903	13,871
total	3,892	4,426	4,499	4,781	4,900	5,339	5,556	5,770	5,779	6,272	6,058	6,530	6,937	7,327	7,335	7,812	7,953	8,179	8,726	9,284	9,680	10,454	11,459	11,347	170,295









collapse			1	1			2	2	1		2	1	1		3	1		1	1		1				18
crashed by	1		1		1			1		2		1		2		1	1	1	1	1		2			16
caught in/between	3	3	2		2	2	2	1	5			2	3	2		3	1	2	2	1	2	2	1		41
cut										1															1
injury to the sole of the foot																									
drown							1						39		1			1	3	1		1			47
contact to high/low-temperature							1						1		3	1			1	1		1	2		11
contact to harmful substance			1								1												1		3
electric shock											1						1								2
explosion					1								1					1							3
burst	1											1				1									3
fire		6					1				1				2			1							11
traffic accident (public road)	20	28	25	23	23	15	18	16	13	12	8	8	8	12	10	5	10	5	7	9	5	7	3	5	295
traffic accident (others)	1	1			2		1	1																	6
reaction to motion/improper motion																									
others		1		2		3	2		1	2		2	47	6	2	1	3	2	9	1		3	5	2	94
unclassifiable									1	1	1														3
total	30	47	36	34	33	25	33	31	26	22	23	22	108	25	23	23	22	16	30	19	12	21	17	14	692

Causal agents (large) of fatal accidents in other retails 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	1				1				1			1	1	1			1		1	1	2	2			13
crane, conveying machine	25	36	29	24	29	19	24	21	18	14	10	9	11	14	11	10	12	9	11	11	7	10	5	7	376

















50-59	7	7	7	5	3	6	14	6	10	4	2	3	30	5	8	5	5	3	9	6	5	7	4	3	164
60 years old or more	6	3	4	4	4	6	4	9	5	6	11	5	20	7	5	9	5	4	7	3	2	7	5	8	149
total	30	47	36	34	33	25	33	31	26	22	23	22	108	25	23	23	22	16	30	19	12	21	17	14	692

Workers' number of workplace of fatal accidents in other retails 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	15	21	26	14	10	10	19	15	12	13	10	10	62	9	9	12	4	7	16	6	4	15	6	7	332
10-29	13	15	7	14	13	11	11	10	9	7	6	5	40	11	5	7	10	5	6	9	5		6	6	231
30-49	1	4	1	3	7	3	3	6	3	1	4	3	1	2	4	3	2	2	5	3	2	3	4	1	71
50-99		5	1	2	2				1		2	2	4	3	2	1	4	2	1		1	1			34
100-299	1	2	1	1		1			1	1		1	1		3		2		2			2	1		20
300 workers or more					1						1	1								1					4
total	30	47	36	34	33	25	33	31	26	22	23	22	108	25	23	23	22	16	30	19	12	21	17	14	692

Month of fatal accidents in other retails 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	3	5	3	3		2	3	1	1	2	3	3	2	4	2	2		1	6	2	1	4		4	57
February	4	4	4	4	4	4	3	4	2	3	2		3	2	2	3	3	1	6	4	2	5	1	1	71
March	4	1	2	5	3	2	3	2	5		1	3	87	5			2		5		1	1	2	1	135
April	3	2		1	3	3	1	2	2	2	2	2	1	1	3	1	3	1	1	2	3				39
May	1	2	5		2		2	3	2		3	1	2	2	1		3	1	6	2	2		1		41
June	4	10	2	3	7		4	4	1	2	2	2	4	2	1	2		1	1			4		2	58





Tokushima	1							2											1					4	
Kagawa			1				1								1			1				1		5	
Ehime		1			1		1						1		1		1					2		8	
Kochi		1	1							1		1												4	
Fukuoka			3	3	2		2			1	1	1	2		2	2	1		2			1		1	24
Saga		1			1	1									1							1		5	
Nagasaki			1																			1		2	
Kumamoto		1	1			1	1	1	1		1		1	1										9	
Oita	2						1	1						1			1					1		7	
Miyazaki		1		1				1	1								1		2					7	
Kagoshima		2	1	1	1								2					2						9	
Okinawa													2										1	3	
total	30	47	36	34	33	25	33	31	26	22	23	22	108	25	23	23	22	16	30	19	12	21	17	14	692

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

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