

Fatal and non-fatal accidents in social welfare facility in Japan in 1999-2022

social welfare facility industry Code No.1302

Type of accidents in social welfare facility 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	89	98	125	153	186	192	226	220	247	255	332	283	384	392	391	433	491	565	555	625	692	755	802	814	9,305
falling to same level	384	464	552	659	834	906	1,009	1,119	1,171	1,324	1,396	1,612	1,801	1,948	2,112	2,259	2,390	2,686	2,893	3,321	3,272	3,892	4,336	4,379	46,719
crash	59	69	88	124	137	148	178	163	195	235	234	266	260	318	355	360	356	408	386	438	520	612	657	654	7,220
struck by flying or falling object	30	35	47	42	49	45	58	61	56	80	75	82	80	79	83	84	93	82	99	106	114	111	143	161	1,895
collapse	15	11	13	12	19	4	10	23	16	24	16	20	22	19	29	21	30	25	33	22	36	35	38	39	532
crashed by	51	44	74	79	100	111	122	119	150	169	152	179	162	213	212	240	233	272	310	337	341	388	398	435	4,891
caught in/between	58	56	77	101	98	130	126	121	134	141	163	169	160	168	172	171	196	199	205	196	244	248	240	254	3,827
cut	99	114	136	150	167	191	175	198	188	188	197	204	161	272	243	207	234	205	230	230	256	241	296	225	4,807
injury to the sole of the foot	2	2	2	1		5	5	4	2	3	2	3	2	5	4	1	4	5	3	3	1	7	5	6	77
drown	2				1	1	2	1		1			99				5	1	1	2		1	1	1	119
contact to high/low-temperature	41	39	39	55	50	69	57	83	76	77	69	79	87	96	76	82	82	94	118	101	107	145	136	128	1,986
contact to harmful substance	8	12	3	4	5	15	9	17	11	9	13	20	10	17	9	14	11	10	10	20	15	14	10	18	284

electric shock					1	1	2	2	2	2	3			1	3		2	1	1	2		1	1	2	27
explosion		1	1		1	1	1	2	1			1		1	1				1		1	1	3		17
burst							1			1							1			1		2			6
fire				1	3		2		2	1	2	2	2	1	3	1	1	2						2	25
traffic accident (public road)	90	126	160	181	209	278	330	323	322	325	364	403	410	401	450	519	497	550	545	543	524	503	587	568	9,208
traffic accident (others)		4	4	2	3	2	5	7	2	4	2	4	5	2	7	4	5	9	5	1	4	8	9	10	108
reaction to motion/improper motion	365	482	667	724	886	1,034	1,143	1,401	1,537	1,762	1,764	1,937	2,117	2,235	2,338	2,457	2,576	2,793	2,983	3,186	3,433	4,199	4,539	4,475	51,033
others	50	76	59	101	100	131	128	198	190	182	247	237	253	256	275	303	342	318	291	341	420	2,056	6,162	535	13,251
unclassifiable	13	16	22	22	20	27	32	29	36	46	34	32	39	56	68	68	48	56	69	70	65	48	58	74	1,048
total	1,356	1,649	2,069	2,411	2,869	3,291	3,621	4,091	4,338	4,829	5,065	5,533	6,054	6,480	6,831	7,224	7,597	8,281	8,738	9,545	10,045	13,267	18,421	12,780	156,385

Causal agents (large) of fatal and non-fatal accidents in social welfare facility 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	40	45	47	52	52	61	63	56	52	66	53	79	68	74	88	55	71	75	83	75	90	79	102	85	1,611
crane, conveying machine	123	172	243	276	285	379	433	434	442	465	491	526	519	544	596	645	656	666	692	695	689	658	752	711	12,092
other equipment	219	236	310	379	432	500	506	608	640	707	756	860	824	1,021	999	1,045	1,138	1,240	1,270	1,340	1,600	1,770	1,901	1,933	22,234
temporary buildings,	385	440	544	638	815	862	993	1,051	1,116	1,214	1,333	1,450	1,710	1,762	1,902	2,065	2,211	2,553	2,580	2,969	3,067	3,622	3,867	3,909	43,058

other causal agent	212	278	309	340	406	603	572	743	703	877	817	914	1,000	1,076	1,003	1,057	1,124	1,235	1,254	1,175	1,421	3,104	7,234	1,717	29,174
no causal agent	204	263	330	409	505	494	611	698	810	984	1,113	1,155	1,214	1,336	1,511	1,592	1,704	1,846	2,064	2,417	2,450	3,092	3,579	3,348	33,729
unclassifiable	31	30	63	50	49	42	59	83	98	106	81	82	86	107	111	86	69	62	72	98	60	51	61	72	1,709
total	1,356	1,649	2,069	2,411	2,869	3,291	3,621	4,091	4,338	4,829	5,065	5,533	6,054	6,480	6,831	7,224	7,597	8,281	8,738	9,545	10,045	13,267	18,421	12,780	156,385

Causal agents (small) of fatal and non-fatal accidents in social welfare facility 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	2	1							1				5
power transmission mechanism							1	2			1					1		1	2	1	2	2			13
circular sawing machine			2		10		8	8	3	4	5	7	7	6	7	6	7	4	4	4	12	4	12	4	124
band sawing machine							1									1					1				3
wood planer machine			2						1	4	1			2	2		1	1		1	1				16
hollow chisel mortiser, wood borer			1																						1
chamfering machine, router, woodworking milling machine																		1							1
chain saw			1		1			1	1	3	2	2		1	3			2	2	3	5	1	3		31

other woodworking machines				2		2	1		1	2	1	3	3	3	2	3	2	2		3	4	4	2	40	
leveling, transporting or loading machine								1				1	1		1		1		2	1			1	9	
excavating machine												1		1	1									3	
foundation work machine																									
hardening machine																									
demolition machine															1			1						2	
vehicle for high lift work																					1			1	
other construction machines			1				1					2		1			1				1	1		8	
lathe																									
drill press, milling machine																									
grinding machine, buffing machine				1				2	1				1				3	2	1		1	2	3	17	
power press				1					1					1	1	1								5	
forging pressure hammer																				1				1	
shearing machine																				1				1	
other metal manufacturing			1					1		1	2	1				1	1		1			2	1	1	13

machines																								
centrifugal machine						1						1												2
mixer, grinder		1				1	1		2	1	5	2	2	2		2	1	4	3	5	3	5	3	43
roll machine (except printingroll machine)						1		1	2		3		2		1	2	2	1	2			1	3	21
injection molding machine															1									1
food manufacturing machine		19		18		25	23	22	23	28	30	30	25	41	16	35	39	35	32	25	35	32	32	565
printing machine				1		2															1		2	6
industrial robot																								
other general power machines		19		18		20	19	21	24	11	29	20	31	25	24	19	17	29	26	28	25	41	35	481
felling machine																								
mobile logging machine																								
skyline yarding machine																								
other mobile silviculture machine																								
crane																					2	1		3
mobile crane																						1		1
derrick crane									1	1														2
elevator, lift		4		3		2	3	7	2	7	5	8	6	7	6	6	2	8	5	9	10	8	3	111

pressure vessel			1		1					1							1							4	
other pressure vessels								1	1	1					1	2				1			1	8	
chemical facilities					1																			2	
gas welding equipment																				1				1	
arc welding equipment																									
other welding equipment																							1	1	
kiln, caldron			2		1		2	4	2	2	2	9	3	8	2	7	2		4	3	5	2	4	3	67
industrial dryer							1	1	1			1		1	1			1	3		1	1	2		14
other kiln, caldron					2			1					1			2	2	1	1			1	1		12
transmission			1		2			1	2	1	3	4	4	5	5	8	7	9	16	20	19	13	19	29	168
electric power facilities															1				1				1	1	4
other electrical equipment			2		2		2	2	1	2	3	1	2	1	4	1	5	7	7	7	8	6	9	6	78
human power cranes					1			1		1						1	1	1		1	4	6	10	31	58
human power hauling equipment			55		109		140	145	161	148	195	209	226	260	263	289	297	365	320	357	438	453	492	459	5,381
human power machine			4		1			2	3	3	1	3	2		2	1		1	2	2		2	4	4	37
hand tool			77		84		95	122	112	96	113	119	76	166	148	116	141	105	122	136	149	161	182	118	2,438

ladder			35		53		52	53	68	82	83	103	105	114	124	120	120	139	153	159	173	220	217	229	2,402
slinging tool											1			1						1		1			4
other tools			59		109		113	160	154	212	205	215	215	254	254	295	317	352	367	373	486	526	546	613	5,825
other equipment, facilities			74		66		101	114	135	158	149	195	190	211	194	204	244	258	274	281	315	378	414	437	4,392
scaffolding					1		1		3	1	2	1	1	3	1	3	5	4	2	5	2	2	3	7	47
timbering					1			1					1	1			1						1		6
stairs, landing stage			80		117		158	179	189	179	228	196	278	309	316	326	399	458	432	458	522	599	618	665	6,706
opening			3		3		6	6	4	3	6	7	8	3	7	5	9	8	5	8	11	15	9	13	139
roof, beam, haze, crossbeam, principal rafter			1		6		5	5	5	2	3	6	6	8	8	8	6	3	9	9	3	5	5	7	110
working platform, boot board			83		145		108	133	154	172	164	219	231	204	234	276	294	284	362	372	329	367	356	450	4,937
passage			240		351		460	454	501	578	630	676	813	862	922	1,030	1,053	1,326	1,304	1,624	1,613	1,981	2,218	2,086	20,722
building, establishment			73		106		137	149	146	158	171	221	203	205	227	213	236	223	240	281	279	303	343	335	4,249
other temporary buildings, establishments			64		85		118	124	114	121	129	124	169	167	187	204	208	247	226	212	308	350	314	346	3,817
explosive substance													1					1				2			4
inflammable substance					1		1	2	1	3			1	2	2		1		1	3	2	1	2	1	24
inflammable gas			1		1		1	2	1	3	1	2	1		1	1	1	1		1	1	2			21

unclassifiable			63		49		59	83	98	106	81	82	86	107	111	86	69	62	72	98	60	51	61	72	1,556
total	1,356	1,649	2,069	2,411	2,869	3,291	3,621	4,091	4,338	4,829	5,065	5,533	6,054	6,480	6,831	7,224	7,597	8,281	8,738	9,545	10,045	13,267	18,421	12,780	156,385

Workers age of fatal and non-fatal accidents in social welfare facility 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	8	14	10	14	18	24	39	26	31	35	36	42	48	59	50	50	44	51	49	50	36	46	88	61	929
20-29	365	420	488	585	641	667	722	772	742	828	743	754	801	810	825	780	819	759	798	849	850	1,243	1,955	1,054	19,270
30-39	216	300	348	386	482	550	617	734	725	822	848	990	939	1,074	1,066	1,137	1,100	1,120	1,137	1,193	1,203	1,661	2,471	1,317	22,436
40-49	326	388	490	545	659	805	867	908	984	1,023	1,088	1,181	1,332	1,419	1,420	1,584	1,562	1,762	1,770	1,829	1,929	2,575	3,728	2,252	32,426
50-59	345	421	569	675	768	923	996	1,192	1,304	1,407	1,472	1,571	1,744	1,801	1,999	2,062	2,161	2,348	2,486	2,702	2,765	3,682	4,888	3,631	43,912
60 years old or more	96	106	164	206	301	322	380	459	552	714	878	995	1,190	1,317	1,471	1,611	1,911	2,241	2,498	2,922	3,262	4,060	5,291	4,465	37,412
total	1,356	1,649	2,069	2,411	2,869	3,291	3,621	4,091	4,338	4,829	5,065	5,533	6,054	6,480	6,831	7,224	7,597	8,281	8,738	9,545	10,045	13,267	18,421	12,780	156,385

Workers' number of workplace of fatal and non-fatal accidents in social welfare facility 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	112	136	164	183	242	198	297	334	323	397	381	402	436	491	488	584	644	691	762	803	859	1,063	1,444	1,118	12,552
10-29	302	346	423	477	538	674	757	903	967	1,039	1,166	1,318	1,439	1,543	1,764	1,889	2,064	2,313	2,500	2,700	2,874	3,888	5,539	3,936	41,359
30-49	302	357	359	424	532	579	586	679	768	823	914	1,014	1,195	1,275	1,291	1,425	1,434	1,609	1,779	1,978	1,977	2,686	3,854	2,662	30,502
50-99	379	466	626	717	853	967	1,002	1,117	1,198	1,369	1,329	1,449	1,500	1,654	1,677	1,696	1,849	1,924	1,969	2,184	2,367	3,098	4,157	2,815	38,362
100-299	197	273	378	488	571	689	765	861	869	974	1,057	1,153	1,226	1,288	1,355	1,410	1,384	1,515	1,498	1,585	1,690	2,155	3,059	1,985	28,425
300 workers or more	64	71	119	122	133	184	214	197	213	227	218	197	258	229	256	220	222	229	230	295	278	377	368	264	5,185

more																									
total	1,356	1,649	2,069	2,411	2,869	3,291	3,621	4,091	4,338	4,829	5,065	5,533	6,054	6,480	6,831	7,224	7,597	8,281	8,738	9,545	10,045	13,267	18,421	12,780	156,385

Month of fatal and non-fatal accidents in social welfare facility 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	122	122	159	206	246	277	329	378	342	424	441	504	566	563	648	597	652	774	832	967	830	907	2,650	1,246	14,782
February	104	127	139	174	195	238	285	344	360	463	377	492	499	587	554	662	604	694	759	743	803	839	1,606	964	12,612
March	109	142	147	179	204	252	296	314	343	340	389	464	595	507	570	549	595	639	690	744	788	953	1,398	1,065	12,272
April	100	123	153	178	195	250	293	303	341	353	397	448	448	493	549	580	641	657	701	718	836	1,047	1,944	1,071	12,819
May	117	135	197	211	274	294	332	349	367	435	446	456	452	588	543	621	647	702	709	825	844	1,021	1,935	1,091	13,591
June	127	132	182	242	274	294	319	344	373	455	515	472	531	521	608	626	646	701	720	832	856	1,127	1,313	1,145	13,355
July	125	149	190	202	276	293	303	394	400	453	503	487	493	585	598	682	741	750	758	859	946	1,167	1,355	1,124	13,833
August	118	159	191	211	259	299	314	356	416	406	447	477	543	606	604	605	641	750	734	829	929	1,166	1,799	1,028	13,887
September	116	136	202	210	230	289	272	343	373	413	416	425	503	546	538	581	627	661	684	810	805	1,131	1,220	1,006	12,537
October	114	135	191	203	244	284	292	360	359	406	397	456	511	548	581	586	630	688	753	821	912	1,109	1,151	1,093	12,824
November	111	144	149	195	210	255	331	303	305	329	393	439	455	476	489	562	600	658	697	758	783	1,137	1,022	1,002	11,803
December	93	145	169	200	262	266	255	303	359	352	344	413	458	460	549	573	573	607	701	639	713	1,663	1,028	945	12,070
total	1,356	1,649	2,069	2,411	2,869	3,291	3,621	4,091	4,338	4,829	5,065	5,533	6,054	6,480	6,831	7,224	7,597	8,281	8,738	9,545	10,045	13,267	18,421	12,780	156,385

Prefecture of fatal and non-fatal accidents in social welfare facility 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	89	89	83		123		138	196	203	207	243	245	289	285	316	353	368	396	425	448	461	771	994	613	7,335

natural ground, rock	1		1																			1			3
standing tree																	1					1			2
water	1								1			136				2	1	1	1		1				144
abnormal environment																									
high/cold temperature environment											1	1													2
other environments											1									1					2
other causal agent				1	1				1		1					1					1	2	24	1	33
no causal agent				1				2	1							1	3	1	1		3		1		14
unclassifiable													1												1
total	3	1	5	4	5	6	3	9	8	5	9	5	142	8	10	8	7	11	4	9	8	7	29	6	312

Workers age of fatal accidents in social welfare facility 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													2												2
20-29	1		1	1		1		1	1		1		15				1	1	2						26
30-39				2	1		1	1		1	2		20	2	1	3		1				2	2	2	41
40-49	1	1	1		3		1	4	4		2	2	30	2	2	1	3	2			3		1	1	64
50-59	1		1	1		5	1	2	1	3		1	56	2	1	2	1	1	1	3	4		4	1	92
60 years old or more			2		1			1	2	1	4	2	19	2	6	2	2	6	1	6	1	5	22	2	87
total	3	1	5	4	5	6	3	9	8	5	9	5	142	8	10	8	7	11	4	9	8	7	29	6	312

Workers' number of workplace of fatal accidents in social welfare facility 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							2	1	3				9	1		2		3		2	2		3	2	30
10-29	2		2	2	1	2	1	4	1	2	2	2	44	2	4	4	1	4	3	3		4	12	2	104
30-49		1		1	1	1		2	1		1	2	39	2	3	1		2		4	4	1	7	2	75
50-99	1		2					1	1	2	4	1	38	2	2		3	1	1			2	2		63
100-299			1	1	2	2		1	1	1	2		7	1	1	1	3	1			2		5		32
300 workers or more					1	1			1				5												8
total	3	1	5	4	5	6	3	9	8	5	9	5	142	8	10	8	7	11	4	9	8	7	29	6	312

Month of fatal accidents in social welfare facility 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					1			2	1		1	1		2	1		2			1	1	1	7	1	22
February					1			2	1	1	2			1	1	2		1			3		2		17
March			1	1		1	1		1				137					1	1	1		3	4	1	153
April					1			1		1			1	1	1		1	1					6		14
May			1	1					1	1	1		1	1	1	2		1	1				3	2	17
June	2					1		1	1						1			1	1	1					9
July	1	1	1	1	1				2		1	1			1			1		4	1	1	3	1	21
August								1		1	1	1	2		1	1		2	1		1	2	2		16
September						1		2					1			2	2	1		1					10
October			1	1							1	2		1	1	1	1	2			1		1		13
November						1	2			1	1				1						1		1	1	9
December			1		1	2			1		1			2	1		1			1					11

total	3	1	5	4	5	6	3	9	8	5	9	5	142	8	10	8	7	11	4	9	8	7	29	6	312
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Prefecture of fatal accidents in social welfare facility 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							1			1			1	1	1	1		2	3	1					12
Aomori																		1							1
Iwate													36	1						1					38
Miyagi													97				1						1		99
Akita																									
Yamagata									1																1
Fukushima										1			4												5
Ibaraki						1																1			2
Tochigi			1												1		1				1				4
Gunma													1				1			1	1				4
Saitama								1							1		1							1	4
Chiba									1				2			1						1	1		6
Tokyo						2		3	1	1					1	2	1	1	1	1	1		5		20
Kanagawa			1		2	1		1	1					1									4	1	12
Niigata												1			1			1					1		4
Toyama																									
Ishikawa																		1							1
Fukui																					1			1	2

Nagasaki																					1			1	
Kumamoto										1	1												2	2	6
Oita									1			1									1				3
Miyazaki																				1					1
Kagoshima			1																						1
Okinawa																							1		1
total	3	1	5	4	5	6	3	9	8	5	9	5	142	8	10	8	7	11	4	9	8	7	29	6	312

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

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