

Fatal and non-fatal accidents in social welfare facility in Japan in 1999-2021

social welfare facility industry Code No.1302

Type of accidents in social welfare facility 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	89	98	125	153	186	192	226	220	247	255	332	283	384	392	391	433	491	565	555	625	692	755	802	8,491	fall from height
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	42,340	falling to same level
crash	59	69	88	124	137	148	178	163	195	235	234	266	260	318	355	360	356	408	386	438	520	612	657	6,566	crash
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	1,734	struck by flying or falling object
collapse	15	11	13	12	19	4	10	23	16	24	16	20	22	19	29	21	30	25	33	22	36	35	38	493	collapse
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	4,456	crashed by
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	3,573	caught in/between
cut	99	114	136	150	167	191	175	198	188	188	197	204	161	272	243	207	234	205	230	230	256	241	296	4,582	cut
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	71	injury to the sole of the foot
drown	2				1	1	2	1		1			99				5	1	1	2		1	1	118	drown
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	1,858	contact to high/low-temperature
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	266	contact to harmful substance

																									substance
electric shock				1	1	2	2	2	2	3			1	3		2	1	1	2		1	1	25	electric shock	
explosion		1	1	1	1	1	2	1			1		1	1				1		1	1	3	17	explosion	
burst						1			1							1			1		2		6	burst	
fire				1	3		2		2	1	2	2	2	1	3	1	1	2					23	fire	
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	8,640	traffic accident (public road)
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	98	traffic accident (others)
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	46,558	reaction to motion/improper motion
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	12,716	others
unclassifiable	13	16	22	22	20	27	32	29	36	46	34	32	39	56	68	68	48	56	69	70	65	48	58	974	unclassifiable
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	143,605	total

Causal agents (large) of fatal and non-fatal accidents in social welfare facility 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	40	45	47	52	52	61	63	56	52	66	53	79	68	74	88	55	71	75	83	75	90	79	102	1,526	machine
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	11,381	crane, conveying machine
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	20,301	other equipment

temporary buildings, establishments	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	39,149	temporary buildings, establishments
substance, material	31	41	35	61	57	70	61	67	89	59	78	66	66	89	84	78	81	79	92	100	87	98	106	1,675	substance, material
load	28	41	60	65	62	63	79	111	123	97	92	97	100	108	107	79	93	94	116	131	118	184	172	2,220	load
environment	83	103	128	141	206	217	244	240	265	254	251	304	467	363	430	522	450	431	515	545	463	609	647	7,878	environment
others	447	571	702	799	960	1,139	1,242	1,524	1,611	1,967	2,011	2,151	2,300	2,519	2,625	2,735	2,897	3,143	3,390	3,690	3,931	6,247	10,874	59,475	others
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	143,605	total

Causal agents (middle) of fatal and non-fatal accidents in social welfare facility 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	1							1			5	engine
power transmission mechanism		1				1	1	2			1					1		1	2	1	2	2		15	power transmission mechanism
woodworking machine	10	10	6	9	13	7	11	10	5	12	10	10	10	12	15	9	11	10	8	8	22	9	19	246	woodworking machine
construction machine		1	1	1			1		1				4	1	2	3		2		3	1	2	1	24	construction machine
metal manufacturing machine	4	1	1	2	2	3		1	2	3	2	1		1	1	2	2	3	3	1	4	2	3	44	metal manufacturing machine
general machine	26	32	39	40	37	50	50	43	44	51	40	67	52	59	70	40	58	59	70	62	60	64	79	1,192	general machine

mobile silviculture machine																									mobile silviculture machine
crane	3	1	4	7	7	11	3	5	7	4	8	5	11	8	7	7	7	3	9	6	11	12	11	157	crane
conveying machine	5	14	12	17	18	18	25	23	21	28	28	20	23	30	29	34	32	37	44	46	41	48	40	633	conveying machine
vehicle	115	157	227	252	260	350	405	406	414	433	455	501	485	506	560	604	617	626	639	643	637	598	701	10,591	vehicle
pressure vessel	1	2	1	1	1			2	1	2	1				1	1	2	1			1			18	pressure vessel
chemical facilities		1			1							1												3	chemical facilities
welding equipment																						1		1	welding equipment
kiln, caldron	2		2	3	3	2	3	6	3	2	2	10	4	9	3	9	4	2	8	3	6	4	7	97	kiln, caldron
electric equipment	1	2	3	2	4	3	2	3	3	3	6	5	6	6	10	9	12	16	24	27	27	19	29	222	electric equipment
human power machine, tools	90	107	136	191	195	239	235	270	276	248	309	331	304	426	413	407	439	472	444	496	591	622	688	7,929	human power machine, tools
tools	79	80	94	116	162	170	165	213	222	294	289	318	320	369	378	415	437	491	520	533	659	747	763	7,834	tools
other equipments, facilities	46	44	74	66	66	86	101	114	135	158	149	195	190	211	194	204	244	258	274	281	315	378	414	4,197	other equipments, facilities
temporary buildings, establishments	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	39,149	temporary buildings, establishments
hazards, harmful substances	12	14	8	15	17	20	13	19	19	19	24	12	19	16	20	12	19	18	22	25	18	21	19	401	hazards, harmful substances

																											substances
materials	19	27	27	46	40	50	48	48	70	40	54	54	47	73	64	66	62	61	70	75	69	77	87	1,274	materials		
load	28	41	60	65	62	63	79	111	123	97	92	97	100	108	107	79	93	94	116	131	118	184	172	2,220	load		
natural environment	83	103	128	141	206	217	244	240	265	254	251	304	467	363	430	522	450	431	515	545	463	609	647	7,878	natural environment		
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	27,457	other causal agent		
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	30,381	no causal agent		
unclassifiable	31	30	63	50	49	42	59	83	98	106	81	82	86	107	111	86	69	62	72	98	60	51	61	1,637	unclassifiable		
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	143,605	total		

Causal agents (small) of fatal and non-fatal accidents in social welfare facility 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	2	1							1			5	engine
power transmission mechanism							1	2			1					1		1	2	1	2	2		13	power transmission mechanism
circular sawing machine			2		10		8	8	3	4	5	7	7	6	7	6	7	4	4	4	12	4	12	120	circular sawing machine
band sawing machine							1									1					1			3	band sawing machine
wood planer machine			2						1	4	1			2	2		1	1		1	1			16	wood planer machine
hollow chisel mortiser, wood			1																					1	hollow chisel mortiser, wood

crane																							2	1	3	crane
mobile crane																								1	1	mobile crane
derrick crane									1	1															2	derrick crane
elevator, lift			4		3		2	3	7	2	7	5	8	6	7	6	6	2	8	5	9	10	8	108	elevator, lift	
cargo lifting appliance																										cargo lifting appliance
gondola																										gondola
lumberyard equipment, logging cableway																										lumberyard equipment, logging cableway
simple skyline yarding equipment																										simple skyline yarding equipment
other powered crane					4		1	2		1		3	2		1	1	1	1	1	2		1	21	other powered crane		
truck			5		14		17	12	16	21	23	14	18	22	18	28	26	29	34	40	29	36	31	433	truck	
forklift					1		2			1			2	2	1	3	2	2	2	3	2	3	3	29	forklift	
railway equipment								1																1	railway equipment	
conveyor			2					1	1	1	2	1					1		2	1	3	1	2	18	conveyor	
loader												1												1	loader	
straddle carrier																										straddle carrier
rough terrain hauler																										rough terrain hauler
other powered conveying machines			5		3		6	9	4	5	3	4	3	6	10	3	3	6	6	2	7	8	4	97	other powered conveying machines	
cars, bus, motorcycle			209		247		375	384	384	409	430	470	453	478	540	579	578	601	622	624	617	583	675	9,258	cars, bus, motorcycle	
railway vehicle			1						1		1		2				2						3	10	railway vehicle	

other vehicles			17		13		30	22	29	24	24	31	30	28	20	25	37	25	17	19	20	15	23	449	other vehicles	
boiler								1			1				1									3	boiler	
pressure vessel			1		1					1								1						4	pressure vessel	
other pressure vessels								1	1	1						1	2				1			7	other pressure vessels	
chemical facilities					1							1												2	chemical facilities	
gas welding equipment																					1			1	gas welding equipment	
arc welding equipment																										arc welding equipment
other welding equipment																										other welding equipment
kiln, caldron			2		1		2	4	2	2	2	9	3	8	2	7	2		4	3	5	2	4	64	kiln, caldron	
industrial dryer							1	1	1			1		1	1			1	3		1	1	2	14	industrial dryer	
other kiln, caldron					2			1					1			2	2	1	1			1	1	12	other kiln, caldron	
transmission			1		2			1	2	1	3	4	4	5	5	8	7	9	16	20	19	13	19	139	transmission	
electric power facilities															1				1				1	3	electric power facilities	
other electrical equipment			2		2		2	2	1	2	3	1	2	1	4	1	5	7	7	7	8	6	9	72	other electrical equipment	
human power cranes					1			1		1						1	1	1		1	4	6	10	27	human power cranes	
human power hauling equipment			55		109		140	145	161	148	195	209	226	260	263	289	297	365	320	357	438	453	492	4,922	human power hauling equipment	
human power machine			4		1			2	3	3	1	3	2		2	1		1	2	2		2	4	33	human power machine	

hand tool			77		84		95	122	112	96	113	119	76	166	148	116	141	105	122	136	149	161	182	2,320	hand tool
ladder			35		53		52	53	68	82	83	103	105	114	124	120	120	139	153	159	173	220	217	2,173	ladder
slinging tool											1			1						1		1		4	slinging tool
other tools			59		109		113	160	154	212	205	215	215	254	254	295	317	352	367	373	486	526	546	5,212	other tools
other equipment, facilities			74		66		101	114	135	158	149	195	190	211	194	204	244	258	274	281	315	378	414	3,955	other equipment, facilities
scaffolding					1		1		3	1	2	1	1	3	1	3	5	4	2	5	2	2	3	40	scaffolding
timbering					1			1					1	1			1						1	6	timbering
stairs, landing stage			80		117		158	179	189	179	228	196	278	309	316	326	399	458	432	458	522	599	618	6,041	stairs, landing stage
opening			3		3		6	6	4	3	6	7	8	3	7	5	9	8	5	8	11	15	9	126	opening
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	103	roof, beam, haze, crossbeam, principal rafter
working platform, boot board			83		145		108	133	154	172	164	219	231	204	234	276	294	284	362	372	329	367	356	4,487	working platform, boot board
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	18,636	passage
building, establishment			73		106		137	149	146	158	171	221	203	205	227	213	236	223	240	281	279	303	343	3,914	building, establishment
other temporary buildings, establishments			64		85		118	124	114	121	129	124	169	167	187	204	208	247	226	212	308	350	314	3,471	other temporary buildings, establishments
explosive substance													1					1				2		4	explosive substance
inflammable substance					1		1	2	1	3			1	2	2		1		1	3	2	1	2	23	inflammable substance
inflammable gas			1		1		1	2	1	3	1	2	1		1	1	1	1		1	1	2		21	inflammable gas
harmful substance			1		2		3	4	2	5	5	4	1	5	3	3	2	1	4	6	6	1	3	61	harmful substance

radiation																									radiation
other hazards, harmful substances			6		13		8	11	15	8	18	6	15	9	14	8	15	15	17	15	9	15	14	231	other hazards, harmful substances
metal material			9		13		5	8	10	12	15	8	7	12	8	11	11	13	15	16	18	13	17	221	metal material
lumber, bamboo			4		7		7	5	9	3	4	6	7	9	5	12	9	8	8	16	10	12	19	160	lumber, bamboo
stone, sand, substance			3		4		4	2	6	4	5	5	1	6	8	6	5	2	8	10	5	9	12	105	stone, sand, substance
other materials			11		16		32	33	45	21	30	35	32	46	43	37	37	38	39	33	36	43	39	646	other materials
load			53		57		75	106	116	88	84	85	91	103	99	75	89	90	114	127	107	176	166	1,901	load
machine/equipment as load			7		5		4	5	7	9	8	12	9	5	8	4	4	4	2	4	11	8	6	122	machine/equipment as load
natural ground, rock			11		14		20	13	14	13	9	8	18	13	15	14	27	20	21	18	26	28	31	333	natural ground, rock
standing tree			3		6		6	7	8	6	8	8	8	7	11	7	11	10	14	12	14	21	17	184	standing tree
water			2		9		11	3	4	7	10	6	143	9	9	10	13	12	13	21	11	19	15	327	water
abnormal environment			1		1		1			1		3	1	1	3				1	1				14	abnormal environment
high/cold temperature environment			5		7		8	9	7	13	9	12	20	24	15	15	18	14	21	35	21	30	30	313	high/cold temperature environment
other environments			106		169		198	208	232	214	215	267	277	309	377	476	381	375	445	458	391	511	554	6,163	other environments
other causal agent			309		406		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	26,024	other causal agent
no causal agent			330		505		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	29,011	no causal agent
unclassifiable			63		49		59	83	98	106	81	82	86	107	111	86	69	62	72	98	60	51	61	1,484	unclassifiable
total			2,069		2,869		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	134,898	total

Workers age of fatal and non-fatal accidents in social welfare facility 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	8	14	10	14	18	24	39	26	31	35	36	42	48	59	50	50	44	51	49	50	36	46	88	868	19 years old or less
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	18,216	20-29
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	21,119	30-39
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	30,174	40-49
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	40,281	50-59
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	32,947	60 years old or 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	143,605	total

Workers' number of workplace of fatal and non-fatal accidents in social welfare facility 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	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	11,434	9 workers or less
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	37,423	10-29
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	27,840	30-49
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	35,547	50-99
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	26,440	100-299
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	4,921	300 workers or 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	143,605	total

Month of fatal and non-fatal accidents in social welfare facility 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	122	122	159	206	246	277	329	378	342	424	441	504	566	563	648	597	652	774	832	967	830	907	2,650	13,536	January
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	11,648	February
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	11,207	March
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	11,748	April
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	12,500	May
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	12,210	June
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	12,709	July
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	12,859	August
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	11,531	September
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	11,731	October
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	10,801	November
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	11,125	December
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	143,605	total

Prefecture of fatal and non-fatal accidents in social welfare facility 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	89	89	83		123		138	196	203	207	243	245	289	285	316	353	368	396	425	448	461	771	994	6,722	Hokkaido
Aomori	26	35	40		35		57	58	48	60	65	72	90	84	85	85	80	105	114	127	118	138	256	1,778	Aomori
Iwate	22	20	34		39		55	57	37	67	59	77	82	72	85	92	65	92	93	101	118	140	161	1,568	Iwate
Miyagi	13	28	45		67		91	102	112	109	100	112	216	113	167	168	158	170	171	203	208	232	359	2,944	Miyagi
Akita	11	25	21		30		31	33	33	44	59	69	80	68	76	82	75	87	86	91	103	109	154	1,367	Akita
Yamagata	22	20	22		32		44	50	76	58	65	62	72	92	77	98	92	98	103	128	104	128	169	1,612	Yamagata

Fukushima	14	21	31		35		35	44	56	63	61	82	77	79	87	120	105	112	107	135	117	153	216	1,750	Fukushima
Ibaraki	24	22	30		29		60	58	66	69	75	83	103	118	109	108	131	138	125	194	167	263	304	2,276	Ibaraki
Tochigi	7	23	21		38		30	57	47	63	64	63	49	65	59	75	90	110	92	106	121	150	221	1,551	Tochigi
Gunma	16	15	30		47		40	58	58	85	63	93	94	90	92	90	120	131	147	175	183	240	284	2,151	Gunma
Saitama	39	39	54		73		111	135	144	172	179	227	194	211	264	291	323	373	376	435	418	663	930	5,651	Saitama
Chiba	37	40	59		104		135	165	151	236	232	268	241	324	327	328	340	327	367	415	460	681	1,001	6,238	Chiba
Tokyo	108	129	172		275		381	365	401	447	498	521	560	595	546	644	670	764	766	872	941	1,187	1,900	12,742	Tokyo
Kanagawa	92	107	126		191		263	291	328	344	411	437	485	485	558	545	559	612	621	634	723	1,005	1,266	10,083	Kanagawa
Niigata	23	33	40		59		81	91	98	86	98	106	134	132	153	171	178	156	184	204	180	243	297	2,747	Niigata
Toyama	4	12	14		29		22	28	32	34	46	45	54	51	48	65	52	50	71	72	72	96	91	988	Toyama
Ishikawa	18	16	33		25		27	37	45	43	46	51	49	66	68	62	66	71	73	93	85	100	118	1,192	Ishikawa
Fukui	11	14	20		21		26	38	37	29	35	38	59	47	31	54	55	74	61	84	77	66	100	977	Fukui
Yamanashi	6	15	13		17		18	25	26	32	31	32	37	47	52	46	49	46	51	65	61	81	77	827	Yamanashi
Nagano	24	48	53		65		84	90	86	96	115	114	132	140	160	169	128	140	146	185	171	198	270	2,614	Nagano
Gifu	17	11	18		24		32	51	38	60	40	69	69	87	85	79	73	99	107	121	138	174	244	1,636	Gifu
Shizuoka	30	29	46		78		114	145	120	154	149	162	173	180	214	214	216	240	251	280	292	331	412	3,830	Shizuoka
Aichi	46	54	65		92		112	130	157	161	175	180	193	231	275	292	302	334	350	401	432	601	782	5,365	Aichi
Mie	32	36	36		52		51	59	84	82	103	95	100	119	99	121	127	133	155	146	174	210	251	2,265	Mie
Shiga	12	11	27		36		46	63	56	98	66	67	86	94	90	96	75	90	75	87	100	163	146	1,584	Shiga
Kyoto	54	59	87		96		147	151	138	140	170	143	180	195	238	179	225	216	211	214	232	317	414	3,806	Kyoto
Osaka	100	130	174		238		294	316	326	398	363	435	424	471	504	484	528	600	671	682	749	948	1,768	10,603	Osaka
Hyogo	59	67	100		131		172	166	196	224	199	226	267	275	270	297	349	349	375	377	470	585	886	6,040	Hyogo
Nara	22	16	17		34		43	44	59	60	61	65	77	81	76	84	80	100	89	115	133	154	242	1,652	Nara
Wakayama	11	24	27		30		52	44	58	70	73	94	86	95	80	85	95	81	114	113	110	123	176	1,641	Wakayama
Tottori	11	5	10		15		13	23	26	28	15	15	29	28	25	37	37	35	43	48	36	75	81	635	Tottori

Shimane	19	27	29		41		32	60	45	44	63	51	57	72	68	68	76	88	88	79	80	89	117	1,293	Shimane
Okayama	14	22	27		51		46	56	64	65	73	82	83	108	89	118	114	150	163	158	163	232	267	2,145	Okayama
Hiroshima	37	42	57		85		118	107	121	122	130	150	160	159	185	212	229	207	245	249	239	290	361	3,505	Hiroshima
Yamaguchi	20	22	21		45		39	39	45	51	51	33	61	76	76	51	81	102	92	95	112	106	150	1,368	Yamaguchi
Tokushima	12	19	17		16		21	27	23	32	29	42	27	35	35	36	52	47	52	64	63	91	87	827	Tokushima
Kagawa	22	22	18		26		30	35	42	41	36	32	40	45	63	50	65	60	54	67	71	98	135	1,052	Kagawa
Ehime	17	25	15		24		38	48	59	50	70	55	72	82	84	94	94	97	95	105	99	141	180	1,544	Ehime
Kochi	30	34	31		46		38	36	48	32	53	73	55	69	47	59	46	48	51	69	58	82	82	1,087	Kochi
Fukuoka	64	84	109		118		159	176	174	198	203	196	220	252	255	281	373	386	435	450	457	593	833	6,016	Fukuoka
Saga	10	20	15		20		30	24	27	33	49	51	34	49	75	72	69	69	94	96	85	104	177	1,203	Saga
Nagasaki	21	18	20		46		51	62	58	76	85	59	122	104	110	117	108	139	137	159	177	188	270	2,127	Nagasaki
Kumamoto	32	47	50		47		44	56	73	44	63	91	92	96	107	109	132	98	127	143	165	246	275	2,137	Kumamoto
Oita	21	19	30		31		31	47	46	45	28	51	53	65	67	77	78	82	96	92	106	114	183	1,362	Oita
Miyazaki	13	13	30		31		45	34	37	49	63	60	52	64	69	80	61	103	104	99	130	166	215	1,518	Miyazaki
Kagoshima	19	34	33		59		64	79	96	81	66	97	88	128	105	111	127	176	166	146	171	202	241	2,289	Kagoshima
Okinawa	5	8	19		23		30	35	38	47	44	62	57	56	80	75	81	100	119	123	115	200	278	1,595	Okinawa
total	1,356	1,649	2,069		2,869		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	137,903	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 by Great East Japan Earthquake in 2011.

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

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traffic accident (public road)	1		4	2		3	3	5	2	2	6	1	2	6	7	3	1	7	1	1	3		4	64	traffic accident (public road)
traffic accident (others)						1							1											2	traffic accident (others)
reaction to motion/improper motion																									reaction to motion/improper motion
others				2	1			2	2		1	1	36			1	2	1	1	1	4	2	25	82	others
unclassifiable														1										1	unclassifiable
total	3	1	5	4	5	6	3	9	8	5	9	5	142	8	10	8	7	11	4	9	8	7	29	306	total

Causal agents (large) of fatal accidents in social welfare facility 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			1	1			1				4	machine
crane, conveying machine	1		4	2	2	6	2	5	3	3	8	2	3	6	7	4	1	8	1	2	4	1	4	79	crane, conveying machine
other equipment		1			1		1							1	2				1	1				8	other equipment
temporary buildings, establishments					1			2	3	1		1	1		1					3		1		14	temporary buildings, establishments
substance, material																									substance, material
load																1								1	load
environment	2		1							1		2	137				2	2	1	2		3		153	environment
others				2	1			2	2		1			1		2	3	1	1		4	2	25	47	others
total	3	1	5	4	5	6	3	9	8	5	9	5	142	8	10	8	7	11	4	9	8	7	29	306	total

Causal agents (middle) of fatal accidents in social welfare facility 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																										power transmission mechanism
woodworking machine																										woodworking machine
construction machine																				1				1	1	construction machine
metal manufacturing machine																										metal manufacturing machine
general machine																1	1								2	general machine
mobile silviculture machine																										mobile silviculture machine
crane																				1				1	1	crane
conveying machine					1	1	1	1	2			2	1	1		1	1	3						1	16	conveying machine
vehicle	1		4	2	1	5	1	4	1	3	8		2	5	7	3		5	1	1	4	1	3	62	vehicle	
pressure vessel																										pressure vessel
chemical facilities																										chemical facilities
welding equipment																										welding equipment
kiln, caldron																										kiln, caldron
electric equipment																										electric equipment
human power machine, tools							1																		1	human power machine, tools
tools		1												1	2					1	1				6	tools
other equipments, facilities					1																				1	other equipments, facilities
temporary buildings,																										temporary buildings,

establishments					1			2	3	1		1	1		1												3		1			14	establishments
hazards, harmful substances																																	hazards, harmful substances
materials																																	materials
load																1																	load
natural environment	2		1							1		2	137				2	2	1	2		3										153	natural environment
other causal agent				1	1				1		1					1					1	2	24	32								other causal agent	
no causal agent				1				2	1							1	3	1	1		3		1	14								no causal agent	
unclassifiable														1																		1	unclassifiable
total	3	1	5	4	5	6	3	9	8	5	9	5	142	8	10	8	7	11	4	9	8	7	29	306								total	

Causal agents (small) of fatal accidents in social welfare facility 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																										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

other hazards, harmful substances																								other hazards, harmful substances	
metal material																								metal material	
lumber, bamboo																								lumber, bamboo	
stone, sand, substance																								stone, sand, substance	
other materials																								other materials	
load																								load	
machine/equipment as load														1									1	machine/equipment as load	
natural ground, rock	1		1																		1		3	natural ground, rock	
standing tree																1					1		2	standing tree	
water	1								1			136				2	1	1	1		1		144	water	
abnormal environment																								abnormal environment	
high/cold temperature environment											1	1											2	high/cold temperature environment	
other environments											1								1				2	other environments	
other causal agent			1	1				1		1					1					1	2	24	32	other causal agent	
no causal agent			1				2	1							1	3	1	1		3		1	14	no causal agent	
unclassifiable													1										1	unclassifiable	
total	3	1	5	4	5	6	3	9	8	5	9	5	142	8	10	8	7	11	4	9	8	7	29	306	total

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													2											2	19 years old or less
20-29	1		1	1		1		1	1		1		15				1	1	2					26	20-29
30-39				2	1		1	1		1	2		20	2	1	3		1				2	2	39	30-39
40-49	1	1	1		3		1	4	4		2	2	30	2	2	1	3	2			3		1	63	40-49
50-59	1		1	1		5	1	2	1	3		1	56	2	1	2	1	1	1	3	4		4	91	50-59
60 years old or more			2		1			1	2	1	4	2	19	2	6	2	2	6	1	6	1	5	22	85	60 years old or more
total	3	1	5	4	5	6	3	9	8	5	9	5	142	8	10	8	7	11	4	9	8	7	29	306	total

Workers' number of workplace of fatal accidents in social welfare facility 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							2	1	3				9	1		2		3		2	2		3	28	9 workers or less
10-29	2		2	2	1	2	1	4	1	2	2	2	44	2	4	4	1	4	3	3		4	12	102	10-29
30-49		1		1	1	1		2	1		1	2	39	2	3	1		2		4	4	1	7	73	30-49
50-99	1		2					1	1	2	4	1	38	2	2		3	1	1			2	2	63	50-99
100-299			1	1	2	2		1	1	1	2		7	1	1	1	3	1			2		5	32	100-299
300 workers or more					1	1			1				5											8	300 workers or more
total	3	1	5	4	5	6	3	9	8	5	9	5	142	8	10	8	7	11	4	9	8	7	29	306	total

Month of fatal accidents in social welfare facility 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				1			2	1		1	1		2	1		2				1	1	1	7	21	January
February				1			2	1	1	2			1	1	2		1				3		2	17	February

March			1	1		1	1		1				137				1	1	1		3	4	152	March	
April					1			1		1			1	1	1		1	1				6	14	April	
May			1	1					1	1	1		1	1	1	2		1	1				3	15	May
June	2					1		1	1					1			1	1	1					9	June
July	1	1	1	1	1				2		1	1			1			1		4	1	1	3	20	July
August								1		1	1	1	2		1	1		2	1		1	2	2	16	August
September						1		2					1			2	2	1		1				10	September
October			1	1							1	2		1	1	1	1	2			1		1	13	October
November						1	2			1	1				1						1		1	8	November
December			1		1	2			1		1			2	1		1			1				11	December
total	3	1	5	4	5	6	3	9	8	5	9	5	142	8	10	8	7	11	4	9	8	7	29	306	total

Prefecture of fatal accidents in social welfare facility 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							1			1			1	1	1	1		2	3	1				12	Hokkaido	
Aomori																		1							1	Aomori
Iwate													36	1							1				38	Iwate
Miyagi													97				1							1	99	Miyagi
Akita																										Akita
Yamagata									1																1	Yamagata
Fukushima										1			4												5	Fukushima
Ibaraki						1																	1		2	Ibaraki
Tochigi			1												1		1					1			4	Tochigi
Gunma													1				1				1	1			4	Gunma

Tokushima																		1	1					2	Tokushima			
Kagawa		1																							1	Kagawa		
Ehime																										Ehime		
Kochi							1							1											2	Kochi		
Fukuoka	1		1																						1	6	Fukuoka	
Saga								1																	1	2	Saga	
Nagasaki																									1	1	Nagasaki	
Kumamoto												1	1												2	4	Kumamoto	
Oita									1				1												1	3	Oita	
Miyazaki																										1	1	Miyazaki
Kagoshima			1																							1	1	Kagoshima
Okinawa																										1	1	Okinawa
total	3	1	5	4	5	6	3	9	8	5	9	5	142	8	10	8	7	11	4	9	8	7	29	306	total			

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

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