

Fatal and non-fatal accidents in other cleaning and livestock process service in Japan in 1999-2022

other cleaning and livestock process service industry Code No.150109

Type of accidents in other cleaning and livestock process service 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	191	175	202	170	171	173	166	160	159	167	140	130	143	145	145	113	146	148	131	158	136	152	132	117	3,670
falling to same level	220	227	223	195	192	199	178	198	172	178	150	165	149	164	179	182	160	181	178	185	158	192	190	179	4,394
crash	77	88	87	71	63	56	52	62	44	50	55	41	51	55	39	42	48	48	50	45	44	57	46	41	1,312
struck by flying or falling object	59	53	67	46	55	51	42	43	42	39	36	38	46	29	40	30	37	37	22	24	31	29	27	23	946
collapse	7	12	14	12	7	12	10	11	7	4	11	6	7	6	5	5	7	3	4	11	7	5	5	6	184
crashed by	39	45	34	31	32	44	40	34	22	29	31	24	21	28	31	30	30	25	19	23	13	28	17	20	690
caught in/between	117	124	104	109	131	102	107	109	88	120	86	67	88	87	78	94	82	59	76	67	85	70	75	76	2,201
cut	67	69	82	68	56	45	47	55	50	40	43	53	39	49	47	38	39	34	39	35	40	36	28	23	1,122
injury to the sole of the foot	2	3	1	5	7	3	5	7	4	7	3	3	2	4	4	7	1	2	2	5		4	2	2	85
drown		1											3			1			1						6
contact to high/low-	13	9	12	13	5	8	8	3	7	4	8	17	9	8	8	6	7	8	7	21	15	17	13	10	236

machine	5	5	6	7	8	11	7	9	6	13	10		5	9	8	7	6	7	7	4	5	7	5	5	162
metal manufacturing machine	3	8	4	2	3	5	1	4	7	4	1	5	9	2	5	1	1	3	1	5	3	2	2	7	88
general machine	24	27	39	33	29	27	34	30	25	26	20	23	26	20	24	25	27	16	20	18	21	17	18	20	589
mobile silviculture machine																		1		1				2	4
crane	8	8	9	9	4	1	5	10	6	9	5	3	3	5	2	2	4	1	3	7	9	8	3	2	126
conveying machine	173	186	184	150	175	124	157	152	141	149	131	106	124	132	125	126	96	124	95	99	107	99	96	97	3,148
vehicle	64	50	41	47	49	63	60	50	46	45	39	23	41	46	40	35	52	40	39	28	33	36	31	31	1,029
pressure vessel	3	1		1		2			3	1	1		1	1	1		1			1	1				18
chemical facilities	1					2		1													1	2	1		8
welding equipment							1									1							1	1	4
kiln, caldron		3	4		1	1	1	1	1		3		1	2	2		1	1				1			23
electric equipment	2		3	4		4		1	2				1		1		1	2		3	1	1		1	27
human power machine, tools	25	24	31	21	26	25	24	24	23	21	17	12	14	21	18	20	19	15	16	30	13	23	12	23	497
tools	82	75	84	64	76	66	59	74	54	79	62	56	69	62	67	56	63	61	63	64	58	59	54	61	1,568
other equipments, facilities	37	28	28	30	30	18	23	25	19	24	36	24	22	23	22	21	29	25	22	28	38	23	24	26	625

temporary buildings, establishments	313	297	311	287	260	278	250	238	231	240	210	225	200	219	236	213	233	254	252	241	212	270	243	205	5,918
hazards, harmful substances	17	7	9	20	9	6	11	10	10	7	4	8	6	10	6	5	8	14	5	7	5	4	6	11	205
materials	72	70	75	63	58	65	53	58	53	57	42	55	37	33	38	51	43	34	35	33	45	40	36	28	1,174
load	130	151	137	92	93	70	63	56	70	47	45	46	61	47	45	40	51	38	26	34	45	48	50	33	1,518
natural environment	35	33	42	33	35	33	37	35	26	31	31	36	30	35	30	29	25	29	28	52	29	42	24	29	789
other causal agent	28	52	40	35	31	21	14	26	10	12	8	15	32	13	14	23	20	7	12	12	11	27	13	10	486
no causal agent	53	46	48	50	46	56	41	35	31	33	37	45	42	43	32	41	37	41	26	42	38	45	66	44	1,018
unclassifiable	8	5	1	1	2	1	1	2	4	4	2	2	1	3	4	4	1	1	2	3	2			1	55
total	1,091	1,086	1,106	959	950	886	852	858	774	810	714	698	730	733	731	710	726	721	656	715	686	763	691	643	19,289

Causal agents (small) of fatal and non-fatal accidents in other cleaning and livestock process service 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						4
power transmission mechanism			5		7		2	7	2	2	2		2	2	3	2		2	1		2	3	3	1	48
circular sawing machine			3		5		1	4	4	1	4	3		2	3	2	1	3	1	1	2	3			43

cableway																									
simple skyline yarding equipment																									
other powered crane			2										1						2						5
truck			148		125		105	111	108	118	100	83	90	92	96	95	71	102	73	74	87	84	75	79	1,916
forklift			3		11		14	15	7	4	4	2	6	11	2	9	2	4	5	11	6	3	3	5	127
railway equipment					1									1											2
conveyor			13		15		14	12	8	7	14	9	5	10	7	8	8	5	4	7	2	6	4	4	162
loader			1		2					2		1			1						1	1		1	10
straddle carrier																									
rough terrain hauler																									
other powered conveying machines			19		21		24	14	18	18	13	11	23	18	19	14	15	13	13	7	11	5	14	8	298
cars, bus, motorcycle			33		37		48	40	35	32	27	16	35	36	25	25	42	33	26	20	21	28	22	21	602
railway vehicle			6		7		7	5	7	12	8	2	4	6	8	8	6	5	11	6	8	5	7	7	135
other vehicles			2		5		5	5	4	1	4	5	2	4	7	2	4	2	2	2	4	3	2	3	68
boiler										1	1		1	1	1		1			1					7
pressure vessel																									
other pressure vessels									3												1				4

ladder			45		53		42	45	35	46	38	36	42	42	44	32	48	43	34	44	35	38	37	40	819
slinging tool			2		1		2	1	2	1	1	1	1	1		2					1		1		17
other tools			37		22		15	28	17	32	23	19	26	19	23	22	15	18	29	20	22	21	16	21	445
other equipment, facilities			28		30		23	25	19	24	36	24	22	23	22	21	29	25	22	28	38	23	24	26	512
scaffolding			4		4		10	2	3	3	2	1	3	2	4		7	1		3	1	2		1	53
timbering									1																1
stairs, landing stage			37		40		29	35	32	33	28	30	42	37	38	28	34	35	34	42	28	41	36	29	688
opening			11		3		3	7	3	3	4	8	4	4	6	2	4	6	3	7	3	8	5	5	99
roof, beam, haze, crossbeam, principal rafter			7		8		7	1	4	3	3	1	2	3	6	3		2	5	4	5	1	1	1	67
working platform, boot board			31		40		33	35	33	42	23	32	21	21	20	32	22	30	22	24	25	31	19	21	557
passage			101		69		88	84	79	77	64	65	71	91	84	76	83	108	97	94	77	112	130	93	1,743
building, establishment			65		48		48	44	45	55	53	57	39	46	51	46	45	35	58	40	42	39	27	35	918
other temporary buildings, establishments			55		48		32	30	31	24	33	31	18	15	27	26	38	37	33	27	31	36	25	20	617
explosive substance							1	1													1			1	4
inflammable									2	2				1			2						2		9

substance																									
inflammable gas						1	1		1				1	2			3		1						10
harmful substance			5		2		3	4	5	3	3	3	2	5	2	1	2	5	1	1	2	2	1	5	57
radiation																									
other hazards, harmful substances			4		7		6	4	3	1	1	5	4	3	2	4	4	6	4	5	2	2	3	5	75
metal material			25		22		23	22	20	20	13	17	18	10	12	15	15	12	5	14	18	17	11	10	319
lumber, bamboo			10		8		4	10	5	7	6	12	5	7	8	6	4	7	7	6	5	4	8	6	135
stone, sand, substance			9		3		3	3	5	1	3	2	4	2	1	7	4	4	1	1	3	3	2	2	63
other materials			31		25		23	23	23	29	20	24	10	14	17	23	20	11	22	12	19	16	15	10	387
load			133		89		57	51	63	41	43	40	56	44	41	37	48	36	24	33	38	43	48	30	995
machine/equipment as load			4		4		6	5	7	6	2	6	5	3	4	3	3	2	2	1	7	5	2	3	80
natural ground, rock			12		7		8	7	6	12	8	7	3	5	3	3	9	4	4	5	8	8	4	3	126
standing tree			5		6		7	8	4	8	16	6	6	6	6	1	3	2	6	6	3	8	3	2	112
water			1		2		1	3	2	2			4	1	2	1		2	1	2	1	1	1	1	28
abnormal environment			1							1		1		2	1					1	1				8
high/cold temperature			6		5		3	1	2	2	3	10	4	6	5	1	4	6	5	18	12	13	7	9	122

9 workers or less	220	195	209	194	223	188	169	198	157	173	150	167	149	163	160	170	170	163	137	142	136	165	134	117	4,049
10-29	289	264	245	265	271	260	240	245	244	242	212	204	217	225	217	216	224	221	198	225	224	230	207	215	5,600
30-49	149	133	158	146	141	125	148	120	107	127	105	103	114	118	117	104	100	111	95	114	117	129	118	114	2,913
50-99	204	215	201	120	153	133	147	131	119	124	121	89	116	119	110	109	110	117	115	116	109	121	127	89	3,115
100-299	202	238	192	160	132	144	117	138	122	118	96	108	112	95	106	98	106	92	86	96	82	96	87	86	2,909
300 workers or more	27	41	101	74	30	36	31	26	25	26	30	27	22	13	21	13	16	17	25	22	18	22	18	22	703
total	1,091	1,086	1,106	959	950	886	852	858	774	810	714	698	730	733	731	710	726	721	656	715	686	763	691	643	19,289

Month of fatal and non-fatal accidents in other cleaning and livestock process service 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	87	69	83	56	85	82	58	88	70	88	62	53	62	64	73	53	48	59	53	70	70	61	56	59	1,609
February	87	75	68	76	69	72	59	59	65	69	60	59	54	61	47	59	55	49	50	55	52	57	49	38	1,444
March	78	94	88	80	102	77	55	77	64	63	65	65	74	57	77	55	73	57	59	60	47	68	60	45	1,640
April	91	91	86	66	83	76	66	58	73	75	59	57	55	50	59	80	62	56	49	72	53	70	65	45	1,597
May	88	101	112	85	75	66	90	70	75	61	52	38	61	65	56	52	53	70	64	63	49	55	46	65	1,612
June	112	103	92	73	89	72	70	56	73	71	69	68	70	73	56	63	73	60	56	47	55	60	53	53	1,667
July	105	124	107	96	96	80	76	77	61	62	56	81	56	58	71	66	72	65	53	78	68	70	76	63	1,817
August	113	93	100	95	94	69	78	110	62	67	55	61	62	67	66	56	60	78	59	62	69	71	69	70	1,786
September	82	97	95	84	74	70	81	67	56	76	59	57	51	56	60	57	63	48	51	56	57	77	50	58	1,582
October	100	85	104	103	61	78	76	64	70	68	64	54	47	70	54	53	67	44	46	56	63	57	59	50	1,593

November	83	68	83	69	64	92	62	73	59	58	52	53	57	63	58	64	46	57	67	46	56	57	53	44	1,484
December	65	86	88	76	58	52	81	59	46	52	61	52	81	49	54	52	54	78	49	50	47	60	55	53	1,458
total	1,091	1,086	1,106	959	950	886	852	858	774	810	714	698	730	733	731	710	726	721	656	715	686	763	691	643	19,289

Prefecture of fatal and non-fatal accidents in other cleaning and livestock process service 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	31	34	27		42		28	22	41	23	19	26	24	31	26	33	29	25	23	31	33	49	38	27	662
Aomori	6	6	2				9	8	4	10	2	7	5	4	5	5	10	6	9	8	1	4	6	3	120
Iwate	4	1	10		12		8	4	12	7	7	8	10	8	8	3	7	5	8	7	7	9	13	4	162
Miyagi	9	13	10		8		4	14	14	13	8	11	13	24	23	6	2	9	6	6	6	9	14	10	232
Akita	7	5	5		8		6	10	5	9	2	4	2	4	6	6	3	4	2	1	2	2	1	2	96
Yamagata	10	5	7		6		6	9	3	2	5	2	5	7	5	2	7	13	5	4		5	4	6	118
Fukushima	10	12	11		8		9	21	8	11	8	11	11	7	8	9	12	12	13	11	9	15	15	9	240
Ibaraki	16	18	14		14		21	19	13	22	20	16	16	18	12	22	15	14	16	24	29	21	20	6	386
Tochigi	7	8	9		10		9	10	11	10	7	10	8	11	13	13	9	17	14	11	7	15	12	12	233
Gunma	18	20	16		22		20	11	12	22	16	20	13	16	16	21	23	20	16	17	15	16	18	24	392
Saitama	43	57	38		41		39	45	45	54	57	39	37	41	53	37	31	33	31	47	23	46	43	44	924
Chiba	42	29	28		42		49	48	38	35	33	55	52	38	30	45	42	30	26	29	46	35	48	49	869
Tokyo	74	73	74		78		78	77	87	76	58	64	67	57	86	82	75	60	88	81	67	68	60	58	1,588
Kanagawa	37	43	59		43		44	47	38	39	33	35	31	28	32	55	45	37	26	33	35	48	27	43	858

Tokushima	26	18	16		29		18	16	19	22	12	13	15	16	18	13	20	11	9		1	7	1	1	301
Kagawa	11	8	10		7		8	6	15	8	9	8	4	5	5	3	5	8	5	1	6	4	8	9	153
Ehime	5	10	12		11		6	4	7	7	10	8	3	7	8	9	8	7	7	11	14	5	12	7	178
Kochi	22	14	10		7		4		1	3	2	2	5	5	4	4	2	3	7	2	5	4	4	3	113
Fukuoka	51	42	64		57		47	37	36	55	38	39	42	43	43	38	43	41	36	31	24	26	23	30	886
Saga	6	9	5		6		5	3	3	4	4	4	2	6	2	3	5	9	6	6	8	3	3	4	106
Nagasaki	10	9	8		7		12	12	15	7	9	9	6	16	9	7	6	10	6	4	8	12	7	3	192
Kumamoto	12	15	12		21		10	19	9	17	18	15	15	11	14	14	8	22	16	24	12	20	12	24	340
Oita	6	10	7		8		5	8	5		3	4	5	3	1	4	3	2	4	2	5	5	4	6	100
Miyazaki	15	10	24		15		18	11	4	10	15	6	7	6	4	6	9	5	4	7	12	3	11	4	206
Kagoshima	11	6	9		9		17	14	9	2	11	7	10	9	8	6	9	7	8	9	7	9	12	8	197
Okinawa	3	4	8					3	1	3	1	5	3	3	1	4	2	6	1	4	3	8	1	1	65
total	1,091	1,086	1,106	959	950	886	852	858	774	810	714	698	730	733	731	710	726	721	656	715	686	763	691	643	19,289

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

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

Data of 2011 year include fatal and non-fatal accidents caused by Great East Japan Earthquake in 2011.

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

Return to https://www.jisha.or.jp/english/statistics/2022e_industry.html

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Fatal accidents in other cleaning and livestock process service in Japan in 1999-2022

other cleaning and livestock process service industry Code No.150109

Type of fatal accidents in other cleaning and livestock process service 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	4	1	2	7	2	2	3	1	2	3	1	2	2		2			2	2		2	1		1	42
falling to same level	1								1								1								3
crash																									
struck by flying or falling object								1																	1
collapse															2			1						1	4
crashed by	1	1			2		1		2	1		1			1		1								11
caught in/between	1		1	1	1	3	3		1	1	3		2	1	1	2	1				1	1			24
cut			1									1		1											3
injury to the sole of the foot																									
drown		1								1			1			1			1						5
contact to high/low-temperature	1			1														1							3
contact to harmful substance	1			7		1						1		1							1			1	13

electric shock			2																					2	
explosion																									
burst																									
fire	1												1											2	
traffic accident (public road)	3		7	4	2	1	2	1		3		2	1	1	1		1	1	1		2	1		34	
traffic accident (others)																									
reaction to motion/improper motion																									
others																									
unclassifiable																									
total	13	3	13	20	7	7	9	3	6	9	4	7	6	5	7	3	4	5	4		6	3		3	147

Causal agents (large) of fatal accidents in other cleaning and livestock process service 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		2	1		1				1	1	1		1			1				1				11
crane, conveying machine	5	1	7	6	6	4	7	1	3	6	2	3	3	2	4	1	3	1	1		2	2			70
other equipment	1	1	2	1		1				1		1	1		2	1		2				1		1	16

unclassifiable								1																1	
total	13	3	13	20	7	7	9	3	6	9	4	7	6	5	7	3	4	5	4		6	3		3	147

Workers age of fatal accidents in other cleaning and livestock process service in 1999-2022

Age	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
19 years old or less	1																		1						2
20-29	1		3	1	1	2	1	1				1				1						2			14
30-39	3		3	3	1	2	1			3		2	1	1	3		2	1	1		1	1		1	30
40-49	1	1	4	3		1	1			1	1			1	2			2	1		1				20
50-59	2	1	1	8	4	1		1	2	1	2	3	2	3		1	1	1				1			35
60 years old or more	5	1	2	5	1	1	6	1	4	4	1	1	3		2	1	1	1	1		2	1		2	46
total	13	3	13	20	7	7	9	3	6	9	4	7	6	5	7	3	4	5	4		6	3		3	147

Workers' number of workplace of fatal accidents in other cleaning and livestock process service 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	3	2	6	8	1	1	4	1	1		1	4	2	2	2	1	2	2	2		1	2		2	50
10-29	7		4	8	2	3	3	1	3	5	2	2	1	2	2	2	1	1	1		5				55
30-49	1	1	2		1	1	1		1	2			2	1	2		1	1				1		1	19
50-99	2		1	3	1	1	1		1	1	1	1	1		1			1							16
100-299				1	2	1		1		1									1						7

300 workers or more																									
total	13	3	13	20	7	7	9	3	6	9	4	7	6	5	7	3	4	5	4		6	3		3	147

Month of fatal accidents in other cleaning and livestock process service 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				2			1	2				1						10
February	1				2	2				1					1	1					2				10
March		1	1	5	1	2	1	1		1		2	1	2	1		1	1	1						22
April	1			1		1			1	1					1		2					1			9
May	2		1	1	1			2	1	3		1	1												13
June	1	1	2	1	1	2			1	1		2			1						2			1	16
July	1		2	3	1		1				1	1			1			1							12
August	1			5			2			1		1	1	1			1		1		1				15
September			2				1															1	1		5
October	1		1	2	1		3		1				1					2							12
November	3	1		1					1	1	1		1			1									10
December	1		2	1					1				1	1		1		1	1			1		2	13
total	13	3	13	20	7	7	9	3	6	9	4	7	6	5	7	3	4	5	4		6	3		3	147

Prefecture of fatal accidents in other cleaning and livestock process service in 1999-2022

Saga																									
Nagasaki													1											1	
Kumamoto					1								1											2	
Oita					1																			1	
Miyazaki																		1						1	
Kagoshima																	1							1	
Okinawa			2																					2	
total	13	3	13	20	7	7	9	3	6	9	4	7	6	5	7	3	4	5	4		6	3		3	147

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

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