

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

livestock process service industry Code No.150105

Type of accidents in 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	2	5	3	4	5	4	8	7	3	7	6	5	2	7	6	9	2	1	2	6	5	2	4	4	109
falling to same level	4	7	5	6	5	6	5	8	5	4	8	4	9	3	12	2	5	13	4	5	4	11	9	17	161
crash			2	1	1	2	2		2	3	3	3	1	3	1	1	5	2	3		1	2	1	2	41
struck by flying or falling object	1	3	1	4	6	4	2	3	5	4	5	5	8	2		1		6		3		1	3	2	69
collapse		1													1	3								1	6
crashed by	7	2	7	8	7	6	10	4	3	5	8	12	8	11	3	7	5	9	4	5	9	3	3	3	149
caught in/between	5	11	2	9	9	10	5	7	4	5	8	4	9	8	6	8	7	8	7	8	6	7	8	4	165
cut	23	36	39	41	23	18	29	26	18	34	34	22	31	21	32	22	14	22	14	15	13	16	11	18	572
injury to the sole of the foot							1													1					2
drown						1																			1
contact to high/low-		1		1	3	1	1				3		2	1			1	2	1	1	3	2	1	1	25

temperature																									
contact to harmful substance		1					1	1					1							1					5
electric shock																							1	1	
explosion																									
burst																									
fire																									
traffic accident (public road)			1				2				1													4	
traffic accident (others)																									
reaction to motion/improper motion	4	6	2	3	6	3		1	3	4	3	7	2	4	5	6	4	2	5	3	2	2	6	5	88
others		5	2	1	1		2	2						2		1	1	1	2	1	1		10	1	33
unclassifiable							1																		1
total	46	78	64	78	66	55	69	59	43	66	79	62	73	62	66	60	44	66	42	48	45	46	56	59	1,432

Causal agents (large) of fatal and non-fatal accidents in 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	7	4	1	10	4	5	9	7	1	10	14	5	10	6	8	5	4	5	4	2	3	1	4	7	136

pressure vessel																							
other pressure vessels			1																				1
chemical facilities																							
gas welding equipment																							
arc welding equipment																							
other welding equipment																							
kiln, caldron																							
industrial dryer																							
other kiln, caldron																							
transmission																							
electric power facilities																							
other electrical equipment												1										1	2
human power cranes			1			1			1			1	1						1		1		7
human power hauling equipment										2	1	2			1						1	1	8

human power machine									1						1									2	
hand tool			34		19		22	23	20	25	21	20	23	18	24	21	10	21	13	15	12	14	11	14	380
ladder					2		3	1		3	1	1	2	3	3	2		1	1	4	3	2	1	3	36
slinging tool																	1								1
other tools			1		6		2		2	1	2	2	3	3	1	3	4	4	1	2	1	3	4	4	49
other equipment, facilities			1		2		1	3		1		2		2	2	3		2	1				4	1	25
scaffolding										1								1		1					3
timbering																									
stairs, landing stage			3		1		3	2	1	3	2	4		1		2	1			1	1	3	1		29
opening											1	1			2										4
roof, beam, haze, crossbeam, principal rafter															1										1
working platform, boot board			2				3	2		2	2	1	1		2		2	2	2	2		3	1	6	33
passage					4		3	2	3	1	2	1	5	4	5	3	2	6	2	1	2	3	3	6	58
building, establishment			1		1		1	2			2	1	2	1			1	1	3				1		17
other temporary buildings,							2	3	3	1	2	1	1		2	3			2		1				21

environment																									
high/cold temperature environment							1				1		1				1	1	1		1			7	
other environments			5		10		5	3	4	3	15	8	3	12	6	7	10	9	5	6	8	8	7	11	145
other causal agent			3		10		3	3	2	3	3	6	7	3	2	1	1	4	1	2	2	2	7	1	66
no causal agent					1			1		4	2	2	2	1	3	3	3	1	2	1	1	1	3	1	32
unclassifiable			1				1					1							1					4	
total	46	78	64	78	66	55	69	59	43	66	79	62	73	62	66	60	44	66	42	48	45	46	56	59	1,432

Workers age of fatal and non-fatal accidents in 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		3	4	3	6	3	1		2	3	4	2	3	3	4	3	1				1				46
20-29	9	10	15	14	7	12	12	11	6	17	12	9	15	11	11	7	5	13	10	9	6	5	7	4	237
30-39	4	8	7	13	16	7	13	7	8	12	21	18	13	14	13	16	8	12	11	9	8	10	15	8	271
40-49	10	16	17	15	8	13	16	13	8	10	16	10	13	13	11	14	10	15	6	10	13	13	11	20	301
50-59	15	25	16	21	18	16	14	15	13	13	18	11	16	12	15	10	8	14	7	12	11	11	8	12	331
60 years old or more	8	16	5	12	11	4	13	13	6	11	8	12	13	9	12	10	12	12	8	8	6	7	15	15	246
total	46	78	64	78	66	55	69	59	43	66	79	62	73	62	66	60	44	66	42	48	45	46	56	59	1,432

Workers' number of workplace of fatal and non-fatal accidents in 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	5	3	6	5	2	3	2		4	8	2	4	3	4	1	3	3	1	2	6	1	1	2	74
10-29	19	33	18	26	19	19	19	16	14	16	17	13	14	13	17	8	7	8	9	13	6	9	16	7	356
30-49	11	14	12	9	13	18	12	12	3	22	21	14	18	14	19	17	16	22	11	13	21	18	21	15	366
50-99	11	20	29	34	24	13	31	22	18	17	27	12	25	19	17	17	10	16	7	7	4	7	7	9	403
100-299	2	6	2	3	3	3	3	7	8	7	6	7	11	11	9	17	8	17	14	13	8	11	8	11	195
300 workers or more					2		1					14	1	2									3	15	38
total	46	78	64	78	66	55	69	59	43	66	79	62	73	62	66	60	44	66	42	48	45	46	56	59	1,432

Month of fatal and non-fatal accidents in 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	6	8	6	6	4	3	1	4	6	8	3	2	5	2	5	7	6	7	5	3	2	4	4	5	112
February	4	7	4	6	3	4	5	6	5	2	6	6	6	5	7	9		5	1	3		4	6	5	109
March	5	5	2	7	10	6	11	5	2	4	10	8	9	7	6	1	3	6	4	2	4	2	2	4	125
April	3	6	7	10	2	7	6	5	6	6	10	4	3	3	4	4	3	5	4	5	3	6	9	6	127
May	7	5	8	7	7	1	4	4	6	5		7	5	4	9	8	6	6	2	3	3	4	5	3	119
June	1	4	6	5	9	1	4	8	4	4	7	3	6	6	5	1		5	3	2	5	4	4	6	103

July	3	14	7	9	6	7	11	4	1	3	5	4	6	4	6	7	1	4	3	8	7	1	3	5	129
August	6	7	6	4	10	5	6	4	4	8	10	7	6	9	7	5	4	6	6	4	5	6	4	2	141
September	5	5	2	5	3	5	4	4	2	9	7	7	6	8	6	3	6	7	4	3	2	6	5	6	120
October	4	6	6	6	6	4	5	6	4	6	7	4	9	5	8	4	6	5	3	7	5	3	6	6	131
November	2	6	5	8	1	4	9	6	3	4	7	4	4	6	1	6	7	8	3	5	6	3	5	8	121
December		5	5	5	5	8	3	3		7	7	6	8	3	2	5	2	2	4	3	3	3	3	3	95
total	46	78	64	78	66	55	69	59	43	66	79	62	73	62	66	60	44	66	42	48	45	46	56	59	1,432

Prefecture of fatal and non-fatal accidents in 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		1			3		2				2	1	1	3	2	4	5	5	1	3	6	6	4	1	50
Aomori	3	2	1		1		2		5	2	3				2		1		1		3	5	6	4	41
Iwate													1					1					1	1	4
Miyagi					1				1						3										5
Akita		2																							2
Yamagata	1	1	3		6			4	2	2	2	1	2	3	1			3	3	1	2	1	3	1	42
Fukushima		1			2			1	1		1			1				2	2		1		4	1	17
Ibaraki	6	8	6		3		4			5	5	2	7	4	6	2	5	2	2	5	6	4	1	4	87
Tochigi	1		1							2				2					1	1	1	3		1	13
Gunma	2	6	1		1		3	2	1	2	1	5	5	3	6	8	1	5	6	2	1	4	5	1	71

Shimane		1			1		1	2		1		1	3			1			1		2				14
Okayama									2		2								2		1				7
Hiroshima			1				2	1		2						1		2							9
Yamaguchi	1							1			1			2											5
Tokushima	4	11	11		4		7	7	5	7	1		1	2	3	3		1		1		1	9	1	79
Kagawa		3	1		2			2					2				1	2		1			2	1	17
Ehime																									
Kochi	1	1																	1		1				4
Fukuoka	4	9	1		1		3	4	2	1	4		2	2	1		2	3	1	2	1	2	3	1	49
Saga					1			1							1	1		2	1	4		2		6	19
Nagasaki					2		1	1		1		2	1					1	3	1	1			1	15
Kumamoto	3	3	2				5	4	4	3	2	2	3			2	6	4	3	1	3	2			52
Oita		1	4		2		1		1	2	1		5			5	1	1	2	3	1	1			31
Miyazaki		1			2		5	3			1														12
Kagoshima	1	3							1		5			1	1		1			1					14
Okinawa	4	4			1		1	1					1	2	4	1	1		2	1	1	1	1	1	27
total	46	78	64	78	66	55	69	59	43	66	79	62	73	62	66	60	44	66	42	48	45	46	56	59	1,432

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.

drown					1																		1
contact to high/low- temperature																							
contact to harmful substance																							
electric shock																							
explosion																							
burst																							
fire																							
traffic accident (public road)										1													1
traffic accident (others)																							
reaction to motion/improper motion																							
others																							
unclassifiable																							
total					2					1			1									1	5

Causal agents (large) of fatal accidents in livestock process service in 1999-2022

Shimane																									
Okayama																									
Hiroshima																									
Yamaguchi										1														1	
Tokushima																									
Kagawa					1																			1	
Ehime																									
Kochi																									
Fukuoka																									
Saga																									
Nagasaki																									
Kumamoto																									
Oita																									
Miyazaki																									
Kagoshima																									
Okinawa																									
total					2					1			1											1	5

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

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