

Fatal and non-fatal accidents in livestock process service in Japan in 1999-2021

livestock process service industry Code No.150105

Type of accidents in livestock process service 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	2	5	3	4	5	4	8	7	3	7	6	5	2	7	6	9	2	1	2	6	5	2	4	105	fall from height
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	144	falling to same level
crash			2	1	1	2	2		2	3	3	3	1	3	1	1	5	2	3		1	2	1	39	crash
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	67	struck by flying or falling object
collapse		1													1	3								5	collapse
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	146	crashed by
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	161	caught in/between
cut	23	36	39	41	23	18	29	26	18	34	34	22	31	21	32	22	14	22	14	15	13	16	11	554	cut
injury to the sole of the foot							1													1				2	injury to the sole of the foot
drown						1																		1	drown
contact to high/low-temperature		1		1	3	1	1				3		2	1			1	2	1	1	3	2	1	24	contact to high/low-temperature

contact to harmful substance		1					1	1					1								1			5	contact to harmful substance
electric shock																									electric shock
explosion																									explosion
burst																									burst
fire																									fire
traffic accident (public road)			1				2				1													4	traffic accident (public road)
traffic accident (others)																									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	83	reaction to motion/improper motion
others		5	2	1	1		2	2						2		1	1	1	2	1	1		10	32	others
unclassifiable							1																	1	unclassifiable
total	46	78	64	78	66	55	69	59	43	66	79	62	73	62	66	60	44	66	42	48	45	46	56	1,373	total

Causal agents (large) of fatal and non-fatal accidents in livestock process service in 1999-2021

[illegible]

machine	2	8	6	4	2	4	5	3	5	4	4	2	5	3	3	3	2	5	2	4	5	1	3	85	conveying machine
other equipment	25	36	38	36	29	23	29	27	22	32	26	26	32	28	30	31	15	28	16	21	17	20	21	608	other equipment
temporary buildings, establishments	4	6	6	10	6	11	12	11	7	8	11	9	9	6	12	8	6	10	9	5	4	9	6	185	temporary buildings, establishments
substance, material		3	3		2		5	2	2	1	3	2	1	2		1	2	3	2	5	3	1	1	44	substance, material
load		1	1	1	2	1		1		1	1	1	3	1	1	1	1	1			1	3	3	25	load
environment	4	7	5	13	10	4	5	4	4	3	15	8	4	12	7	7	10	9	6	7	9	8	8	169	environment
others	4	13	4	4	11	7	4	4	2	7	5	9	9	4	5	4	4	5	3	4	3	3	10	128	others
total	46	78	64	78	66	55	69	59	43	66	79	62	73	62	66	60	44	66	42	48	45	46	56	1,373	total

Causal agents (middle) of fatal and non-fatal accidents in livestock process service in 1999-2021

[illegible]

tools	4	4	1	3	8	4	5	1	2	4	3	3	5	6	4	5	5	5	2	6	4	5	5	94	tools
other equipments, facilities	3	2	1	2	2	1	1	3		1		2		2	2	3		2	1				4	32	other equipments, facilities
temporary buildings, establishments	4	6	6	10	6	11	12	11	7	8	11	9	9	6	12	8	6	10	9	5	4	9	6	185	temporary buildings, establishments
hazards, harmful substances		1	1				2	1			1		1				1	1		1	1			11	hazards, harmful substances
materials		2	2		2		3	1	2	1	2	2		2		1	1	2	2	4	2	1	1	33	materials
load		1	1	1	2	1		1		1	1	1	3	1	1	1	1	1			1	3	3	25	load
natural environment	4	7	5	13	10	4	5	4	4	3	15	8	4	12	7	7	10	9	6	7	9	8	8	169	natural environment
other causal agent	3	7	3	3	10	3	3	3	2	3	3	6	7	3	2	1	1	4	1	2	2	2	7	81	other causal agent
no causal agent	1	6		1	1	3		1		4	2	2	2	1	3	3	3	1	2	1	1	1	3	42	no causal agent
unclassifiable			1			1	1					1								1				5	unclassifiable
total	46	78	64	78	66	55	69	59	43	66	79	62	73	62	66	60	44	66	42	48	45	46	56	1,373	total

Causal agents (small) of fatal and non-fatal accidents in livestock process service in 1999-2021

[illegible]

engine																									engine	
power transmission mechanism							1			1								1							3	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
chamfering machine, router, woodworking milling machine																										chamfering machine, router, woodworking milling machine
chain saw										1															1	chain saw
other woodworking machines																										other woodworking machines
leveling, transporting or loading machine												1	1												2	leveling, transporting or loading machine
excavating machine																										excavating machine
foundation work machine																										foundation work machine

[illegible]

machine																									machine
food manufacturing machine			1		2		5	4		5	1	2	5	4	5	2	3		2	1	1		3	46	food manufacturing machine
printing machine																									printing machine
industrial robot																									industrial robot
other general power machines					2		2	3	1	3	13	2	4	2	2	3	1	4	2	1	2	1	1	49	other general power machines
felling machine																									felling machine
mobile logging machine																									mobile logging machine
skyline yarding machine																									skyline yarding machine
other mobile silviculture machine																									other mobile silviculture machine
crane					1		1			1					1		2		1			1	8		crane
mobile crane														1									1		mobile crane
derrick crane																									derrick crane
elevator, lift								2										1					3		elevator, lift
cargo lifting appliance																									cargo lifting appliance
gondola																									gondola
lumberyard equipment, logging cableway																									lumberyard equipment, logging cableway

[illegible]

[illegible]

facilities			1		2		1	3		1		2		2	2	3		2	1				4	24	facilities
scaffolding									1									1		1				3	scaffolding
timbering																									timbering
stairs, landing stage			3		1		3	2	1	3	2	4		1		2	1			1	1	3	1	29	stairs, landing stage
opening											1	1			2									4	opening
roof, beam, haze, crossbeam, principal rafter															1									1	roof, beam, haze, crossbeam, principal rafter
working platform, boot board			2				3	2		2	2	1	1		2		2	2	2	2		3	1	27	working platform, boot board
passage					4		3	2	3	1	2	1	5	4	5	3	2	6	2	1	2	3	3	52	passage
building, establishment			1		1		1	2			2	1	2	1			1	1	3				1	17	building, establishment
other temporary buildings, establishments							2	3	3	1	2	1	1		2	3			2		1			21	other temporary buildings, establishments
explosive substance																									explosive substance
inflammable substance																									inflammable substance
inflammable gas																									inflammable gas
harmful substance							1	1					1											3	harmful substance
radiation																									radiation
other hazards, harmful substances			1				1				1						1	1		1	1			7	other hazards, harmful substances

metal material						2				2	1							1					6	metal material	
lumber, bamboo														1									1	lumber, bamboo	
stone, sand, substance																								stone, sand, substance	
other materials			2		2		1	1	2	1		1		2			1	2	1	4	2	1	1	24	other materials
load			1		2			1			1	1	3	1		1	1				1	3	3	19	load
machine/equipment as load										1					1			1						3	machine/equipment as load
natural ground, rock																									natural ground, rock
standing tree																									standing tree
water																									water
abnormal environment																									abnormal environment
high/cold temperature environment								1					1		1				1	1	1		1	7	high/cold temperature environment
other environments			5		10		5	3	4	3	15	8	3	12	6	7	10	9	5	6	8	8	7	134	other environments
other causal agent			3		10		3	3	2	3	3	6	7	3	2	1	1	4	1	2	2	2	7	65	other causal agent
no causal agent					1			1		4	2	2	2	1	3	3	3	1	2	1	1	1	3	31	no causal agent
unclassifiable			1				1					1								1				4	unclassifiable
total			64		66		69	59	43	66	79	62	73	62	66	60	44	66	42	48	45	46	56	1,116	total

Workers age of fatal and non-fatal accidents in livestock process service 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		3	4	3	6	3	1		2	3	4	2	3	3	4	3	1				1			46	19 years old or less
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	233	20-29
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	263	30-39
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	281	40-49
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	319	50-59
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	231	60 years old or more
total	46	78	64	78	66	55	69	59	43	66	79	62	73	62	66	60	44	66	42	48	45	46	56	1,373	total

Workers' number of workplace of fatal and non-fatal accidents in livestock process service 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	3	5	3	6	5	2	3	2		4	8	2	4	3	4	1	3	3	1	2	6	1	1	72	9 workers or less
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	349	10-29
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	351	30-49
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	394	50-99
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	184	100-299
300 workers or more					2		1					14	1	2									3	23	300 workers or more
total	46	78	64	78	66	55	69	59	43	66	79	62	73	62	66	60	44	66	42	48	45	46	56	1,373	total

Month of fatal and non-fatal accidents in livestock process service 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	6	8	6	6	4	3	1	4	6	8	3	2	5	2	5	7	6	7	5	3	2	4	4	107	January
February	4	7	4	6	3	4	5	6	5	2	6	6	6	5	7	9		5	1	3		4	6	104	February
March	5	5	2	7	10	6	11	5	2	4	10	8	9	7	6	1	3	6	4	2	4	2	2	121	March
April	3	6	7	10	2	7	6	5	6	6	10	4	3	3	4	4	3	5	4	5	3	6	9	121	April
May	7	5	8	7	7	1	4	4	6	5		7	5	4	9	8	6	6	2	3	3	4	5	116	May
June	1	4	6	5	9	1	4	8	4	4	7	3	6	6	5	1		5	3	2	5	4	4	97	June
July	3	14	7	9	6	7	11	4	1	3	5	4	6	4	6	7	1	4	3	8	7	1	3	124	July
August	6	7	6	4	10	5	6	4	4	8	10	7	6	9	7	5	4	6	6	4	5	6	4	139	August
September	5	5	2	5	3	5	4	4	2	9	7	7	6	8	6	3	6	7	4	3	2	6	5	114	September
October	4	6	6	6	6	4	5	6	4	6	7	4	9	5	8	4	6	5	3	7	5	3	6	125	October
November	2	6	5	8	1	4	9	6	3	4	7	4	4	6	1	6	7	8	3	5	6	3	5	113	November
December		5	5	5	5	8	3	3		7	7	6	8	3	2	5	2	2	4	3	3	3	3	92	December
total	46	78	64	78	66	55	69	59	43	66	79	62	73	62	66	60	44	66	42	48	45	46	56	1,373	total

Prefecture of fatal and non-fatal accidents in livestock process service 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			3		2				2	1	1	3	2	4	5	5	1	3	6	6	4	49	Hokkaido
Aomori	3	2	1		1		2		5	2	3				2		1		1		3	5	6	37	Aomori
Iwate													1					1					1	3	Iwate

Miyagi					1				1						3									5	Miyagi
Akita		2																						2	Akita
Yamagata	1	1	3		6			4	2	2	2	1	2	3	1			3	3	1	2	1	3	41	Yamagata
Fukushima		1			2			1	1		1			1				2	2		1		4	16	Fukushima
Ibaraki	6	8	6		3		4			5	5	2	7	4	6	2	5	2	2	5	6	4	1	83	Ibaraki
Tochigi	1		1							2				2					1	1	1	3		12	Tochigi
Gunma	2	6	1		1		3	2	1	2	1	5	5	3	6	8	1	5	6	2	1	4	5	70	Gunma
Saitama	2	2	2		10		2	1	3	1	1	1		4	6	1		3		4	3		1	47	Saitama
Chiba	3	5	4		5		8	2	1	2	4	5	1	1	3	2	1	6	1	4		2	2	62	Chiba
Tokyo					2		3	1		1	1	13	1	4	2	5	1		2					36	Tokyo
Kanagawa		3	17		9		8	10	7	12	14	12	15	11	5	8	4	3		1	1			140	Kanagawa
Niigata	2	2					1	2		9	17	9	10	2	5	4	3	6	4	3	5	1	4	89	Niigata
Toyama																1		1						2	Toyama
Ishikawa							1	1			1	1	3					1		2				10	Ishikawa
Fukui														1				1						2	Fukui
Yamanashi								1			1			2	2		1		3	2		2	1	15	Yamanashi
Nagano											1			1	1	1	2	1				1	1	9	Nagano
Gifu	4		1		1				1	2		1			1								1	12	Gifu
Shizuoka		2	1				1	3	1		2	3	4	2	5				1			1		26	Shizuoka
Aichi		3	3		2		2	2	4	1		1	3	2	3	7	3	4		2	2	2	2	48	Aichi
Mie	1		1		2		1	1		1	2					1	2	1			1	1		15	Mie
Shiga	2	1	2		1		1			6	2		1	4	1		1	1		1	2	1	3	30	Shiga
Kyoto	1	2			1											1		2					2	9	Kyoto

Osaka							1	1	1					1		1	1		1					7	Osaka
Hyogo							3				2	2	1	2	2		1	2			1	2		18	Hyogo
Nara			1																					1	Nara
Wakayama										1														1	Wakayama
Tottori																									Tottori
Shimane		1			1		1	2		1		1	3			1			1		2			14	Shimane
Okayama									2		2								2		1			7	Okayama
Hiroshima			1				2	1		2					1		2							9	Hiroshima
Yamaguchi	1							1			1			2										5	Yamaguchi
Tokushima	4	11	11		4		7	7	5	7	1		1	2	3	3		1		1		1	9	78	Tokushima
Kagawa		3	1		2			2					2				1	2		1			2	16	Kagawa
Ehime																									Ehime
Kochi	1	1																	1		1			4	Kochi
Fukuoka	4	9	1		1		3	4	2	1	4		2	2	1		2	3	1	2	1	2	3	48	Fukuoka
Saga					1			1							1	1		2	1	4		2		13	Saga
Nagasaki					2		1	1		1		2	1					1	3	1	1			14	Nagasaki
Kumamoto	3	3	2				5	4	4	3	2	2	3			2	6	4	3	1	3	2		52	Kumamoto
Oita		1	4		2		1		1	2	1		5			5	1	1	2	3	1	1		31	Oita
Miyazaki		1			2		5	3			1													12	Miyazaki
Kagoshima	1	3							1		5			1	1		1			1				14	Kagoshima
Okinawa	4	4			1		1	1					1	2	4	1	1		2	1	1	1	1	26	Okinawa
total	46	78	64		66		69	59	43	66	79	62	73	62	66	60	44	66	42	48	45	46	56	1,240	total

[illegible]

[illegible]

Causal agents (large) of fatal accidents in livestock process service in 1999-2021

[illegible]

Causal agents (middle) of fatal accidents in livestock process service in 1999-2021

[illegible]

[illegible]

[illegible]

[illegible]

Causal agents (small) of fatal accidents in livestock process service in 1999-2021

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

hand tool																									hand tool
ladder													1											1	ladder
slinging tool																									slinging tool
other tools																									other tools
other equipment, facilities																									other equipment, facilities
scaffolding																									scaffolding
timbering																									timbering
stairs, landing stage																									stairs, landing stage
opening																									opening
roof, beam, haze, crossbeam, principal rafter																									roof, beam, haze, crossbeam, principal rafter
working platform, boot board																									working platform, boot board
passage																									passage
building, establishment						1																		1	building, establishment
other temporary buildings, establishments																									other temporary buildings, establishments
explosive substance																									explosive substance
inflammable substance																									inflammable substance

[illegible]

[illegible]

Workers age of fatal accidents in livestock process service in 1999-2021

[illegible]

Workers' number of workplace of fatal accidents in livestock process service in 1999-2021

[illegible]

100-299																										100-299
300 workers or more													1												1	300 workers or more
total						2					1		1												4	total

Month of fatal accidents in livestock process service 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																										January
February																										February
March																										March
April						1																		1		April
May																										May
June											1													1		June
July																										July
August														1										1		August
September																										September
October						1																		1		October
November																										November
December																										December
total						2					1			1										4		total

Prefecture of fatal accidents in livestock process service in 1999-2021

[illegible]

[illegible]

Miyazaki																										Miyazaki
Kagoshima																										Kagoshima
Okinawa																										Okinawa
total						2					1			1											4	total

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

Return to https://www.jisha.or.jp/english/statistics/2021e_industry.html