

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

livestock industry Code No.0701

Type of accidents in livestock 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	271	274	277	246	195	231	202	232	239	259	236	232	231	263	203	241	234	244	255	279	250	273	276	5,643	fall from height
falling to same level	135	156	139	126	148	145	164	134	139	147	130	142	146	157	147	146	154	143	126	158	158	170	170	3,380	falling to same level
crash	53	47	58	37	42	52	50	41	37	44	40	50	60	52	35	38	42	42	45	42	46	49	47	1,049	crash
struck by flying or falling object	44	26	38	34	36	34	38	36	26	32	32	29	34	26	38	32	26	40	29	36	31	40	26	763	struck by flying or falling object
collapse	15	14	9	7	13	8	12	10	15	11	11	6	11	8	12	11	12	10	7	13	13	11	10	249	collapse
crashed by	268	245	281	269	228	260	241	274	257	253	225	249	216	226	218	195	211	236	253	200	238	263	263	5,569	crashed by
caught in/between	161	197	200	188	208	191	173	179	179	192	152	160	186	189	185	172	164	150	166	170	188	189	217	4,156	caught in/between
cut	34	30	55	36	46	41	49	42	37	45	34	36	37	35	45	31	29	32	32	38	33	50	33	880	cut
injury to the sole of the foot	9	7	4	2	4	2	6	4	4	2		6	3	7	4	3	3	3	1	6	2	5	4	91	injury to the sole of the foot
drown	1								1	1											1			4	drown
contact to high/low-temperature	8	6	5	4	4	4	12	6	9	4	8	10	6	3	15	6	3	7	4	14	7	12	8	165	contact to high/low-temperature
contact to harmful	1	5	3	3	3	3	4	2	4	6	8	12	9	19	8	6	11	12	6	6	7	11	8	157	contact to harmful

substance																									substance
electric shock	1				1				1		1			2			1	1			1	1	1	11	electric shock
explosion																			1					1	explosion
burst	1		1									1					1	1			1		2	8	burst
fire	1		3						1	1		2			1		1					1		11	fire
traffic accident (public road)	13	14	15	14	6	8	16	8	17	9	15	16	14	11	15	8	6	14	5	4	9	8	5	250	traffic accident (public road)
traffic accident (others)	1		4			2	2		1			1	1	1	1	1	2		1	1	1			20	traffic accident (others)
reaction to motion/improper motion	95	99	83	80	88	104	105	101	85	94	103	78	93	110	76	77	80	70	72	92	88	120	102	2,095	reaction to motion/improper motion
others	23	32	18	22	20	30	19	28	17	18	36	13	19	15	14	25	28	16	17	33	22	33	34	532	others
unclassifiable	4	1	2	3	2		1	4	1	3	3	6	3	5			1		2	1	3	3	3	51	unclassifiable
total	1,139	1,153	1,195	1,071	1,044	1,115	1,094	1,101	1,070	1,121	1,034	1,049	1,069	1,129	1,017	992	1,009	1,021	1,022	1,093	1,099	1,239	1,209	25,085	total

Causal agents (large) of fatal and non-fatal accidents in livestock 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	77	72	75	55	96	80	74	82	62	63	80	60	87	76	78	73	79	61	91	88	84	82	90	1,765	machine
crane, conveying machine	101	111	101	94	94	85	84	95	105	94	80	104	97	106	114	95	90	93	87	85	88	86	96	2,185	crane, conveying machine
other equipment	96	89	103	113	91	121	98	101	116	127	101	91	110	118	96	105	97	96	103	109	99	120	105	2,405	other

																									equipment
temporary buildings, establishments	138	143	149	118	132	128	139	134	171	138	128	138	152	170	136	125	135	141	134	171	165	197	182	3,364	temporary buildings, establishments
substance, material	29	34	24	24	25	21	41	20	24	21	26	38	28	32	23	28	24	27	21	31	24	26	30	621	substance, material
load	46	35	34	33	28	28	28	30	27	19	29	18	27	28	16	25	26	28	17	19	27	32	22	622	load
environment	566	591	635	561	490	553	546	388	418	559	510	510	491	530	495	469	477	513	518	505	528	613	584	12,050	environment
others	86	78	74	73	88	99	84	251	147	100	80	90	77	69	59	72	81	62	51	85	84	83	100	2,073	others
total	1,139	1,153	1,195	1,071	1,044	1,115	1,094	1,101	1,070	1,121	1,034	1,049	1,069	1,129	1,017	992	1,009	1,021	1,022	1,093	1,099	1,239	1,209	25,085	total

Causal agents (middle) of fatal and non-fatal accidents in livestock 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		1	1	1	2						2					1	1		1		12	engine
power transmission mechanism	11	11	5	5	12	9	10	11	11	9	11	8	9	8	12	5	11	3	16	12	9	8	13	219	power transmission mechanism
woodworking machine	3	7	4	2	8	9	3	6	5	4	2	2	6	6		3	2	5	3	2	3	3	5	93	woodworking machine
construction machine	17	6	10	8	8	17	10	13	6	7	8	12	15	17	10	13	13	7	13	16	16	13	14	269	construction machine
metal manufacturing machine		1	5	6	2	2	7	4	2	5	3	2	5	1	3	2	3	2	5	7		7	5	79	metal manufacturing machine

general machine	45	47	50	34	65	42	43	46	38	38	56	36	52	42	53	50	50	43	53	50	56	50	53	1,092	general machine
mobile silviculture machine																		1						1	mobile silviculture machine
crane	5	4	3	6	1	1	1	1	3	4	3	3	3		2	4	2	2	2	2	2	3		57	crane
conveying machine	77	88	83	68	77	72	68	81	80	79	64	82	75	94	97	75	81	79	78	76	76	72	80	1,802	conveying machine
vehicle	19	19	15	20	16	12	15	13	22	11	13	19	19	12	15	16	7	12	7	7	10	11	16	326	vehicle
pressure vessel	3			1				1					1		1	2			2					11	pressure vessel
chemical facilities					1	1																		2	chemical facilities
welding equipment	1	1		1	1	1					1	1			2	1				1			1	12	welding equipment
kiln, caldron		1	1	1		1			1		1			1	1				1					9	kiln, caldron
electric equipment	2	1		1	2	2		2	1	1	2	2		2	1	1		1		1	3	1	1	27	electric equipment
human power machine, tools	35	28	50	43	29	37	23	36	41	40	34	27	28	31	31	30	28	30	32	31	26	44	37	771	human power machine, tools
tools	40	51	35	50	43	57	49	39	49	66	46	43	57	55	42	48	56	48	45	58	46	55	53	1,131	tools
other equipments, facilities	15	7	17	16	15	22	26	23	24	20	17	18	24	29	18	23	13	17	23	18	24	20	13	442	other equipments, facilities
temporary buildings, establishments	138	143	149	118	132	128	139	134	171	138	128	138	152	170	136	125	135	141	134	171	165	197	182	3,364	temporary buildings, establishments

hazards, harmful substances	5	9	3	3	3	2	6	2	4	5	8	11	8	13	10	8	6	12	7	10	5	12	8	160	hazards, harmful substances
materials	24	25	21	21	22	19	35	18	20	16	18	27	20	19	13	20	18	15	14	21	19	14	22	461	materials
load	46	35	34	33	28	28	28	30	27	19	29	18	27	28	16	25	26	28	17	19	27	32	22	622	load
natural environment	566	591	635	561	490	553	546	388	418	559	510	510	491	530	495	469	477	513	518	505	528	613	584	12,050	natural environment
other causal agent	63	57	41	46	60	72	61	221	132	74	47	52	46	48	42	50	55	40	36	54	43	37	45	1,422	other causal agent
no causal agent	21	19	27	26	24	25	17	26	14	24	30	36	31	18	15	21	26	22	15	30	38	45	55	605	no causal agent
unclassifiable	2	2	6	1	4	2	6	4	1	2	3	2		3	2	1				1	3	1		46	unclassifiable
total	1,139	1,153	1,195	1,071	1,044	1,115	1,094	1,101	1,070	1,121	1,034	1,049	1,069	1,129	1,017	992	1,009	1,021	1,022	1,093	1,099	1,239	1,209	25,085	total

Causal agents (small) of fatal and non-fatal accidents in livestock 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		1	2						2					1	1		1		10	engine
power transmission mechanism			5		12		10	11	11	9	11	8	9	8	12	5	11	3	16	12	9	8	13	183	power transmission mechanism
circular sawing machine			1		6		3	4	1	3	1	1	4	5		3	1	3	1	1	1	1	1	41	circular sawing machine
band sawing machine																			1					1	band sawing machine
wood planer machine									2															2	wood planer machine

cranes			3		1		1		1		1	1		1	1	1		1	1	6	7	6	32	cranes	
human power hauling equipment			26		15		12	18	24	25	17	16	17	18	19	11	17	21	20	18	11	19	13	337	human power hauling equipment
human power machine							2	1	1	1		2	1	1		2		2	1	1			15	human power machine	
hand tool			21		13		10	16	15	14	15	10	9	11	10	18	9	9	9	11	8	18	18	244	hand tool
ladder			24		26		23	27	25	34	25	25	35	32	28	28	36	34	24	39	27	33	33	558	ladder
slinging tool											1			1				1				1	4	slinging tool	
other tools			11		17		26	12	24	32	20	18	22	22	14	20	20	14	20	19	19	22	19	371	other tools
other equipment, facilities			17		15		26	23	24	20	17	18	24	29	18	23	13	17	23	18	24	20	13	382	other equipment, facilities
scaffolding			3		1		3	2	2	1	2	4	1	3	1				1	1	3	2	1	31	scaffolding
timbering																							1	1	timbering
stairs, landing stage			7		10		8	10	13	2	7	14	7	20	15	12	7	6	8	13	13	17	14	203	stairs, landing stage
opening			6		2		3	4	5	4	2	1	2	2	1	6	3	6	5	4	2	9	4	71	opening
roof, beam, haze, crossbeam, principal rafter			4		6		11	6	8	5	10	5	4	7	8	9	8	6	6	11	5	9	7	135	roof, beam, haze, crossbeam, principal rafter
working platform, boot board			21		18		23	16	21	13	14	12	22	10	20	21	23	19	16	19	15	20	17	340	working platform, boot board
passage			48		45		43	44	48	55	38	51	52	50	37	40	53	56	49	64	56	79	75	983	passage
building, establishment			36		33		29	28	45	34	29	31	42	40	27	21	29	28	31	37	42	29	32	623	building, establishment
other temporary buildings,			24		17		19	24	29	24	26	20	22	38	27	16	12	20	18	22	29	32	31	450	other temporary buildings,

establishments																									establishments
explosive substance																									explosive substance
inflammable substance			1			1							1	2			1	1	1					8	inflammable substance
inflammable gas														1										1	inflammable gas
harmful substance			1		1		1	1	3	2	1	3	4	4	4	3	6	5	1	6	3		2	51	harmful substance
radiation																									radiation
other hazards, harmful substances			1		2		4	1	1	3	7	8	4	8	3	5		6	5	3	2	12	6	81	other hazards, harmful substances
metal material			14		13		14	13	14	9	12	19	7	9	4	9	7	4	5	9	6	9	12	189	metal material
lumber, bamboo			5		3		9	2	2	4	1	1	6	2	3	2	3	2	5	2	6	5	4	67	lumber, bamboo
stone, sand, substance			1		2			1	1			1		1	1		1	2		1			1	13	stone, sand, substance
other materials			1		4		12	2	3	3	5	6	7	7	5	9	7	7	4	9	7		5	103	other materials
load			31		26		28	28	26	18	28	17	26	27	15	22	25	27	16	18	27	32	22	459	load
machine/equipment as load			3		2			2	1	1	1	1	1	1	1	3	1	1	1					21	machine/equipment as load
natural ground, rock			2		8		5	4	4	3	3	4	4	2		5	3	1	3	3	5	4	3	66	natural ground, rock
standing tree			2				3		2	1	4	1	1	1	6	5	3	2		2	2	4	3	42	standing tree
water					1		1		1		3		1			1	1		1	1	1			12	water
abnormal environment										2	1			1			3	2	1	1				11	abnormal environment
high/cold temperature			1				5	4	4	4		5	5	5	7	3	1	3	2	10	3	5	5	72	high/cold temperature

environment																									environment
other environments			630		481		532	380	407	549	499	500	480	521	482	455	466	505	511	488	517	600	573	9,576	other environments
other causal agent			41		60		61	221	132	74	47	52	46	48	42	50	55	40	36	54	43	37	45	1,184	other causal agent
no causal agent			27		24		17	26	14	24	30	36	31	18	15	21	26	22	15	30	38	45	55	514	no causal agent
unclassifiable			6		4		6	4	1	2	3	2		3	2	1				1	3	1		39	unclassifiable
total			1,195		1,044		1,094	1,101	1,070	1,121	1,034	1,049	1,069	1,129	1,017	992	1,009	1,021	1,022	1,093	1,099	1,239	1,209	20,607	total

Workers age of fatal and non-fatal accidents in livestock 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	55	45	53	40	28	29	23	31	18	18	11	25	8	32	19	18	25	19	22	16	15	28	17	595	19 years old or less
20-29	309	311	309	292	240	275	265	236	240	264	213	214	208	194	218	176	162	148	171	189	178	206	231	5,249	20-29
30-39	162	162	192	168	181	205	218	249	226	229	232	205	246	269	210	249	241	244	221	245	246	261	231	5,092	30-39
40-49	233	216	197	196	198	198	174	171	163	165	180	188	197	187	189	176	209	217	218	236	262	278	273	4,721	40-49
50-59	229	271	264	235	240	264	260	281	271	315	240	235	229	257	211	211	203	201	194	202	203	226	229	5,471	50-59
60 years old or more	151	148	180	140	157	144	154	133	152	130	158	182	181	190	170	162	169	192	196	205	195	240	228	3,957	60 years old or more
total	1,139	1,153	1,195	1,071	1,044	1,115	1,094	1,101	1,070	1,121	1,034	1,049	1,069	1,129	1,017	992	1,009	1,021	1,022	1,093	1,099	1,239	1,209	25,085	total

Workers' number of workplace of fatal and non-fatal accidents in livestock 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	379	395	415	335	375	376	350	359	337	326	346	342	366	341	339	347	340	329	346	322	352	375	371	8,163	9 workers or less
10-29	488	506	536	474	445	487	489	471	462	497	430	444	422	478	430	396	410	431	432	471	467	527	495	10,688	10-29

30-49	132	110	104	130	112	115	118	110	108	118	102	101	108	123	72	107	88	87	87	107	117	134	132	2,522	30-49
50-99	60	84	91	94	81	90	91	108	111	119	92	93	92	118	97	86	110	115	100	114	87	102	123	2,258	50-99
100-299	75	52	45	35	29	43	43	49	47	53	59	61	77	67	72	52	57	54	50	71	71	97	82	1,341	100-299
300 workers or more	5	6	4	3	2	4	3	4	5	8	5	8	4	2	7	4	4	5	7	8	5	4	6	113	300 workers or more
total	1,139	1,153	1,195	1,071	1,044	1,115	1,094	1,101	1,070	1,121	1,034	1,049	1,069	1,129	1,017	992	1,009	1,021	1,022	1,093	1,099	1,239	1,209	25,085	total

Month of fatal and non-fatal accidents in livestock 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	101	94	95	100	105	87	94	103	78	75	81	83	87	99	88	80	77	84	87	95	92	111	115	2,111	January
February	91	103	87	83	73	94	82	72	88	114	81	90	76	109	83	83	69	103	78	85	89	88	92	2,013	February
March	111	101	105	90	74	104	85	98	86	93	87	94	92	88	88	71	88	83	104	77	90	98	100	2,107	March
April	100	85	103	95	88	83	81	80	92	101	81	88	96	92	75	92	83	76	83	75	89	101	111	2,050	April
May	90	102	90	98	86	123	84	110	88	87	91	78	67	109	78	91	94	91	82	96	89	90	104	2,118	May
June	90	103	103	94	82	104	96	105	103	90	91	85	98	89	86	77	74	93	80	96	85	118	102	2,144	June
July	92	92	105	79	85	104	113	97	106	108	94	91	86	88	99	81	92	80	74	99	85	122	90	2,162	July
August	92	101	99	97	92	90	98	95	104	87	74	88	96	85	85	90	76	72	82	96	95	102	94	2,090	August
September	99	88	94	67	83	81	71	75	92	97	87	98	92	93	76	77	84	91	75	97	118	113	102	2,050	September
October	96	95	109	93	115	102	99	95	86	105	83	103	94	101	91	88	91	79	98	99	97	112	100	2,231	October
November	95	107	114	90	79	81	95	88	80	82	109	76	90	85	74	78	83	80	90	93	85	91	103	2,048	November
December	82	82	91	85	82	62	96	83	67	82	75	75	95	91	94	84	98	89	89	85	85	93	96	1,961	December
total	1,139	1,153	1,195	1,071	1,044	1,115	1,094	1,101	1,070	1,121	1,034	1,049	1,069	1,129	1,017	992	1,009	1,021	1,022	1,093	1,099	1,239	1,209	25,085	total

Prefecture of fatal and non-fatal accidents in livestock 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	316	274	333		253		223	259	253	252	240	261	243	241	223	230	222	252	238	267	260	308	276	5,424	Hokkaido
Aomori	33	32	35		30		30	24	16	23	21	18	22	19	24	19	13	15	18	16	21	27	20	476	Aomori
Iwate	45	55	43		30		23	37	44	28	34	22	48	54	42	40	42	30	33	51	65	65	61	892	Iwate
Miyagi	11	14	11		11		10	10	4	9	6	10	7	13	15	13	13	10	7	13	16	11	8	222	Miyagi
Akita	9	11	6		11		5	10	7	5	7	5	6	3	13	10	4	8	7	4	11	7	11	160	Akita
Yamagata	12	7	7		5		13	10	8	2	9	9	7	12	12	3	10	9	4	8	6	8	14	175	Yamagata
Fukushima	7	43	34		30		29	32	33	36	20	23	23	13	10	18	19	14	10	12	23	17	19	465	Fukushima
Ibaraki	170	168	181		134		162	153	130	149	117	129	115	141	124	114	150	115	116	130	134	141	137	2,910	Ibaraki
Tochigi	27	16	21		22		18	17	18	23	12	19	24	22	30	24	21	25	36	24	33	28	36	496	Tochigi
Gunma	15	17	23		10		25	23	13	23	21	19	26	15	21	16	13	21	22	30	25	35	32	445	Gunma
Saitama	13	14	13		6		8	6	10	5	14	17	10	9	13	19	14	14	12	8	6	11	9	231	Saitama
Chiba	14	27	32		38		51	43	38	49	46	38	53	54	30	24	22	32	16	27	20	25	19	698	Chiba
Tokyo	1	1			3				2			1	2		7	3		3	1				1	25	Tokyo
Kanagawa	3	1	3		6		9	6	6	13	15	13	9	11	8	12	9	9	7	10	16	11	22	199	Kanagawa
Niigata	15	25	14		13		15	13	27	20	17	20	13	14	15	21	12	15	15	23	19	33	24	383	Niigata
Toyama	7	1	4		3		4	2	2	3	3	2	2		2		1	2	4	3	2		1	48	Toyama
Ishikawa	8	14	13		11		4	6	10	8	12	12	9	6	8	11	4	9	6	6	7	6	5	175	Ishikawa
Fukui	1		3		1		2			2			1	2				1	1	1	1			16	Fukui
Yamanashi	1	3	1					1	1	3		2		2	1		1	2	1	1	2	2		24	Yamanashi
Nagano	5	2	4		3		6	4	3	4	10	6	10	7	6	6	8	3	6	5	4	7	2	111	Nagano
Gifu	12	7	17		13		1	4	9	7	12	6	8	7	8	11	9	13	10	12	11	9	15	201	Gifu
Shizuoka	14	4	1		10		4	7	7	11	9	5	11	15	9	10	16	10	10	13	10	11	18	205	Shizuoka

Aichi	13	11	11		16		15	14	14	11	15	17	25	6	9	12	12	15	20	17	21	23	16	313	Aichi
Mie	15	18	21		16		15	12	17	13	13	15	20	29	9	17	11	13	16	12	13	20	17	332	Mie
Shiga	96	118	96		85		99	97	103	102	83	84	74	112	89	95	103	90	109	92	90	98	98	2,013	Shiga
Kyoto	4	7	8		5		5	14	9	16	11	12	13	18	11	11	10	11	8	5	4	5	7	194	Kyoto
Osaka		1			2		3	1	1		2	4	1	3		1	1	1						21	Osaka
Hyogo	17	14	20		9		17	8	21	16	13	16	9	20	12	13	9	12	11	8	16	31	35	327	Hyogo
Nara	2	1	3		2			2	2	3	1	4	1	7	6	5	4	6	3	1	5	2		60	Nara
Wakayama		2	1		4		4	4	3	4	6	7	5	5	1	5	2	2	2	1	2		2	62	Wakayama
Tottori	9	10	3		3		3	3	4	5	2		3	6	3	7	7	3	2	5	10	5	8	101	Tottori
Shimane	8	9	9		11		8	4	6	8	10	6	6	6	2	8	12	11	5	6	11	8	11	165	Shimane
Okayama	12	24	19		24		14	11	15	21	16	12	16	14	21	11	15	10	20	21	18	22	27	363	Okayama
Hiroshima	20	19	10		18		25	20	15	20	16	20	23	25	21	15	18	15	10	20	19	18	21	388	Hiroshima
Yamaguchi	9	8	4		7		7	10	9	8	2	5	5	7	7	3	6	5	6	7	6	4	8	133	Yamaguchi
Tokushima	5	5	5		5		1	4	2	5	8	1	6	2	4	2		4	6	7	9	6	5	92	Tokushima
Kagawa	5	7	5		13		8	2	5	5	8	7	9	11	8	6	7	8	10	11	3	12	7	157	Kagawa
Ehime	5	9	11		8		14	7	4	2	6	11	7	9	6	3	5	5	9	8	5	8	7	149	Ehime
Kochi	2	2			1		5	1	2	2	1	3	6	1		2	4	7		2	3	6	2	52	Kochi
Fukuoka	14	10	12		17		12	14	17	8	16	14	9	14	14	15	9	20	8	13	10	9	24	279	Fukuoka
Saga	16	17	18		9		16	26	9	16	15	12	11	17	16	12	19	14	16	11	6	19	12	307	Saga
Nagasaki	7	7	4		9		6	11	6	11	3	9	9	6	6	7	6	8	10	7	9	10	11	162	Nagasaki
Kumamoto	23	23	18		17		24	25	28	29	24	20	20	24	17	23	24	21	12	31	25	32	31	491	Kumamoto
Oita	12	16	14		15		22	16	9	13	13	16	15	17	17	13	10	7	20	18	10	13	19	305	Oita
Miyazaki	40	24	39		40		50	53	52	47	59	44	56	39	35	36	31	52	51	51	40	43	32	914	Miyazaki
Kagoshima	63	52	60		61		69	70	60	72	61	68	60	66	65	60	71	63	80	66	65	72	75	1,379	Kagoshima

Okinawa	3	3	5		4		10	5	16	9	5	5	11	5	17	6	10	6	8	9	7	11	4	159	Okinawa
total	1,139	1,153	1,195		1,044		1,094	1,101	1,070	1,121	1,034	1,049	1,069	1,129	1,017	992	1,009	1,021	1,022	1,093	1,099	1,239	1,209	22,899	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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 Fatal accidents in livestock in Japan in 1999-2021

livestock industry Code No.0701

Type of fatal accidents in livestock 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	3	1	3	4	3	2	2	3	2	3	2	3	2	2	1	2		2	6	3	1	2	3	55	fall from height
falling to same level					1	1					1	1	1	1			1	1	1			1	2	12	falling to same level
crash									1		1													2	crash
struck by flying or falling object					2	1		1							1					1	1	1	1	9	struck by flying or falling object
collapse											2						1				1		1	5	collapse
crashed by	1	3			1		1	1	1	1		1			1	3	1	3	1		1	1	3	24	crashed by
caught in/between	1	1	3	1	1	6	1		3	3	1	4	3	2	2		2	2	4	1	1	1	2	45	caught in/between

cut																							1			1	cut		
injury to the sole of the foot																											injury to the sole of the foot		
drown	1									1																1		3	drown
contact to high/low-temperature	1							1		1		1															5	contact to high/low-temperature	
contact to harmful substance										1					1	1		1	1								5	contact to harmful substance	
electric shock											1															1	2	electric shock	
explosion																												explosion	
burst																												burst	
fire			1							1		1															3	fire	
traffic accident (public road)	1	1	1	1	1		1		1		1	1	2													1	2	15	traffic accident (public road)
traffic accident (others)																												traffic accident (others)	
reaction to motion/improper motion																												reaction to motion/improper motion	
others	1							1		1	1		1				1	1									7	others	
unclassifiable																												unclassifiable	
total	9	6	8	6	9	10	6	6	8	12	10	12	9	6	7	7	7	9	12	5	8	8			13	193	total		

Causal agents (large) of fatal accidents in livestock 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	2	7	1		2	3		3	3	3	2		1	1	3	1			3	37	machine
crane, conveying machine	3	2	5	1	3	1	2	1	3	2	4	4	2	1		2	2	4	3		2	5	2	54	crane, conveying machine
other equipment						1				2	1	1				1			2	1	1		1	11	other equipment
temporary buildings, establishments	1	1	2		2	1		2	2		1	1	1	1	1			1	2	3	1	1	1	25	temporary buildings, establishments
substance, material	1				1										1		1							4	substance, material
load											1							1				1	1	4	load
environment	3	3	1	4	1		2	3	1	4	2	3	3	1	2	4	2	2	2		3	1	5	52	environment
others							1			1	1				1		1				1			6	others
total	9	6	8	6	9	10	6	6	8	12	10	12	9	6	7	7	7	9	12	5	8	8	13	193	total

Causal agents (middle) of fatal accidents in livestock 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																										engine
power transmission mechanism									1				1		1					1			2	6	power transmission mechanism	
woodworking machine																										woodworking machine
construction machine	1				1	3			1	2		1		2				1	1				1	14	construction machine	

hazards, harmful substances	1														1	1								3	hazards, harmful substances
materials				1																				1	materials
load										1							1			1	1			4	load
natural environment	3	3	1	4	1		2	3	1	4	2	3	3	1	2	4	2	2	2		3	1	5	52	natural environment
other causal agent							1			1	1				1		1				1			6	other causal agent
no causal agent																									no causal agent
unclassifiable																									unclassifiable
total	9	6	8	6	9	10	6	6	8	12	10	12	9	6	7	7	7	9	12	5	8	8	13	193	total

Causal agents (small) of fatal accidents in livestock 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																										engine
power transmission mechanism									1				1		1					1			2	6	6	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

crane																										crane
mobile crane																										mobile crane
derrick crane																										derrick crane
elevator, lift	1																								1	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																										other powered crane
truck	1	2	3	1			1			1	1	2		1		1	1	2			1	2	1	21	truck	
forklift					2						2	1				1	1	1	2			2	1	13	forklift	
railway equipment																										railway equipment
conveyor			1				1		2		1							1			1	1		8	conveyor	
loader																										loader
straddle carrier																										straddle carrier
rough terrain hauler																										rough terrain hauler
other powered conveying machines	1		1			1		1									1							5	other powered conveying machines	
cars, bus, motorcycle					1				1	1		1	2											6	cars, bus, motorcycle	

Month of fatal accidents in livestock 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	2	1	1	2			1		1		2	1	1			17	January
February	2	1	1	1	1					2	1		1		1				1		1		1	14	February
March		1		3		1	2	1	1			1	2		1	1		1	2		1	1	2	21	March
April	1	1	3		1	2					1	1	1					1	1		2			15	April
May		1				1			1		1	2		2	1	1	2	1	1			1	3	18	May
June	1						1		1	1	2	1		1				1			1	1	1	12	June
July	2				1	1	1			2	2	2			1	1	2	1	1			1		18	July
August	1		2	1				2		3	1		1		1	2	1	1	1	1	1			19	August
September		2				2	1		1	1						1		2	1	1			1	13	September
October	1								1	1	1	1	1	3		1					1			11	October
November	1		2		4	2		1		1			2				1	1				1	1	17	November
December							1	1	1			2	1		1				2	2		3	4	18	December
total	9	6	8	6	9	10	6	6	8	12	10	12	9	6	7	7	7	9	12	5	8	8	13	193	total

Prefecture of fatal accidents in livestock 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	5	1		1	2	2	2		3	2	2	1		2		1		3	3	1	3	2	1	37	Hokkaido
Aomori								1	1						2		1		1			1		7	Aomori
Iwate				1	1					1		1	3						1					8	Iwate
Miyagi																1	1							2	Miyagi

Akita			1				1			1											3	Akita			
Yamagata	1		1							1												3	Yamagata		
Fukushima							1	1												1		3	Fukushima		
Ibaraki		1		4			1	1		1	1	1		1		2	1		2		1	1	18	Ibaraki	
Tochigi		1								1													2	Tochigi	
Gunma						2						2	1		1						1		7	Gunma	
Saitama											1									1	1		3	Saitama	
Chiba			1									1		1	1	1				1		1	7	Chiba	
Tokyo																								Tokyo	
Kanagawa							1																1	Kanagawa	
Niigata						1															1		2	Niigata	
Toyama						1						1											2	Toyama	
Ishikawa		1								1													2	Ishikawa	
Fukui										1													1	Fukui	
Yamanashi										1													1	Yamanashi	
Nagano										1			1										2	Nagano	
Gifu													1							1			2	4	Gifu
Shizuoka														1						1			1	3	Shizuoka
Aichi			1										1									1	3	Aichi	
Mie		1			1								1										3	Mie	
Shiga	1						1								1		1		1				5	Shiga	
Kyoto						1				1								1					3	Kyoto	
Osaka											1	1											2	Osaka	
Hyogo					1						1										1	1	4	Hyogo	

Nara																									Nara	
Wakayama																	1							1	Wakayama	
Tottori																				1				1	Tottori	
Shimane										1						1	1						1	4	Shimane	
Okayama	1				1	1							1											4	Okayama	
Hiroshima						1				1														2	Hiroshima	
Yamaguchi											1													1	Yamaguchi	
Tokushima			1																				1	1	3	Tokushima
Kagawa							1										1							2	Kagawa	
Ehime																								1	Ehime	
Kochi																								1	1	Kochi
Fukuoka																1			2						3	Fukuoka
Saga			1																						2	Saga
Nagasaki																								1	1	Nagasaki
Kumamoto		1			1			1		2	1	1				1							1	1	10	Kumamoto
Oita			1		1			1	1	1	1														6	Oita
Miyazaki			1													1							1	1	5	Miyazaki
Kagoshima	1				1	1																	1	1	7	Kagoshima
Okinawa																1									1	Okinawa
total	9	6	8	6	9	10	6	6	8	12	10	12	9	6	7	7	7	9	12	5	8	8	13	193	total	

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

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