meat/dairy products industry Code No.010101

Type of accidents in meat/dairy products 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	67	65	61	67	71	83	61	82	66	80	66	76	76	64	59	75	57	68	69	75	69	78	85	1,620	fall from height
falling to same level	199	189	213	201	208	215	198	230	215	252	232	245	259	252	244	240	252	252	260	266	279	299	280	5,480	falling to same level
crash	36	32	30	28	54	29	33	46	39	51	49	44	29	22	45	39	41	50	37	41	50	55	46	926	crash
struck by flying or falling object	54	57	55	52	51	49	51	48	54	45	34	52	55	43	53	51	43	45	46	41	46	43	42	1,110	struck by flying or falling object
collapse	10	13	15	13	25	10	14	15	12	10	15	11	12	13	10	13	12	19	17	13	13	15	14	314	collapse
crashed by	33	34	34	35	36	30	32	23	34	27	40	28	30	32	29	34	32	26	20	38	33	28	42	730	crashed by
caught in/between	245	231	218	224	236	225	208	195	197	182	187	199	185	158	164	164	183	162	163	179	177	150	153	4,385	caught in/between
cut	299	289	267	219	258	217	261	234	217	243	241	219	209	214	193	177	197	150	181	177	186	158	148	4,954	cut
injury to the sole of the foot	1	1	1	1		1		1	3			1		1			1		1		2			15	injury to the sole of the foot
drown	1												5											6	drown
contact to high/low- temperature	38	36	26	28	30	32	34	43	31	30	30	31	25	28	36	34	38	36	38	47	32	33	40	776	contact to high/low- temperature
																									contact to

contact to harmful substance	7	5	7	9	13	4	7	8	9	12	3	12	6	9	12	9	10	10	7	7	10	9	10	195	harmful substance
electric shock	2	1	2	1				1					1	2	1			1						12	electric shock
explosion					1																			1	explosion
burst	2			1	1							1						1	1					7	burst
fire		2	2					1					1	1			2							9	fire
traffic accident (public road)	13	23	15	8	10	17	21	7	10	12	11	17	17	6	14	11	11	3	10	10	11	3	6	266	traffic accident (public road)
traffic accident (others)	2	1									1		1											5	traffic accident (others)
reaction to motion/improper motion	65	61	44	58	77	65	67	69	77	68	82	77	76	96	80	88	91	78	90	94	94	93	117	1,807	reaction to motion/improper motion
others	13	9	5	5	8	5	5	6	8	5	7	5	9	3	4	19	7	5	7	7	3	32	148	325	others
unclassifiable	3	1	1	2	3	1	2	1	1	2	2		2	1				1	1	1	2		1	28	unclassifiable
total	1,090	1,050	996	952	1,082	983	994	1,010	973	1,019	1,000	1,018	998	945	944	954	977	907	948	996	1,007	996	1,132	22,971	total

Causal agents (large) of fatal and non-fatal accidents in meat/dairy products 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	298	312	273	269	284	251	274	226	221	240	224	206	224	201	189	171	210	179	194	211	209	184	157	5,207	machine
crane, conveying	100	103	97	83	117	95	88	84	88	75	91	92	83	72	77	76	63	50	66	71	72	74	71		crane, conveying

																									machine
other equipment	289	259	252	229	268	257	266	273	274	284	274	290	251	260	252	265	255	255	253	272	263	272	265	6,078	other
other equipment	209	239	232	229	200	237	200	2/3	2/4	204	2/4	290	231	200	232	203	233	233	233	2/2	203	2/2	203	0,078	equipment
temporary buildings,																									temporary
establishments	203	193	208	213	226	223	209	246	231	276	244	250	247	236	242	238	272	247	254	261	272	274	286	5,551	buildings,
establishments																									establishments
substance, material	44	46	35	35	42	31	34	47	36	33	35	46	40	35	49	37	44	43	31	27	36	33	39	878	substance,
substance, material	44	40	55	55	42		34	47	30	33	33	40	40		43	5,		43	J 1	27	50	33	39	070	material
load	65	66	63	69	86	56	57	65	57	52	58	67	78	70	63	73	57	62	65	66	70	50	69	1,484	load
environment	31	25	26	23	14	29	21	21	21	14	26	21	34	26	31	25	22	23	21	33	18	25	30	560	environment
others	60	46	42	31	45	41	45	48	45	45	48	46	41	45	41	69	54	48	64	55	67	84	215	1,325	others
total	1,090	1,050	996	952	1,082	983	994	1,010	973	1,019	1,000	1,018	998	945	944	954	977	907	948	996	1,007	996	1,132	22,971	total

Causal agents (middle) of fatal and non-fatal accidents in meat/dairy products 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		11	engine
power transmission mechanism	9	10	3	7	7	6	10	3	8	8	5	6	6	7	6	5	5	5	2	11	2	6	5	142	power transmission mechanism
woodworking machine	1	2	3	1	3	3	2	1	1	3	1		1		2		1			1	1			27	woodworking machine
construction machine	1	1		2		1		1		1	3	1									2	1		14	construction machine

metal manufacturing	18	4	5	5	2	1	4	2	2	1	2	1		1		2				4	1	3		58	metal manufacturing machine
general machine	269	294	262	254	272	239	257	219	210	227	212	198	217	193	181	163	204	174	190	193	201	173	152	4,954	general machine
mobile silviculture machine																					1			1	mobile silviculture machine
crane	5	11	3	2	7	2	4	6	1	2	4	4	6	3	2	3	4	1	2	4	3	1	2	82	crane
conveying machine	85	75	76	77	100	78	66	73	74	60	75	72	59	66	63	70	49	43	56	54	60	68	61	1,560	conveying machine
vehicle	10	17	18	4	10	15	18	5	13	13	12	16	18	3	12	3	10	6	8	13	9	5	8	246	vehicle
pressure vessel	3	2	3	2	2	2	2	2	2	1	3			1	2	1	2	1	1	1				33	pressure vessel
chemical facilities			2	1		1				1		1					1							7	chemical facilities
welding equipment												1												1	welding equipment
kiln, caldron	2	1	1	2	2	2	1	5	3	1	1	3	1	3	4	2	1	1	3	3	3	2	2	49	kiln, caldron
electric equipment	2	2	2			8	2	3	1	1	1		1	2		2	4	1	2	2	2		2	40	electric equipment
human power machine, tools	191	174	173	147	174	149	169	164	165	165	175	169	154	157	150	146	158	121	128	144	149	153	133	3,608	human power
tools	63	55	53	51	66	65	58	73	70	75	71	77	69	64	68	77	58	93	88	80	80	84	97	1,635	tools
other equipments,	28	25	18	26	24	30	34	26	33	40	23	39	26	33	28	37	31	38	31	42	29	33	31	705	other equipments,

																									facilities
temporary buildings, establishments	203	193	208	213	226	223	209	246	231	276	244	250	247	236	242	238	272	247	254	261	272	274	286	5,551	temporary buildings, establishments
hazards, harmful substances	9	13	11	12	17	13	9	17	10	15	6	16	13	12	18	14	16	19	8	9	10	10	13	290	hazards, harmful substances
materials	35	33	24	23	25	18	25	30	26	18	29	30	27	23	31	23	28	24	23	18	26	23	26	588	materials
load	65	66	63	69	86	56	57	65	57	52	58	67	78	70	63	73	57	62	65	66	70	50	69	1,484	load
natural environment	31	25	26	23	14	29	21	21	21	14	26	21	34	26	31	25	22	23	21	33	18	25	30	560	natural environment
other causal agent	25	19	24	11	17	19	19	18	20	16	16	14	12	10	10	29	17	16	21	18	18	44	159	572	other causal agent
no causal agent	32	25	15	19	26	18	23	29	23	28	30	31	26	32	30	39	36	29	42	35	48	40	55	711	no causal agent
unclassifiable	3	2	3	1	2	4	3	1	2	1	2	1	3	3	1	1	1	3	1	2	1		1	42	unclassifiable
total	1,090	1,050	996	952	1,082	983	994	1,010	973	1,019	1,000	1,018	998	945	944	954	977	907	948	996	1,007	996	1,132	22,971	total

Causal agents (small) of fatal and non-fatal accidents in meat/dairy products 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		9	engine
power transmission			2		7		10	3	8	8	5	6	6	7	6	5	5	5	2	11	2	6	5	110	power transmission
mechanism																									mechanism
circular sawing																									circular sawing

machine		1	3	2	1	1				1		1		1			11	machine
band sawing machine		2					2	1			1						6	band sawing machine
wood planer machine															1		1	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											1						1	other woodworking machines
leveling, transporting or loading machine					1			3	1						2	1	8	leveling, transporting or loading machine
excavating machine																		excavating machine
foundation work machine																		foundation work machine
hardening machine																		hardening machine
demolition machine																		demolition machine
vehicle for high lift work																		vehicle for high lift work

other construction machines							1														1	other construction
lathe																						lathe
drill press, milling machine		1		1																	2	drill press, milling machine
grinding machine, buffing machine				1	1			1					1				2		1		7	grinding machine, buffing machine
power press						1															1	power press
forging pressure																		1			1	forging pressure
shearing machine																						shearing machine
other metal manufacturing machines		4	2	2	1	1	1	1	1		1		1				2		2		19	other metal manufacturing machines
centrifugal machine					1															1	2	centrifugal machine
mixer, grinder		7	2	4	4	1	2	3	3	2	2	4	7	5		5	4	2	6	1	64	mixer, grinder
roll machine (except printingroll machine)				2			2	2	5	5		2	1	5	1	3	1	5			34	roll machine (except printingroll machine)
injection molding machine			1					1													2	injection molding
food manufacturing machine		211	202	192	162	163	182	163	145	156	151	132	124	153	131	137	140	136	120	109	2,909	food manufacturing machine
printing machine				1		1				1											3	printing machine
industrial robot			2									1	1			1			1		6	industrial robot

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44	65	58	52	45	41	43	45	53	40	42	30	41	42	44	48	58	46	41	878	other general power machines
																1			1	felling machine
																				mobile logging machine
																				skyline yarding machine
																				other mobile silviculture machine
	1	1			1	1	1		2					2	1	2			12	crane
	1	1	2																4	mobile crane
																				derrick crane
1	2	1	2	1	1	2	2	4		1	3	4	1		2	1	1	2	31	elevator, lift
																				cargo lifting appliance
																				gondola
																				lumberyard equipment, logging cableway
																				simple skyline yarding equipment
2	3	1	2			1	1	2	1	1					1				15	other powered crane
22	19	20	20	21	10	21	20	15	20	15	27	16	14	16	21	20	24	19	360	truck

forklift		27	35	10	20	19	17	23	12	14	15	19	20	17	13	14	16	12	14	15	332	forklift
railway equipment		I																1			2	railway equipment
conveyor		25	40	36	29	31	31	27	32	24	25	26	23	16	15	23	15	26	26	25	495	conveyor
loader										1						1			1		3	loader
straddle carrier																						straddle carrier
rough terrain hauler																						rough terrain hauler
other powered conveying machines		l	6		4	3	2	4	8	5	6	3			1	2	2	1	3	2	53	other powered conveying machines
cars, bus, motorcycle		18	9	17	5	13	13	12	16	18	3	12	3	10	5	8	13	9	4	8	196	cars, bus, motorcycle
railway vehicle																						railway vehicle
other vehicles			1	1											1				1		4	other vehicles
boiler			1					1							1						3	boiler
pressure vessel	3	3	1	1	1	2		2			1	2	1	2		1	1				18	pressure vessel
other pressure vessels				1	1		1														3	other pressure vessels
chemical facilities		2					1		1					1							5	chemical facilities
gas welding equipment																						gas welding equipment
arc welding equipment																						arc welding equipment
other welding equipment									1												1	other welding equipment
kiln, caldron		I	2	1	4	3	1		3		2	2	2	1	1	3	2	2	1	2	33	kiln, caldron

industrial dryer																						industrial dryer
other kiln, caldron					1			1		1	1	2					1	1	1		9	other kiln, caldron
transmission		1			1	1	1				1			2	1	1	2	2		2	15	transmission
electric power													1	1							2	electric power facilities
other electrical equipment		1		2	2			1		1	1		1	1		1					11	other electrical equipment
human power cranes					2			1						1			1	4	10	4	23	human power cranes
human power		46	41	36	38	37	51	52	43	44	43	49	47	51	46	43	52	49	60	49	877	human power hauling equipment
human power machine					1	3	2	1			1	1				1	1	2		1	14	human power
hand tool		127	133	133	123	125	112	121	126	110	113	100	99	106	75	84	90	94	83	79	2,033	hand tool
ladder		20	23	19	35	15	26	25	33	25	23	22	29	24	33	27	21	20	19	30	469	ladder
slinging tool					1	1					1	1		1	1						6	slinging tool
other tools		33	43	39	37	54	49	46	44	44	40	45	48	33	59	61	59	60	65	67	926	other tools
other equipment,		18	24	34	26	33	40	23	39	26	33	28	37	31	38	31	42	29	33	31	596	other equipment,
scaffolding		1	1	2			1	1			1			1	1			1			10	scaffolding
timbering																						timbering
stairs, landing stage		25	22	31	35	27	29	30	24	38	27	31	30	37	29	24	40	34	34	30	577	stairs, landing stage
opening		3			1	2	2	2		1	3	1	1	1	2	1	1	3	3	2	29	opening
roof, beam, haze,																						roof, beam, haze,

crossbeam,	1		2		4	2	2	4	2	4	1	1	2	2	1					2		30	crossbeam,
principal rafter																							principal rafter
working platform, boot board	47	7	53	}	36	43	52	47	47	39	40	41	32	49	62	48	51	34	46	49	47	863	working platform, boot board
passage	94	4	10	7	96	119	97	138	128	131	126	126	141	123	131	109	133	155	144	138	158	2,394	passage
building, establishment	24	4	25	j	26	29	34	38	19	29	27	22	19	22	26	37	31	13	22	20	19	482	building, establishment
other temporary buildings, establishments	1:	3	16	,	14	17	17	17	15	23	14	15	16	11	13	21	14	18	22	28	30	334	other temporary buildings, establishments
explosive substance	1					1							1	1		1						5	explosive substance
inflammable substance			1								1				1							3	inflammable substance
inflammable gas	1					1					1				1							4	inflammable gas
harmful substance	3		9		3	3	7	8	1	7	1	5	8	3	7	8	3	4	6	5	4	95	harmful substance
radiation																							radiation
other hazards, harmful substances	6		7		6	12	3	7	5	9	10	7	9	10	7	10	5	5	4	5	9	136	other hazards, harmful substances
metal material	2		9		6	5	10	7	9	9	8	8	5	5	9	5	5	7	7	5	7	128	metal material
lumber, bamboo	4		2		4		3	1		2	2	2	3	1	1		2	1	5	1	1	35	lumber, bamboo
stone, sand, substance	1					1				1		1							1			5	stone, sand, substance
other materials	1	7	14	l .	15	24	13	10	20	18	17	12	23	17	18	19	16	10	13	17	18	311	other materials
load	60	0	82		57	63	56	46	55	66	77	69	61	70	52	60	63	65	65	50	66	1,183	load
machine/equipment																							machine/equipment

as load		3	4		2	1	6	3	1	1	1	2	3	5	2	2	1	5		3	45	as load
natural ground, rock			2			1		1									2				6	natural ground, rock
standing tree										2			1								3	standing tree
water		1	2	1	3	4			1	8		2					2	1	1	1	27	water
abnormal environment												2									2	abnormal environment
high/cold temperature environment		3	4	5	5	4	4	5	8	4	4	6	7	6	4	9	12	5	11	9	115	high/cold temperature environment
other environments		22	6	15	13	12	10	20	12	20	22	21	17	16	19	12	17	12	13	20	299	other environments
other causal agent		24	17	19	18	20	16	16	14	12	10	10	29	17	16	21	18	18	44	159	498	other causal agent
no causal agent		15	26	23	29	23	28	30	31	26	32	30	39	36	29	42	35	48	40	55	617	no causal agent
unclassifiable		3	2	3	1	2	1	2	1	3	3	1	1	1	3	1	2	1		1	32	unclassifiable
total		996	1,082	994	1,010	973	1,019	1,000	1,018	998	945	944	954	977	907	948	996	1,007	996	1,132	18,896	total

Workers age of fatal and non-fatal accidents in meat/dairy products 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	28	29	24	31	32	25	36	24	16	19	25	24	21	13	25	16	13	14	12	18	22	21	14	502	19 years old or
15 years old of less	20		24		J2	23		24			23			13	23				12					302	less
20-29	183	154	184	167	171	151	153	145	144	148	144	159	150	128	134	112	130	111	131	143	143	144	201	3,430	20-29
30-39	147	146	138	142	176	153	148	163	168	152	172	171	162	158	175	152	153	134	136	141	144	139	153	3,523	30-39
40-49	251	257	224	191	209	201	213	207	180	177	183	192	172	169	188	199	197	175	187	202	197	185	218	4,574	40-49

50-59	363	347	316	304	363	336	348	337	321	337	300	294	292	294	251	279	267	245	243	224	254	229	270	6,814	50-59
60 years old or	118	117	110	117	131	117	96	134	144	186	176	178	201	183	171	196	217	228	239	268	247	278	276	4,128	60 years old or
more	110	117	110	117	131			134	177	100	170	176	201	103	171	190	217	220	239	200	247	276	270	7,120	more
total	1,090	1,050	996	952	1,082	983	994	1,010	973	1,019	1,000	1,018	998	945	944	954	977	907	948	996	1,007	996	1,132	22,971	total

Workers' number of workplace of fatal and non-fatal accidents in meat/dairy products 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	94	100	75	81	87	92	71	67	60	62	46	53	57	49	35	36	40	41	52	36	41	44	34	1,353	9 workers or less
10-29	187	201	187	180	200	156	182	154	133	146	177	140	155	117	121	123	123	95	129	143	124	97	118	3,388	10-29
30-49	186	167	163	157	177	135	156	171	145	176	137	139	134	124	142	135	148	106	112	105	105	97	122	3,239	30-49
50-99	213	189	186	177	206	206	177	205	211	204	211	197	194	187	199	195	204	193	193	215	222	260	263	4,707	50-99
100-299	320	313	278	279	304	301	290	289	305	336	279	348	314	336	315	337	312	332	335	337	355	345	448	7,408	100-299
300 workers or	90	80	107	78	108	93	118	124	119	05	150	141	144	132	132	128	150	140	127	160	160	153	147	2,876	300 workers or
more		00	107	/6	100			124	119	95	130	171	1	132	132	120	130	140	127			133	177	2,070	more
total	1,090	1,050	996	952	1,082	983	994	1,010	973	1,019	1,000	1,018	998	945	944	954	977	907	948	996	1,007	996	1,132	22,971	total

Month of fatal and non-fatal accidents in meat/dairy products 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	81	66	91	79	81	84	91	65	64	81	86	68	75	69	81	80	83	80	79	94	83	69	81	1,811	January
February	78	85	84	78	85	61	65	82	72	92	81	93	76	83	80	84	71	79	74	82	79	91	71	1,826	February
March	88	95	84	74	66	92	91	94	73	89	79	94	84	83	80	73	86	69	76	88	73	69	86	1,886	March
April	104	70	93	78	107	97	93	86	77	69	90	76	68	74	78	69	79	95	62	84	70	74	129	1,922	April

May	90	98	96	80	106	74	84	82	77	92	68	72	98	76	72	76	84	67	76	88	87	88	86	1,917	May
June	93	93	75	76	77	98	80	75	88	91	91	92	77	66	71	71	91	80	89	62	90	93	79	1,898	June
July	102	115	87	78	97	94	90	92	74	99	99	92	100	83	80	78	80	76	70	92	98	94	99	2,069	July
August	96	83	77	87	89	92	77	96	94	87	94	86	79	90	78	82	73	75	93	69	83	77	146	2,003	August
September	100	93	64	85	94	70	86	89	85	80	79	71	76	80	68	76	79	74	90	89	76	63	97	1,864	September
October	96	82	76	92	103	80	73	83	88	88	87	96	94	84	92	78	87	71	79	89	94	109	90	2,011	October
November	70	85	85	72	77	74	78	78	96	77	71	93	74	78	88	92	81	71	96	72	89	81	79	1,857	November
December	92	85	84	73	100	67	86	88	85	74	75	85	97	79	76	95	83	70	64	87	85	88	89	1,907	December
total	1,090	1,050	996	952	1,082	983	994	1,010	973	1,019	1,000	1,018	998	945	944	954	977	907	948	996	1,007	996	1,132	22,971	total

Prefecture of fatal and non-fatal accidents in meat/dairy products 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	65	82	69		71		73	82	72	80	71	68	58	60	83	62	67	68	73	78	64	59	78	1,483	Hokkaido
Aomori	15	21	20		23		18	14	24	21	17	17	20	20	21	22	17	20	27	24	15	17	18	411	Aomori
lwate	46	49	48		41		33	46	40	31	36	41	38	23	24	25	33	29	29	34	25	25	27	723	lwate
Miyagi	33	17	18		14		23	28	19	31	32	21	20	19	21	14	21	9	7	16	25	14	18	420	Miyagi
Akita	4	2	2		6		5	6	4	2	4	4	3	7	6	7	4	3	8	5	4	9	3	98	Akita
Yamagata	11	15	16		18		7	21	17	10	16	14	15	23	13	12	13	16	13	16	15	15	17	313	Yamagata
Fukushima	14	12	18		11		11	11	10	11	10	12	7	13	7	10	3	8	13	11	9	10	47	258	Fukushima
Ibaraki	37	36	29		47		63	52	43	49	46	53	57	46	32	44	51	45	48	43	58	51	45	975	lbaraki
Tochigi	17	19	13		14		11	9	9	8	10	15	7	16	11	15	15	14	16	11	13	7	13	263	Tochigi
Gunma	53	41	27		36		26	29	38	37	39	24	25	28	25	32	28	38	35	27	26	33	21	668	Gunma
Saitama	38	28	46		63		42	41	37	57	43	50	43	53	51	63	54	52	50	46	53	64	84	1,058	Saitama

Chiba	42	41	24	39	36	37	55	28	27	36	47	37	35	35	44	28	40	57	40	32	53	813	Chiba
Tokyo	18	22	15	19	19	27	10	15	18	19	19	16	19	11	22	9	15	22	10	13	19	357	Tokyo
Kanagawa	33	22	16	29	34	36	29	37	36	41	38	36	33	42	33	30	23	28	41	42	53	712	Kanagawa
Niigata	23	17	24	33	24	24	21	31	35	22	23	19	23	26	23	19	29	31	21	38	22	528	Niigata
Toyama	9	4	7	9	5	10	11	7	2	4	8	9	6	8	3	8	5	2	2	1	3	123	Toyama
Ishikawa	5	10	12	7	8	7	6	11	6	9	8	7	3	7	3	5	9	2	8	4	8	145	Ishikawa
Fukui	1	3	3	7	2	4	2	4	4	2	4	3	1	4	2	4	3	4	9	3	5	74	Fukui
Yamanashi	3	6	2	4	1	5	5	2	7	5	4	6	8	6	6	7	9	5	11	5	4	111	Yamanashi
Nagano	12	16	9	10	12	23	9	10	21	11	9	10	9	10	15	21	6	14	16	18	18	279	Nagano
Gifu	29	19	23	12	14	9	10	12	11	13	12	8	6	15	16	9	12	10	18	22	19	299	Gifu
Shizuoka	26	28	23	32	29	25	17	27	27	24	23	21	34	26	26	32	34	31	28	19	14	546	Shizuoka
Aichi	33	32	33	31	41	31	28	41	23	41	50	33	34	29	47	34	45	34	30	37	31	738	Aichi
Mie	13	23	14	21	11	15	19	9	25	12	15	12	16	18	8	17	12	17	19	12	7	315	Mie
Shiga	2	4	10	6		4	1	3	5	4	4	1	3	2	1	2	1	1	5	5	1	65	Shiga
Kyoto	10	11	13	14	16	9	18	9	9	10	13	15	9	4	10	10	13	9	11	14	11	238	Kyoto
Osaka	28	26	27	44	25	26	35	47	38	33	37	26	17	29	37	29	35	42	38	35	42	696	Osaka
Hyogo	35	34	28	29	28	37	45	52	40	30	29	37	38	40	39	37	37	51	50	44	35	795	Hyogo
Nara	2		2	1	1			1	2	1		1	1	1	1	1	1	6	1	3	2	28	Nara
Wakayama	10	7	2	5	4	4	9	5	6	5	2	4	1	1	5	2	3				4	79	Wakayama
Tottori	7	9	5	6	5	5	7	11	6	11	4	4	7	8	11	9	6	4	5	5	11	146	Tottori
Shimane	4	6	3	3	2		2	2	1	1	3	1		2	1	1		2	1	1	1	37	Shimane
Okayama	16	11	13	20	15	9	20	14	20	14	10	8	18	18	20	13	11	10	18	47	73	398	Okayama
Hiroshima	27	15	20	18	29	20	19	17	19	20	19	25	22	20	18	18	18	17	16	18	20	415	Hiroshima

Yamaguchi	10	10	14	19	19	9	10	19	17	20	12	18	17	19	15	11	14	19	13	14	12	311	Yamaguchi
Tokushima	23	23	17	20	23	18	15	19	17	18	14	16	17	8	20	17	14	13	15	19	23	369	Tokushima
Kagawa	12	17	13	18	10	12	9	7	6	8	19	10	8	10	7	5	7	5	8	4	6	201	Kagawa
Ehime	16	19	20	17	12	13	11	8	20	9	20	21	24	15	25	11	15	9	7	19	10	321	Ehime
Kochi	7	5	3		5	3	4	9	2	5	1	1	2	4	3	8	4	1	7	5	3	82	Kochi
Fukuoka	38	48	44	41	23	43	39	40	36	44	36	23	29	36	28	32	28	36	30	33	50	757	Fukuoka
Saga	24	19	24	23	27	22	24	23	12	11	20	14	26	21	20	27	23	22	26	19	12	439	Saga
Nagasaki	26	17	21	13	18	18	10	16	25	33	17	28	13	32	22	19	20	23	17	12	12	412	Nagasaki
Kumamoto	51	28	34	45	39	44	32	27	26	29	41	30	42	27	34	27	28	43	39	35	28	729	Kumamoto
Oita	11	4	14	8	6	9	6	2	6	5	4	3	5	4	2	3	4	3	5	1	4	109	Oita
Miyazaki	57	77	58	45	46	39	42	53	49	85	77	47	52	41	35	41	32	37	52	39	65	1,069	Miyazaki
Kagoshima	74	77	87	77	84	63	62	56	56	54	51	71	60	56	59	49	61	64	64	56	66	1,347	Kagoshima
Okinawa	20	18	13	13	9	11	18	8	16	10	12	16	12	13	10	10	12	11	19	18	14	283	Okinawa
total	1,090	1,050	996	1,082	994	1,010	973	1,019	1,000	1,018	998	945	944	954	977	907	948	996	1,007	996	1,132	21,036	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)

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

Fatal accidents in meat/dairy products in Japan 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									1							1	1	1	1			7	fall from height
falling to same level				1																		1		2	falling to same
crash								1																1	crash
struck by flying or falling object						1																		1	struck by flying or falling object
collapse							1											1						2	collapse
crashed by							1	3			1				1									6	crashed by
caught in/between	1	1		2		1	1	1		1	1	1	1					1	1		1			14	caught in/between
cut					1			1			1			1										4	cut
injury to the sole of the foot																									injury to the sole
drown													5											5	drown
contact to high/low- temperature							1							1										2	contact to high/low- temperature
contact to harmful substance																									contact to harmful substance
electric shock														1										1	electric shock

explosion					1																	1	explosion
burst																							burst
fire		1												1								2	fire
traffic accident (public road)			1			1		1	1	3	1		1			3						12	traffic accident (public road)
traffic accident (others)																							traffic accident (others)
reaction to motion/improper motion																							reaction to motion/improper motion
others							1						3							2		6	others
unclassifiable																							unclassifiable
total	1	4	1	3	2	3	5	7	1	4	5	1	10	4	1	3	3	2	1	4	1	66	total

Causal agents (large) of fatal accidents in meat/dairy products 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	2		1	1			1							1			2	1		13	machine
crane, conveying machine		1	1	1		2	1	2	1	4	2	1	2	1		3			1					23	crane, conveying machine
other equipment		1				1	1	1			1			2				1						8	other equipment
																									temporary

temporary buildings,								1						1				1				3	buildings,
establishments																							establishments
substance, material		1																				1	substance,
Substance, material		<u> </u>																				ľ	material
load															1		1					2	load
environment							1	2			1		8						1			13	environment
others							1													2		3	others
total	1	4	1	3	2	3	5	7	1	4	5	1	10	4	1	3	3	2	1	4	1	66	total

Causal agents (middle) of fatal accidents in meat/dairy products 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							power transmission mechanism
woodworking machine					1																			1	woodworking machine
construction machine				1				1													1	1		4	construction machine
metal manufacturing machine																									metal manufacturing machine
																									general

general machine	1	1		1	1		1				1							1		7	machine
mobile silviculture machine																					mobile silviculture machine
crane													1	1			1				crane
conveying machine		1	1	1		2	1	2		2	1	1	1		2					15	conveying machine
vehicle									1	2	1				1					5	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						1						3	human power
tools		1														1				2	tools
other equipments, facilities						1					1			1						3	other equipments, facilities
temporary buildings, establishments								1						1			1			3	temporary buildings, establishments

																							hazards,
hazards, harmful substances		1																				1	harmful
																							substances
materials																							materials
load															1		1					2	load
natural environment							1	2			1		8						1			13	natural
																							environment
																							other causal
other causal agent																							agent
																							no causal
no causal agent							l													2		3	agent
unclassifiable																							unclassifiable
total	1	4	1	3	2	3	5	7	1	4	5	1	10	4	1	3	3	2	1	4	1	66	total

Causal agents (small) of fatal accidents in meat/dairy products 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	power transmission mechanism
circular sawing machine					1																			1	circular sawing
band sawing machine																									band sawing machine

wood planer machine														wood planer
														machine
hollow chisel mortiser,														hollow chisel
wood borer														mortiser, wood
Wood Borel														borer
chamfering machine,														chamfering
router, woodworking														machine, router,
milling machine														woodworking
mining machine														milling machine
chain saw														chain saw
other woodworking														other woodworking
machines														machines
loveling transporting or														leveling,
leveling, transporting or		1		1							1	1	4	transporting or
loading machine														loading machine
excavating machine														excavating machine
foundation work														foundation work
machine														machine
hardening machine														hardening machine
demolition machine														demolition machine
vehicle for high lift work														vehicle for high lift
Vermeie for might me work														work
other construction														other construction
machines														machines
lathe														lathe

drill press, milling																	drill press, milling
machine																	machine
grinding machine,																	grinding machine,
buffing machine																	buffing machine
power press																	power press
forging pressure																	forging pressure
hammer																	hammer
shearing machine																	shearing machine
other metal																	other metal
manufacturing machines																	manufacturing
manadetaring macrimes																	machines
centrifugal machine																	centrifugal machine
mixer, grinder																	mixer, grinder
roll machine (except																	roll machine (except
printingroll machine)																	printingroll
printingroli macmile)																	machine)
injection molding																	injection molding
machine																	machine
food manufacturing				1				1						1		3	food manufacturing
machine																	machine
printing machine																	printing machine
industrial robot																	industrial robot
other general power	1																other general
machines		1														4	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			2	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,																	lumberyard equipment, logging cableway
simple skyline yarding equipment																	simple skyline yarding equipment
other powered crane																	other powered crane
truck	1	1		1		1	1	1	1		2					9	truck
forklift			1	1	1	1	1									5	forklift
railway equipment																	railway equipment
conveyor																	conveyor

loader															loader
straddle carrier															straddle carrier
rough terrain hauler															rough terrain hauler
other powered								1						1	other powered
conveying machines								I						<u> </u>	conveying machines
cars, bus, motorcycle					1	2				1				4	cars, bus,
cars, sus, motorcycle														<u> </u>	motorcycle
railway vehicle															railway vehicle
other vehicles							1							1	other vehicles
boiler															boiler
pressure vessel															pressure vessel
ather processes vessels															other pressure
other pressure vessels															vessels
chemical facilities															chemical facilities
gas welding equipment															gas welding
gas weiding equipment															equipment
arc welding equipment															arc welding
and managed and process															equipment
other welding															other welding
equipment															equipment
kiln, caldron															kiln, caldron
industrial dryer															industrial dryer
other kiln, caldron															other kiln, caldron
transmission															transmission

electric power facilities															electric power
															facilities
other electrical															other electrical
equipment															equipment
human nower cranes															human power
human power cranes															cranes
human power hauling															human power
equipment				I											hauling equipment
h															human power
human power machine															machine
hand tool					1				1					2	hand tool
ladder	1										1			2	ladder
slinging tool															slinging tool
other tools															other tools
other equipment,							_								other equipment,
facilities			Į				I		1					3	facilities
scaffolding															scaffolding
timbering															timbering
stairs, landing stage															stairs, landing stage
opening															opening
roof, beam, haze,															roof, beam, haze,
crossbeam, principal															crossbeam,
rafter															principal rafter
working platform, boot															working platform,
board															boot board

P	 	 	 $\overline{}$	 	 	 	 		 				 	 	
passage															passage
building, establishment				1			1				1			3	building, establishment
other temporary															other temporary
buildings,															buildings,
establishments															establishments
explosive substance															explosive substance
inflammable substance	1													1	inflammable
innammable substance															substance
inflammable gas															inflammable gas
harmful substance															harmful substance
radiation															radiation
other hazards, harmful															other hazards,
substances															harmful substances
metal material															metal material
lumber, bamboo															lumber, bamboo
stone, sand, substance															stone, sand, substance
other materials															other materials
load								1		1				2	load
machine/equipment as															machine/equipment
load															as load
natural ground, rock												1		1	natural ground,

standing tree																							standing tree
water													8									8	water
abnormal environment																							abnormal environment
high/cold temperature environment							1															1	high/cold temperature environment
other environments								2			1											3	other environments
other causal agent																							other causal agent
no causal agent							1													2		3	no causal agent
unclassifiable																							unclassifiable
total	1	4	1	3	2	3	5	7	1	4	5	1	10	4	1	3	3	2	1	4	1	66	total

Workers age of fatal accidents in meat/dairy products 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				1				1																2	19 years old or less
20-29		1		1		1	3		1		1	1		1							1			11	20-29
30-39								3		1			1						1					6	30-39
40-49		1					1	1			1		4	1		1					2			12	40-49
50-59			1		2	1		1		1	3		3	2		1		2	1	1		1		20	50-59
60 years old or more	1	2		1		1	1	1		2			2		1	1		1			1			15	60 years old or more
total	1	4	1	3	2	3	5	7	1	4	5	1	10	4	1	3		3	2	1	4	1		66	total

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	1	1		3								1						9	9 workers or less
10-29			1					1			1		4	1		2					1	1		12	10-29
30-49	1						1	1			1		5	1		1								11	30-49
50-99						1	1	2	1					1					2		1			9	50-99
100-299		2		3	2	1	1	1			3	1	1		1			2		1	1			20	100-299
300 workers or more							1	1		1				1							1			5	300 workers or more
total	1	4	1	3	2	3	5	7	1	4	5	1	10	4	1	3		3	2	1	4	1		66	total

Month of fatal accidents in meat/dairy products in 1999-2021

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
						1				1							1						3	January
	1			1	1	1		1									1						6	February
									1	1		8								2			12	March
	1				1	1	2			1													6	April
					1	1					1				1						1		5	May
													1	1									2	June
	1			1						2		1						1					6	July
							2		2				1		1			1					7	August
1	1		1				1					1	1						1	2			9	Septembei
		1	1																				2	October
																								1 1 1 1 1 1 6 1 1 1 1 8 2 12 1 1 1 1 1 6 1 1 1 1 1 1 5 1 1 1 1 1 1 6 1 1 1 1 1 1 6 2 2 2 1 1 1 1 2 9 1 1 1 1 1 1 1 2 9

November				1			1			1				1								4	November
December								2								1	1					4	December
total	1	4	1	3	2	3	5	7	1	4	5	1	10	4	1	3	3	2	1	4	1	66	total

Prefecture of fatal accidents in meat/dairy products 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					2	1						2										6	Hokkaido
Aomori																1								1	Aomori
lwate								1					3											4	lwate
Miyagi										2			5											7	Miyagi
Akita																						1		1	Akita
Yamagata									1															1	Yamagata
Fukushima																1		1			1			3	Fukushima
Ibaraki				1			1																	2	lbaraki
Tochigi											1													1	Tochigi
Gunma								1			1								1					3	Gunma
Saitama	1										1	1	1											4	Saitama
Chiba		1				1																		2	Chiba
Tokyo														1				1						2	Tokyo
Kanagawa						1		1					1					1						4	Kanagawa
Niigata						1																		1	Niigata
Toyama																									Toyama
Ishikawa																									Ishikawa

				 -			-			=	 		 -				 	
Fukui											1						1	Fukui
Yamanashi																1	1	Yamanashi
Nagano																		Nagano
Gifu								1									1	Gifu
Shizuoka																		Shizuoka
Aichi	1					1						1					3	Aichi
Mie								1									1	Mie
Shiga																		Shiga
Kyoto			1														1	Kyoto
Osaka									1					1			2	Osaka
Hyogo						1											1	Hyogo
Nara																		Nara
Wakayama																		Wakayama
Tottori															1		1	Tottori
Shimane																		Shimane
Okayama																		Okayama
Hiroshima																		Hiroshima
Yamaguchi					1												1	Yamaguch
Tokushima																1	1	Tokushima
Kagawa																		Kagawa
Ehime		1															1	Ehime
Kochi																		Kochi
Fukuoka																		Fukuoka

Saga					1																	1	Saga
Nagasaki					1																	1	Nagasaki
Kumamoto								1			1									1		3	Kumamoto
Oita																1						1	Oita
Miyazaki				1			1															2	Miyazaki
Kagoshima		1																				1	Kagoshima
Okinawa																							Okinawa
total	1	4	1	3	2	3	5	7	1	4	5	1	10	4	1	3	3	2	1	4	1	66	total

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

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