

Fatal and non-fatal accidents in leather products in Japan in 1999-2022

leather products industry Code No.010807

Type of accidents in leather products 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	9	10	8	10	4	11	10	4	4	4	4	2	9	6	6	2	1	2	7	7	2	4	3	3	132
falling to same level	21	11	13	10	12	19	11	13	12	16	11	7	4	7	9	9	9	4	10	5	6	7	5	6	237
crash	9	3	2	6	3	2	4	1	1	3	3	1		2	1	4		2	2	3	2	1	1		56
struck by flying or falling object	6	3	3	1	7	1	2	2		5	2		2		2		1			2	3	1	3	1	47
collapse		3	1		1	1	1				1				1										9
crashed by	6	2	1	5	1	2	3	3		1	1		2	1	3	2	2	1	1		1				38
caught in/between	45	39	42	34	37	28	27	30	30	27	14	17	15	22	22	18	15	20	13	15	15	10	12	10	557
cut	16	13	9	15	12	13	8	10	2	5	6	5	2	5	6	4	7	2	3	3	7	4	1	4	162
injury to the sole of the foot																									
drown			1																						1
contact to high/low-	4		5			2	2	1	2		2		1	1	1	1					3			1	26

temperature																									
contact to harmful substance	1	1	2		1			1	2	1	1				1			1	3	1		1			17
electric shock		1																				1			2
explosion			1																						1
burst																									
fire		1						1								1									3
traffic accident (public road)		5	1		2	2	2		1				3	1						3					20
traffic accident (others)										1															1
reaction to motion/improper motion	15	12	10	7	16	4	3	8	3	4	3	8	5	3	2	3	3	5	1		3	4	1	3	126
others	2	1	1	1						1													1		7
unclassifiable									1																1
total	134	105	100	89	96	85	73	74	58	68	48	40	43	48	54	43	39	37	40	39	42	32	28	28	1,443

Causal agents (large) of fatal and non-fatal accidents in leather products 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	54	47	48	38	45	35	28	33	24	29	21	19	18	23	25	24	22	20	12	16	19	14	14	12	640

crane, conveying machine	9	13	9	5	6	6	7	3	7	5	1	3	5	6	2	1	2	2	6	6	3	2		1	110
other equipment	20	13	15	18	7	19	14	16	8	11	8	3	6	6	9	4	5	4	6	7	7	2	8	5	221
temporary buildings, establishments	22	17	13	15	14	15	15	12	12	10	9	8	9	5	7	10	5	5	7	6	7	9	3	6	241
substance, material	9	4	4	5	7	3		6	3	3	6	2	1	2	3	1	2	1	6	1	3			1	73
load	12	4	6	5	7	4	2	2	2	3	1	1	3	3	1	1	1	1		1		2		1	63
environment	2		1				2			1					3	1	1		2	1	1				15
others	6	7	4	3	10	3	5	2	2	6	2	4	1	3	4	1	1	4	1	1	2	3	3	2	80
total	134	105	100	89	96	85	73	74	58	68	48	40	43	48	54	43	39	37	40	39	42	32	28	28	1,443

Causal agents (middle) of fatal and non-fatal accidents in leather products in 1999-2022

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	2022	total
engine		1																							1
power transmission mechanism	2	2	2	1	1			2	1	1		1			2								1		16
woodworking machine	1			1				2			2											1			7

demolition machine																									
vehicle for high lift work																									
other construction machines																									
lathe																									
drill press, milling machine										1														1	
grinding machine, buffing machine			1		1			1					1			1	1		1						7
power press			2		1		1			1		2	1	1	1	1			2	2					15
forging pressure hammer																									
shearing machine			1		1		1	1		1	1			1		1									8
other metal manufacturing machines													1		1										2
centrifugal machine					1																				1
mixer, grinder							1					1			1			1				1			5
roll machine (except printingroll machine)			7		8		4	3	4	4	2	7	2	3	2	4	6	4	3	3	2		2	3	73

pressure vessel																								
other pressure vessels										1														1
chemical facilities																								
gas welding equipment																								
arc welding equipment																								
other welding equipment																								
kiln, caldron			1																					1
industrial dryer				1	1							1						1						4
other kiln, caldron																								
transmission																								
electric power facilities																								
other electrical equipment																						1		1
human power cranes			1																			1		2
human power hauling equipment			1			2	2	2	3	1		2	1	1	1		1	1				1	2	21

human power															1		1		1	1					4
machine																									
hand tool			4		3		4	5	1	1	1	1		2	2	1		1		1	2	1		2	32
ladder			1				1	2			2		1		2		1	2	4	3	1	1	1	1	23
slinging tool															1										1
other tools			4		1		4	4	1	4	2	1	1	1	2	1	3			2	1		4		36
other equipment, facilities			3		2		1	3	4	3	1	1	2	1	1						2				24
scaffolding																									
timbering																									
stairs, landing stage			3		4		4	1	3	3	1	3	3			2	1		3	1	2	2		2	38
opening			1																						1
roof, beam, haze, crossbeam, principal rafter														1											1
working platform, boot board			2		4			3	1	3		1	4	2	3			1			1		2	2	29
passage			5		4		9	7	7	4	5	4	1	2	2	3	2	3	3	3	3	5	1	2	75
building, establishment			1		1		1				3				2	2	1			2	1	2			16
other temporary buildings,			1		1		1	1	1				1			3	1	1	1						12

environment																											
high/cold temperature environment							1								1					1	1						4
other environments			1				1				1				2	1	1		1								8
other causal agent			1		3		2							1	2		1	2						1			13
no causal agent			3		7		3	2	2	5	2	4	1	2	2	1		2	1	1	2	3	2	2	2	2	47
unclassifiable											1																1
total	134	105	100	89	96	85	73	74	58	68	48	40	43	48	54	43	39	37	40	39	42	32	28	28	1,443		

Workers age of fatal and non-fatal accidents in leather products 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	4	1	3	2		2	2	2		1		1			1			1	1				1	1	23
20-29	12	10	10	9	15	10	9	12	11	12	10	5	7	7	9	3	5	4	5	5	1	5	2	3	181
30-39	18	11	11	14	18	10	9	15	8	12	11	4	5	10	5	12	5	13	7	6	10	3	6	3	226
40-49	35	25	14	24	14	9	10	11	13	12	9	8	7	10	11	5	8	6	7	12	12	6	5	5	278
50-59	46	40	26	23	25	28	22	18	14	17	9	8	7	14	13	10	7	7	5	6	11	10	7	10	383
60 years old or more	19	18	36	17	24	26	21	16	12	14	9	14	17	7	15	13	14	6	15	10	8	8	7	6	352
total	134	105	100	89	96	85	73	74	58	68	48	40	43	48	54	43	39	37	40	39	42	32	28	28	1,443

Workers' number of workplace of fatal and non-fatal accidents in leather products 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	49	39	42	35	49	34	28	34	22	16	22	12	17	20	19	15	15	6	17	13	14	9	7	10	544
10-29	45	34	30	28	28	30	20	18	12	25	13	16	17	10	17	12	13	11	11	11	14	7	4	3	429
30-49	12	10	15	6	10	10	9	5	5	9	3	3	2	10	7	5	3	6	4	6	4	6	1	6	157
50-99	16	11	8	11	7	9	10	6	10	7	6	4	3	4	8	8	7	8	3	7	7	8	7	4	179
100-299	10	5	5	9	1	2	6	11	8	11	4	3	3	4	3	3	1	4	4	2	3	2	7	4	115
300 workers or more	2	6			1				1			2	1					2	1				2	1	19
total	134	105	100	89	96	85	73	74	58	68	48	40	43	48	54	43	39	37	40	39	42	32	28	28	1,443

Month of fatal and non-fatal accidents in leather products 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	13	8	8	5	7	6	10	7	6	7	5	4	4	7	5	4	5	3	7	3	5	4	4	1	138
February	17	11	9	10	8	15	11	6	4	10	2	3	3	1	1	3	2	6	2		3	3	3		133
March	17	6	5	8	8	9	4	8	6	5	5	1	2	6	7	1	5		3	3	3	3	2	2	119
April	15	5	9	7	8	7	3	6	3	9	11	2	3	1	8	3	1	3	3	2	5	2	2	5	123
May	10	12	10	4	7	3	7	6	4	7	3	2	3	8	2	5	1	2	2	6	2	2	2	1	111
June	14	12	9	6	10	9	4	5	8	3	9	3	5	3	6	4	2	5	1	4	3	6	3	5	139

Shimane			1					1																2	
Okayama		1							1	1	1								1					5	
Hiroshima	1	1	1										1								1	2	7		
Yamaguchi							1								1	1		1					1	5	
Tokushima							1		1	3	2	2	1			1	1		2				1	1	16
Kagawa	1	1	1		2		1	1	1	2											1				11
Ehime																									
Kochi																									
Fukuoka	1	1	1						1		1								1						6
Saga			1						2		1		2			2				1					9
Nagasaki																									
Kumamoto														1						1				1	3
Oita																									
Miyazaki							1																		1
Kagoshima			1				1			1					1		1		1	1	1		1		9
Okinawa																									
total	134	105	100	89	96	85	73	74	58	68	48	40	43	48	54	43	39	37	40	39	42	32	28	28	1,443

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		1																					1
electric shock																							
explosion																							
burst																							
fire																							
traffic accident (public road)																							
traffic accident (others)																							
reaction to motion/improper motion																							
others	1																						1
unclassifiable																							
total	1	1	1		1	1																	5

Causal agents (large) of fatal accidents in leather products in 1999-2022

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

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

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