

Fatal and non-fatal accidents in over/under wear in Japan in 1999-2021

over/under wear industry Code No.010301

Type of accidents in over/under wear 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	23	18	14	19	21	13	17	17	13	11	17	10	9	14	7	8	9	7	11	7	15	5	9	294	fall from height
falling to same level	56	36	49	41	45	46	36	34	41	41	37	38	31	47	51	36	29	27	28	34	34	19	39	875	falling to same level
crash	6	4	7	2	3	7	7	4	3	4	7	4	4	3	2	2	1	2	5	3	2	5	4	91	crash
struck by flying or falling object	4	4	5	3	2	3	4	5	3	2	3	3	1	5	1	1	4	3	1	4	3		1	65	struck by flying or falling object
collapse	3				2	2	2	1				2				1				1			2	16	collapse
crashed by	6	4		5	1	1	3		2	1		2	1	1	1	1	1			1	2	2	2	37	crashed by
caught in/between	50	36	20	33	24	19	10	18	21	12	13	15	12	10	12	11	7	8	10	10	9	12	10	382	caught in/between
cut	35	26	27	22	24	16	17	14	11	14	15	7	8	6	13	8	9	5	13	7	8	6	4	315	cut
injury to the sole of the foot						1												1						2	injury to the sole of the foot
drown													2											2	drown
contact to high/low-temperature	5	6	6	4	6	3	2	2	3	4	3	5	1	4	6	1	2	1	1	1	1		3	70	contact to high/low-temperature

machine			1																				1	machine	
food manufacturing machine												1												1	food manufacturing machine
printing machine															1									1	printing machine
industrial robot			1																					1	industrial robot
other general power machines			36	47	24	28	24	24	23	22	12	16	21	21	16	8	14	14	15	16	15		396	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									2				1							4	crane	
mobile crane																									mobile crane
derrick crane																									derrick crane
elevator, lift				1		2	2								1				1		2		9	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	1	4	2		3	2	1		1	1	1			1	1	2		2	23	truck	
forklift				2					1		1								1			5	forklift	
railway equipment																							railway equipment	
conveyor			2	1		1	2		2	1		1	2									12	conveyor	
loader																							loader	
straddle carrier																							straddle carrier	
rough terrain hauler																							rough terrain hauler	
other powered conveying machines										1		1										2	other powered conveying machines	
cars, bus, motorcycle			7	4	7	2	10	4	2	1	2	7	1	1	4			2	1		1	56	cars, bus, motorcycle	
railway vehicle																							railway vehicle	
other vehicles										1									1			2	other vehicles	
boiler								3		1								1				5	boiler	
pressure vessel			1							1												2	pressure vessel	
other pressure vessels								1														1	other pressure vessels	
chemical facilities																							chemical facilities	
gas welding																							gas welding	

facilities			7		2		6	2	6	4	5	6	2	2	2	5	3	3	5	2	5	1	5	73	facilities	
scaffolding															1			1						2	scaffolding	
timbering						1																		1	timbering	
stairs, landing stage			6		13		9	5	10	7	11	3	4	9	3	3	6		3	6	6	4	1	109	stairs, landing stage	
opening			1								1	1							1					4	opening	
roof, beam, haze, crossbeam, principal rafter												1												2	roof, beam, haze, crossbeam, principal rafter	
working platform, boot board			4		8		2	1	1	2	1	3	3	4		3	4	3	1	1	5	1	2	49	working platform, boot board	
passage			23		23		20	24	23	21	18	21	17	23	17	18	15	14	19	22	17	13	22	370	passage	
building, establishment			2		4		4	3	1	2	3	2	3	3	3	4	3	2	3	1	2		2	47	building, establishment	
other temporary buildings, establishments			2		3		2	3	3	4	1		2	2	3	2		3	3	1	2		5	41	other temporary buildings, establishments	
explosive substance																										explosive substance
inflammable substance			1																					1	inflammable substance	
inflammable gas																										inflammable gas
harmful substance			2		1			1						1											5	harmful substance
radiation																										radiation
other hazards, harmful substances							1																		3	other hazards, harmful substances

metal material				2		2	1	1				1	1				1		1	1		1	12	metal material	
lumber, bamboo						1																	1	lumber, bamboo	
stone, sand, substance																								stone, sand, substance	
other materials			3		3		2				3	3	4	1			3		1		2	2	27	other materials	
load			7		8		4	5	4	4	7	2	1	3	5	2	3	1	2	1	4	3	2	68	load
machine/equipment as load							1				1	2			1		1						6	machine/equipment as load	
natural ground, rock																								natural ground, rock	
standing tree							1																1	standing tree	
water			1							1			2										4	water	
abnormal environment																								abnormal environment	
high/cold temperature environment			1				1							1	1								4	high/cold temperature environment	
other environments			7		3		2	3	1	4	1	1	1	3	10	4				4			2	46	other environments
other causal agent			4				3	2	1		1	1		3	4			2	1	2	2	79	1	106	other causal agent
no causal agent			3		5		2	4	5	7	4	4	2	5	8	7	4	3	4	5	3	1	1	77	no causal agent
unclassifiable					1		1		2														4	unclassifiable	
total			151		144		113	109	119	100	106	95	72	105	102	81	71	62	73	76	78	131	80	1,868	total

Workers age of fatal and non-fatal accidents in over/under wear 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	5	2	1	5	2	2	1		2	2		2		1	2	2	3	2			2	3		39	19 years old or less
20-29	26	16	13	17	19	13	4	13	12	9	7	10	10	9	5	5	7	2	7	7	3	31	6	251	20-29
30-39	29	24	18	23	22	22	17	13	12	15	14	15	6	6	9	8	7	5	9	4	8	35	9	330	30-39
40-49	64	48	39	37	29	22	22	16	18	17	10	22	13	20	16	14	11	11	7	6	11	17	7	477	40-49
50-59	77	62	55	51	56	56	54	50	56	37	49	28	22	44	39	23	23	16	23	30	26	19	20	916	50-59
60 years old or more	16	17	25	18	16	12	15	17	19	20	26	18	21	25	31	29	20	26	27	29	28	26	38	519	60 years old or more
total	217	169	151	151	144	127	113	109	119	100	106	95	72	105	102	81	71	62	73	76	78	131	80	2,532	total

Workers' number of workplace of fatal and non-fatal accidents in over/under wear 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	25	20	22	18	18	24	22	28	15	12	17	14	11	8	8	9	10	7	6	8	7	9	10	328	9 workers or less
10-29	45	38	32	42	28	27	22	26	29	27	19	23	16	31	22	23	17	16	23	15	15	15	13	564	10-29
30-49	37	32	30	28	20	19	14	8	24	14	12	21	13	16	14	11	13	10	12	14	16	10	12	400	30-49
50-99	51	40	24	25	30	31	29	22	17	21	26	21	18	22	27	24	17	16	20	17	19	6	21	544	50-99
100-299	51	34	34	32	41	24	26	20	31	21	24	15	11	21	23	12	11	11	10	19	16	85	19	591	100-299
300 workers or more	8	5	9	6	7	2		5	3	5	8	1	3	7	8	2	3	2	2	3	5	6	5	105	300 workers or more
total	217	169	151	151	144	127	113	109	119	100	106	95	72	105	102	81	71	62	73	76	78	131	80	2,532	total

Month of fatal and non-fatal accidents in over/under wear 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	12	14	14	18	13	25	12	13	9	8	6	11	10	10	14	7	7	6	4	15	10	4	9	251	January
February	26	20	9	6	9	11	16	9	5	9	8	6	4	9	13	14	6	8	11	8	7	9	7	230	February
March	25	12	13	18	12	7	12	11	14	6	6	9	7	8	9	7	7	5	5	4	9	5	9	220	March
April	24	10	14	16	19	11	6	6	8	7	9	11	8	5	11	6	6	7	7	4	5	6	8	214	April
May	15	17	10	11	14	10	8	9	10	6	16	7	3	8	7	5	4	4	3	7	2	4	8	188	May
June	13	8	7	8	12	9	4	10	11	9	10	7	4	10	6	8	6	6	7	8	6	4	3	176	June
July	20	19	15	12	9	9	7	8	8	10	14	4	5	10	8	5	7	5	7	3	6	2	6	199	July
August	10	20	14	9	16	8	11	4	16	4	6	8	6	2	5	3	4	4	8	4	7	4	8	181	August
September	24	11	13	15	11	13	7	12	8	12	7	4	5	9	3	5	8	2	3	6	10	3	5	196	September
October	16	13	12	12	11	12	12	7	8	10	6	11	4	16	8	9	5	5	8	7	3	3	6	204	October
November	14	14	18	13	9	6	9	11	10	8	8	9	9	6	5	4	3	6	4	6	6	6	2	186	November
December	18	11	12	13	9	6	9	9	12	11	10	8	7	12	13	8	8	4	6	4	7	81	9	287	December
total	217	169	151	151	144	127	113	109	119	100	106	95	72	105	102	81	71	62	73	76	78	131	80	2,532	total

Prefecture of fatal and non-fatal accidents in over/under wear 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	6	5	8		2		3	4	2	1	4	2	2		1	3	2		5			2		52	Hokkaido
Aomori	3	4	2		2		3	1	4	4	1	2	2	3	8	3	1	2	3	6	2	2	5	63	Aomori
Iwate	1	5	4		5		1	1	7	1	5	3	3	8	4	4	2	5	3	1	3	1	5	72	Iwate

Miyagi	8	6	7		1		4	6	3	2	2	2	3	2	1	1	2	1		2		2	3	58	Miyagi
Akita	13	12	14		11		5	5	15	7	7	9	5	8	6	7	5	3	4	11	10	1	4	162	Akita
Yamagata	14	7	6		5		8	4	7	7	3	2		3	9	5	2	3	2	6	3	3	2	101	Yamagata
Fukushima	12	9	6		11		9	6	6	8	7	6	6	9	7	5	4	2	5	3	7	2	3	133	Fukushima
Ibaraki	2	1			5			1		1	2				4	1				1				18	Ibaraki
Tochigi	2	1	2						1		1			2				1	3	1	1		1	16	Tochigi
Gunma	2	1	2		4			5			1			1	1	1	3			1	1			23	Gunma
Saitama	1	5	2		5		4	1	3	1	7	2	1	4	1	2	2		1	2	4	1	2	51	Saitama
Chiba	3	4	1		2				1	2	2	3	1	1	4		1	2	2	1	1	1	1	33	Chiba
Tokyo	1	2	1		4		1	2	1	3	1				2	1							2	21	Tokyo
Kanagawa	2							1	1	1	1	2	2										1	11	Kanagawa
Niigata	2	6	4		7		2	2	3	3	6	7	2	10	2	4	2	4	3	3		2	4	78	Niigata
Toyama	2	1			2		1		1	1	1				1	1	1	2	1			1	2	18	Toyama
Ishikawa	1	2	6		1		2	3	3	1	3	2	3		4	3		1	1		1	2		39	Ishikawa
Fukui		1	4		2		1	2	3	2	4	2	2	3	2		1	2		2	3	2		38	Fukui
Yamanashi		3	2		1			1									1							8	Yamanashi
Nagano	3	1	2		2			2		1	3		2	3	2	1	2			2	1	1	1	29	Nagano
Gifu	3	6	9		4		7	3	3	2	7	4	4	3	3	2		2	2	2		3	1	70	Gifu
Shizuoka	5	4	3					2	1					2			2	1			1	2	2	25	Shizuoka
Aichi	3	1	2		1		2	2	1	2	4	2			2	4		1				1	1	29	Aichi
Mie	3	4	2		1		2		1			1		2	1									17	Mie
Shiga	1		2				1	2	3				2		4								1	16	Shiga
Kyoto	2	1	1		3		2	4	4	1	1	1				2	1	1		1	3			28	Kyoto

Osaka	12	8	5		3		5	7	8	6		4	2	3	4	1	2	2	1	2	2	2	1	80	Osaka
Hyogo	7	3	5		3		5	1	3	3	1	1	2	2		2	2	1		3	3	2	1	50	Hyogo
Nara	4	1			1			2	2	2		1	2		2		2		5	2	2	1	1	30	Nara
Wakayama	3	1	2		2		1	2	1	3		1	1		2		3			1		1	3	27	Wakayama
Tottori	3	4	3		2				2	1	3	2	1	3	1		1	1	2		1	2		32	Tottori
Shimane	9	3	4		3		9	1	1	2	3	5		1		1	4		1		3		1	51	Shimane
Okayama	7	5	4		9		2	5	7	5	6	4	3	6	6	3	6	4	7	6	7	86	11	199	Okayama
Hiroshima	13	8	8		3		6	5	5	4		6	3	2	3	2		3	5	2	9		4	91	Hiroshima
Yamaguchi	1	7	3				3	4		1	1			3		1	1			1	1		1	28	Yamaguchi
Tokushima	9	1	3		2		3	1		1	1			2	1		1	2	1					28	Tokushima
Kagawa	7	4	3		2			2	1		1		2		1	2	2	1	1	1		1		31	Kagawa
Ehime	7	1	4		3		2	1	2	2		1	1	2	2	1			3				1	33	Ehime
Kochi	5	2			3		2	1		2		1		1		1	1		1	1				21	Kochi
Fukuoka	9	4	4		4		4	4	4	2	5	3		1	2	2	3	1	2	1	1		1	57	Fukuoka
Saga	2	2	1		6		4	4	3	1	1	2	5	7	1		1		2	1	2	1		46	Saga
Nagasaki	4	6	3		4		3	2	2	9	1	4	1		1	1	3	2		2		1	2	51	Nagasaki
Kumamoto	4	4	3					3	1	2	1	1		5	2	2	1	3	2	4	1	2	3	44	Kumamoto
Oita	1	1			3		1	1					2	1		2		1		1				14	Oita
Miyazaki	11	8	1		7		5	2	3	2	5	6	6	2	7	4	1	7	2	3	3	1	7	93	Miyazaki
Kagoshima	4	4	1		2			1		1	4	1			2	3	2	1	2	1	1	2	2	34	Kagoshima
Okinawa			2		1								1						1					5	Okinawa
total	217	169	151		144		113	109	119	100	106	95	72	105	102	81	71	62	73	76	78	131	80	2,254	total

no causal agent																									no causal agent	
unclassifiable																									unclassifiable	
total	2												2					1							5	total

Workers age of fatal accidents in over/under wear 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																										19 years old or less
20-29	1																								1	20-29
30-39	1																								1	30-39
40-49																	1								1	40-49
50-59																										50-59
60 years old or more													2												2	60 years old or more
total	2												2				1								5	total

Workers' number of workplace of fatal accidents in over/under wear 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																										9 workers or less
10-29																	1								1	10-29
30-49																										30-49
50-99	1												2												3	50-99

100-299	1																						1	100-299	
300 workers or more																								300 workers or more	
total	2											2					1							5	total

Month of fatal accidents in over/under wear 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																	1								1	February
March													2												2	March
April	1																								1	April
May																										May
June																										June
July																										July
August																										August
September	1																								1	September
October																										October
November																										November
December																										December
total	2												2				1								5	total

Prefecture of fatal accidents in over/under wear in 1999-2021

Miyazaki																									Miyazaki	
Kagoshima																										Kagoshima
Okinawa																										Okinawa
total	2											2				1								5	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