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

watch products industry Code No.011304

Type of accidents in watch 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		2		4		3	1	1	2	1			2	1						1			1		19
falling to same	4	2	1	4	1	4	3	2	1	2	2	5	1	3	2	2	4	3		1	3	2	2	3	57
crash	1		1	2		2			2					1				1			1				11
struck by flying or falling object	1	2	1		1	2	2	2		1		1			1	1				1				2	18
collapse			1																						1
crashed by		1	1		1	1				1	2							1							8
caught in/between	8	7	3	3	6		1	4	2	3	2	2		4	3	1	2	1	2	1	1		1	2	59
cut	3	2	1		1		2		2				1			2	1	1		1				1	18
injury to the sole of the foot																		1							1
drown																									
contact to																									
high/low-		1						1					1		1	1								1	6

temperature																									
contact to harmful													1			1									2
substance													•												
electric shock									1		1														2
explosion																									
burst																						1			1
fire		1																							1
traffic accident					1		1					1							1						4
(public road)							1												1						
traffic accident																									
(others)																									
reaction to																									
motion/improper	2	1	1	1	1	1		1	1		1		1	2	1	2				1		1		2	20
motion																									
others								1								1							2		4
unclassifiable																									
total	19	19	10	14	12	13	10	12	11	8	8	9	7	11	8	11	7	8	3	6	5	4	6	11	232

Causal agents (large) of fatal and non-fatal accidents in watch 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	9	8	4	4	7	3	3	5	4	3	3	2		2	2	1	1	2	2	2	1		1	3	72

crane, conveying	1	2		1	1		1	1				1		1					1						10
other equipment	2	2	1	1	1	1	1	2	2	1	2	1		1	4	1	3			1				1	28
temporary buildings, establishments	5	2	1	8	1	6	3	2	3	3	3	4	3	6		1	2	6		1	2	2	3	2	69
substance, material	2	1	3			2	1		1	1		1	3		1	4						1		2	23
load		4			1				1							1				1				2	10
environment													1			2	1							1	5
others			1		1	1	1	2						1	1	1				1	2	1	2		15
total	19	19	10	14	12	13	10	12	11	8	8	9	7	11	8	11	7	8	3	6	5	4	6	11	232

Causal agents (middle) of fatal and non-fatal accidents in watch 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																									
power																									
transmission			1																						1
mechanism																									
woodworking									1																1
machine																									1

construction																							
machine																							
metal																							
manufacturing	8	5	1	3	5	1	2		1	1	2	1	2	1		1	1	2	2	1			40
machine																							
general machine	1	3	2	1	2	2	1	5	2	2	1	1		1	1		1				1	3	30
mobile silviculture																							
machine																							
crane	1	2																					3
conveying								1															
machine																							2
vehicle					1		1					1	1					1					5
pressure vessel																							
chemical facilities																							
welding																							
equipment																							
kiln, caldron		1																					1
electric equipment									1		1												2
human power												_											
machine, tools	1		I							1		1		2	1	3							12
tools		1		1		1		1	1					1					1			1	8

other equipments,	1				1			1			1				1										5
facilities	•				•			•			•				•										
temporary																									
buildings,	5	2	1	8	1	6	3	2	3	3	3	4	3	6		1	2	6		1	2	2	3	2	69
establishments																									
hazards, harmful		1											1		1	1						1			5
substances		1											1		1	ı						<u> </u>)
materials	2		3			2	1		1	1		1	2			3								2	18
load		4			1				1							1				1				2	10
natural													1			2	1							1	5
environment																2	•							•	
other causal agent					1	1	1																2		5
no causal agent			1					2						1	1	1				1	2	1			10
unclassifiable																									
total	19	19	10	14	12	13	10	12	11	8	8	9	7	11	8	11	7	8	3	6	5	4	6	11	232

Causal agents (small) of fatal and non-fatal accidents in watch products in 1999-2022

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	2022	total
engine																									
power transmission			1																						1
mechanism			•																						

circular sawing												
machine												
band sawing												
machine												
wood planer												
machine												
hollow chisel												
mortiser, wood												
borer												
chamfering												
machine, router,				1								1
woodworking				•								
milling machine												
chain saw												
other woodworking												
machines												
leveling,												
transporting or												
loading machine												
excavating machine												
foundation work												
machine												

demolition machine		
work		
other construction		
machines		
Iathe 1 1 2 1 1 1		6
drill press, milling	1	2
machine		
grinding machine,		3
buffing machine		
power press 2 1 1 1	1 1	7
forging pressure		
hammer		
shearing machine		
other metal		
manufacturing	1	5
machines		
centrifugal machine		
mixer, grinder		
roll machine (except		
printingroll printing and the second		

machine)																	
injection molding machine					2	1	1									2	6
food manufacturing machine																	
printing machine																	
industrial robot																	
other general power machines		2	2	1	3	1	1	1		1	1	1			1	1	16
felling machine																	
mobile logging machine																	
skyline yarding machine																	
other mobile silviculture machine																	
crane																	
mobile crane																	
derrick crane																	
elevator, lift																	
cargo lifting appliance																	

gondola													
lumberyard													
equipment, logging													
cableway													
simple skyline													
yarding equipment													
other powered													
crane													
truck													
forklift				1									1
railway equipment													
conveyor													
loader													
straddle carrier													
rough terrain hauler													
other powered													
conveying machines													
cars, bus,		1	1			1				1			
motorcycle		1				1				I			4
railway vehicle													
other vehicles							1						1

boiler														
pressure vessel														
other pressure														
vessels														
chemical facilities														
gas welding														
equipment														
arc welding														
equipment														
other welding														
equipment														
kiln, caldron														
industrial dryer														
other kiln, caldron														
transmission					1									1
electric power						1								1
facilities						ı								
other electrical														
equipment														
human power								1						1
cranes														
human power														

hauling equipment									1					1							2
human power machine							1					1	1								3
hand tool		1		1								1		2							5
ladder					1	1										1					3
slinging tool																					
other tools												1								1	2
other equipment,			1		1			1				1									4
scaffolding																					
timbering																					
stairs, landing stage			1	1	1	2	1	1		1	1								1		10
opening																					
roof, beam, haze, crossbeam, principal rafter																					
working platform,				1											1	1					3
passage		1		1	1	1	2	1	4	1	3		1	2	3		2	1	2	2	28
building, establishment								1		1	2				1						5

other temporary															
buildings,											1		1		2
establishments															
explosive substance															
inflammable									_						
substance									I						
inflammable gas															
harmful substance								1		1			1		3
radiation															
other hazards,															
harmful substances															
metal material		2		1	1	1	1			3				2	11
lumber, bamboo															
stone, sand,															
substance															
other materials		1						2							3
load			1		1					1		1		2	6
machine/equipment															
as load															
natural ground,															
rock															
standing tree															

water																									
abnormal																									
environment																									
high/cold																									
temperature													1												1
environment																									
other environments																2	1							1	4
other causal agent					1		1																2		4
no causal agent			1					2						1	1	1				1	2	1			10
unclassifiable																									
total	19	19	10	14	12	13	10	12	11	8	8	9	7	11	8	11	7	8	3	6	5	4	6	11	232

Workers age of fatal and non-fatal accidents in watch 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		1					1									1	1		1			1			6
20-29	4	3	1	2		1	1	1	1	2	2	1	2	2		1	1	1			1		1		28
30-39	2	4	4	1	1	4	1	7	4	1	3	1	3	2	2	3	2	1			1			2	49
40-49	2	6	2	4	6	2	2	2	3	1	1	4	2	1	4	5	2	2		4	1		4	5	65
50-59	9	3	3	6	4	3	5	1	2	3	2	3		5	1	1	1	1	1	1	1	2	1	2	61
60 years old or	2	2		1	1	3		1	1	1				1	1			3	1	1	1	1		2	23

more																										ı
total	19	19	10	14	12	13	10	12	11	8	8	9	7	11	8	11	7	8	3	6	5	4	6	11	232	ì

Workers' number of workplace of fatal and non-fatal accidents in watch 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	3	4		1	2	1	1			1	1				1			1	1	1				2	20
10-29	5	4		3	2	2		1	1	1	1	2				2	1						1	1	27
30-49	1	2	1	2	2	2	1	1	1				2	1		1		3			1			1	22
50-99	2	3	2	2	1	2	3	2	4	1	1	2		1	2	1		1	2	1	1	1	1		36
100-299	5	3	3	4	3		3	1	4	3		1	2	3	2	3	3	1		4	1	2		6	57
300 workers or more	3	3	4	2	2	6	2	7	1	2	5	4	3	6	3	4	3	2			2	1	4	1	70
total	19	19	10	14	12	13	10	12	11	8	8	9	7	11	8	11	7	8	3	6	5	4	6	11	232

Month of fatal and non-fatal accidents in watch 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	1				2	1	1	1	2		3			2	1		2	2				1	2		21
February	4	1	1	1	1	2	4	4		1		2	1	1	1	1		1				1		1	28
March	2	1	2	1	1	2			2	2	1							1			1		1		17
April	1	3		2	2	1	1	3		1	1		2			1	1				1	1		2	23

												<u> </u>													
May	1	2	2	1	2				2					1	1	1				1	1				15
June	2	2		2	2	3	1		1			1		2					1	1			2	2	22
July	1			1		2						1	1	1		2	1		1					3	14
August	1	2		1	1	1	1	2		1			1	1	2	1		2		1					18
September	3	1		2		1			1		1	1		1			1				1		1	1	15
October	2	2	2				1		2			1			1	3	1	1		1					17
November		2	1	1	1		1	2		1		1	1	2	1		1	1		2		1		2	21
December	1	3	2	2					1	2	2	2	1		1	2			1		1				21
total	19	19	10	14	12	13	10	12	11	8	8	9	7	11	8	11	7	8	3	6	5	4	6	11	232

Prefecture of fatal and non-fatal accidents in watch products in 1999-2022

Prefecture	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
Hokkaido	1						1			1															3
Aomori																									
lwate	3		2					2	3	1		1		1	3	1	2	2		2		1	1	1	26
Miyagi	1	1			1					1	1	1	1	1							1			1	10
Akita	1	1	1					1			1	1	2	1	2	2						1			14
Yamagata								1	1		2			2		1	1	1			1			1	11
Fukushima	1				1		1			2		1		1	1			1						2	11
Ibaraki	1	3	1					1	1	1		1			1			2			1				13

		1			 	 	 	1			<u> </u>		\vdash	=		-	-			=			 	
Tochigi								1									1		1					3
Gunma			1																					1
Saitama	4	2		4		2		1						1	1	1	1	2		1	1	1	1	23
Chiba		1				1	1		2	1						1			1	1				9
Tokyo	1	1		2			1					1	2		3									11
Kanagawa		1																					1	2
Niigata		2													1									3
Toyama																								
Ishikawa																								
Fukui																								
Yamanashi	2	3				2	2			1	2		1					1	1				2	17
Nagano	3	1	5	3		2	1	1		2	1	3	1		1	2			1		1	3	1	32
Gifu	1	1						2			1													5
Shizuoka				1				1														1		3
Aichi		2				1	1								1									5
Mie							1																	1
Shiga																								
Kyoto																								
Osaka																								
Hyogo																								

Nara																									
Wakayama																									
Tottori																									
Shimane																									
Okayama																									
Hiroshima																									
Yamaguchi																								1	1
Tokushima																									
Kagawa																									
Ehime																									
Kochi																									
Fukuoka																									
Saga																									
Nagasaki																									
Kumamoto																									
Oita																									
Miyazaki																									
Kagoshima														1											1
Okinawa																									
total	19	19	10	14	12	13	10	12	11	8	8	9	7	11	8	11	7	8	3	6	5	4	6	11	232

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.

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

Return to https://www.jisha.or.jp/english/statistics/2022e_industry.html

Fatal accidents in watch products in Japan in 1999-2022

watch products industry Code No.011304

Type of fatal accidents in watch 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																									
falling to same																									
level																									
crash																									
struck by flying or																									
falling object																									
collapse																									
crashed by																									

caught in/between												
cut												
injury to the sole												
drown												
contact to high/low- temperature												
contact to harmful substance												
electric shock												
explosion												
burst												
fire												
traffic accident (public road)												
traffic accident (others)												
reaction to motion/improper motion												
others											1	1

unclassifiable													
total												1	1

Causal agents (large) of fatal accidents in watch 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																									
crane, conveying																									
machine																									
other equipment																									
temporary																									
buildings,																									
establishments																									
substance,																									
material																									
load																									
environment																									
others																							1		1
total																							1		1

Causal agents (middle) of fatal accidents in watch 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	tota
engine																									
power																									
transmission																									
mechanism																									
woodworking																									
machine																									
construction																									
machine																									
metal																									
manufacturing																									
machine																									
general machine																									
mobile silviculture																									
machine																									
crane																									
conveying																									
machine																									
vehicle																									
pressure vessel																									
chemical facilities																									
welding																									

equipment											
kiln, caldron											
electric equipment											
human power											
machine, tools											
tools											
other equipments,											
facilities											
temporary											
buildings,											
establishments											
hazards, harmful											
substances											
materials											
load											
natural											
environment											
other causal agent											
no causal agent										1	1
unclassifiable											
total										1	1

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	2022	total
engine																									
power transmission																									
mechanism																									
circular sawing																									
machine																									
band sawing																									
machine																									
wood planer																									
machine																									
hollow chisel																									
mortiser, wood																									
borer																									
chamfering																									
machine, router,																									
woodworking																									
milling machine																									
chain saw																									
other woodworking																									

machines												
leveling,												
transporting or												
loading machine												
excavating machine												
foundation work												
machine												
hardening machine												
demolition machine												
vehicle for high lift												
work												
other construction												
machines												
lathe												
drill press, milling												
machine												
grinding machine,												
buffing machine												
power press												
forging pressure												
hammer												
shearing machine												

other metal												
manufacturing												
machines												
centrifugal machine												
mixer, grinder												
roll machine (except												
printingroll												
machine)												
injection molding												
machine												
food manufacturing												
machine												
printing machine												
industrial robot												
other general												
power machines												
felling machine												
mobile logging												
machine												
skyline yarding												
machine												
other mobile												

silviculture machine										
crane										
mobile crane										
derrick crane										
elevator, lift										
cargo lifting										
appliance										
gondola										
lumberyard										
equipment, logging										
cableway										
simple skyline										
yarding equipment										
other powered										
crane										
truck										
forklift										
railway equipment										
conveyor										
loader										
straddle carrier										

rough terrain hauler													
other powered													
conveying machines													
cars, bus,													
motorcycle													
railway vehicle													
other vehicles													
boiler													
pressure vessel													
other pressure													
vessels													
chemical facilities													
gas welding													
equipment													
arc welding													
equipment													
other welding													
equipment													
kiln, caldron													
industrial dryer													
other kiln, caldron													
transmission													

			 	L			 	 \Box	\Box			 \Box		
electric power														
other electrical														
human power cranes														
human power hauling equipment														
human power machine														
hand tool														
ladder														
slinging tool														
other tools														
other equipment,														
scaffolding														
timbering														
stairs, landing stage														
opening														
roof, beam, haze,														

crossbeam,													
principal rafter													
working platform,													
boot board													
passage													
building,													
establishment													
other temporary													
buildings,													
establishments													
explosive substance													
inflammable													
substance													
inflammable gas													
harmful substance													
radiation													
other hazards,													
harmful substances													
metal material													
lumber, bamboo													
stone, sand,													
substance													

other materials													
load													
machine/equipment													
as load													
natural ground,													
rock													
standing tree													
water													
abnormal													
environment													
high/cold													
temperature													
environment													
other environments													
other causal agent													
no causal agent												1	1
unclassifiable													
total												1	1

Workers age of fatal accidents in watch products in 1999-2022

Age	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	17009		2011	2012	2013	2014		2016	2017					2022	total
۱, ۱۹۰							-000	-000				-0.0	-•		-0.5	- • • •	-0.5	-0.0	-• . ,	-0.0	-0				

19 years old or less												
20-29												
30-39												
40-49												
50-59											1	1
60 years old or												
more												
total											1	1

Workers' number of workplace of fatal accidents in watch 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																									
10-29																									
30-49																									
50-99																									
100-299																									
300 workers or																							1		1
more																									
total																							1		1

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																									
February																									
March																							1		1
April																									
May																									
June																									
July																									
August																									
September																									
October																									
November																									
December																									
total																							1		1

Prefecture of fatal accidents in watch products in 1999-2022

Prefecture	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
Hokkaido																									

Aomori													
lwate													
Miyagi													
Akita													
Yamagata													
Fukushima													
Ibaraki													
Tochigi													
Gunma													
Saitama												1	1
Chiba													
Tokyo													
Kanagawa													
Niigata													
Toyama													
Ishikawa													
Fukui													
Yamanashi													
Nagano													
Gifu													
Shizuoka													

Aichi												
Mie												
Shiga												
Kyoto												
Osaka												
Hyogo												
Nara												
Wakayama												
Tottori												
Shimane												
Okayama												
Hiroshima												
Yamaguchi												
Tokushima												
Kagawa												
Ehime												
Kochi												
Fukuoka												
Saga												
Nagasaki												

Kumamoto													
Oita													
Miyazaki													
Kagoshima													
Okinawa													
total												1	1

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

Return to https://www.jisha.or.jp/english/statistics/2022e_industry.html