

## Fatal and non-fatal accidents in pottery products in Japan in 1999-2022

pottery products industry Code No.010903

### Type of accidents in pottery 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	19	10	14	17	7	11	13	13	5	9	7	5	3	8	4	9	8	10	9	5	6	6	8	6	212
falling to same level	24	28	23	23	35	28	15	28	16	15	10	16	8	13	21	6	9	13	18	15	12	6	9	23	414
crash	7	8	7	5	2	4	3	6	2	4	1		3	6	3	2	4	1	1	3	5	5	3	5	90
struck by flying or falling object	9	7	9	10	6	11	4	6	6	4	3	5	1	2	7	5	3	7	4	2	2	4	5	6	128
collapse	3	2	2	2	2	4	1	1		2		1	2		1		1	1		1			1	2	29
crashed by	6	11	6	7	6	2	3	3	4	5	5		2	3	2	2	2	1	1	7	2	4	4		88
caught in/between	62	79	78	55	52	40	45	43	53	36	26	27	26	31	24	30	28	22	21	23	30	10	22	22	885
cut	11	9	10	9	8	11	4	8	7	3		5	4	5	5	4	4	3	4	2	4	5	4	2	131
injury to the sole of the foot			2	1	1									1		1								2	8
drown																									
contact to high/low-	2	6	2	3	2	3	2		1	2	1			1			3		3		2	3		2	38

temperature																									
contact to harmful substance						2		1					1						1		1	1			7
electric shock				1					1		1			1											4
explosion														1											1
burst		1								1															2
fire		1								2		1													4
traffic accident (public road)	2	1			5	2					1	1		2				2			1				17
traffic accident (others)						3																			3
reaction to motion/improper motion	16	17	12	10	9	8	8	11	6	11	3	5	11	8	7	12	2	8	6	4	6	9	7	8	204
others			2			1	1																2	1	7
unclassifiable		1					1																		2
total	161	181	167	143	135	130	100	120	101	94	58	66	61	81	75	71	64	68	68	62	71	53	67	77	2,274

Causal agents (large) of fatal and non-fatal accidents in pottery 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	59	66	59	46	39	43	36	33	40	19	15	21	22	28	18	23	26	18	12	17	22	7	19	20	708

crane, conveying machine	19	24	30	30	21	16	10	19	20	22	15	10	6	13	12	12	8	8	16	12	14	4	8	9	358
other equipment	27	31	19	12	18	19	17	22	16	15	10	12	12	12	11	9	10	13	17	5	14	15	11	13	360
temporary buildings, establishments	23	22	28	32	29	27	19	25	13	23	9	8	6	15	13	13	8	13	10	17	9	9	14	20	405
substance, material	9	11	14	9	12	13	8	8	2	5	3	6		3	6	7	8	7	5	2	2	8	4	5	157
load	13	9	9	8	6	8	5	11	2	3	4	3	2	3	12	2	2	3	2	5	5	5	5	3	130
environment	2				2	1	2		2	2		2	3	1			1	1	3	1	2	2		1	28
others	9	18	8	6	8	3	3	2	6	5	2	4	10	6	3	5	1	5	3	3	3	3	6	6	128
total	161	181	167	143	135	130	100	120	101	94	58	66	61	81	75	71	64	68	68	62	71	53	67	77	2,274

Causal agents (middle) of fatal and non-fatal accidents in pottery 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 mechanism	10	12	6	10	1	2	2	1	3	2	1	1			2	4	2							1		60
woodworking machine	1	1	2	2	1	1	2	1				1	2			1	1	2	1		1					20







demolition machine																1							1	
vehicle for high lift work																								
other construction machines																								
lathe						3	1	3		1		1	1		1			1					1	13
drill press, milling machine																								
grinding machine, buffing machine						2	2	3	1					1				2	1		1	1		14
power press			4		1				2	3		1			2	1			1				2	17
forging pressure hammer																								
shearing machine																1								1
other metal manufacturing machines			1		1				1						1	1						3	1	10
centrifugal machine																								
mixer, grinder			3		2		6	7	4	2	2	1		1		1		1		3				33
roll machine (except printingroll machine)			2		1		1		1			2	1	3							2			13







pressure vessel																								
other pressure vessels																								
chemical facilities																								
gas welding equipment																								
arc welding equipment			1																					1
other welding equipment																								
kiln, caldron			2			1					1	2		1										7
industrial dryer					1					1														2
other kiln, caldron						1																		1
transmission																		1						1
electric power facilities																								
other electrical equipment														1										1
human power cranes																								1 1
human power hauling equipment			3		4		4	3	10	5	4	3	4	5	4	3	1	5	2	1	2	2	3	2 70

human power machine											1													1	
hand tool			2		3		1	1	2	2					1			1	2		1				16
ladder			5		3		3	6	1	1	2	4	3	3		3	3	4	3		5	3	1	3	56
slinging tool			1		2				1														1	1	7
other tools			4		2		4	4	2	4	3		1	2	4	3	4	3	7	3	5	5	6	4	70
other equipment, facilities			1		3		3	8		2	1	2	2	1	1		2		2	1	1	5		2	37
scaffolding									1																1
timbering																									
stairs, landing stage			2		5		5	5	2	4	4	1		5		2	2	1	3	2	1		3	1	48
opening					1										1										2
roof, beam, haze, crossbeam, principal rafter			1		1		2				1		1			1	1	1	1	1			3		14
working platform, boot board			5		9		1	2	2	3	1	2	1	1	3	1		4	1		3		1	3	43
passage			17		9		8	10	6	8	2	4	3	7	9	4	3	5	3	11	2	5	3	14	133
building, establishment			1		2		1	4	2	6		1	1	2		3	1	1	1	2	2	2	2		34
other temporary buildings,			2		2		2	4		2	1					2	1	1	1	1	1	2	2	2	26



environment																			1					1	
high/cold temperature environment								1	2							1		1		2	2			9	
other environments					1		1				1	2					1	2					1	9	
other causal agent			2									1		1								2	1	7	
no causal agent			6		8		2	1	6	5	2	4	9	6	2	5	1	5	3	3	3	3	4	5	83
unclassifiable							1	1																2	
total	161	181	167	143	135	130	100	120	101	94	58	66	61	81	75	71	64	68	68	62	71	53	67	77	2,274

Workers age of fatal and non-fatal accidents in pottery 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	2	6	2		2	3	1	2	1	1		1	1	3	1	2	2	2	1	2	1		3		39
20-29	25	29	26	18	19	15	15	11	12	14	3	11	6	13	8	11	8	9	7	8	3	3	9	8	291
30-39	16	28	33	30	19	20	17	21	23	16	10	12	11	16	15	13	10	11	11	7	11	8	7	13	378
40-49	34	33	26	28	22	22	18	30	17	16	13	15	14	18	19	15	13	14	16	13	14	14	16	14	454
50-59	61	60	59	51	45	47	28	39	33	29	18	18	16	20	15	15	20	16	15	15	15	17	15	20	687
60 years old or more	23	25	21	16	28	23	21	17	15	18	14	9	13	11	17	15	11	16	18	17	27	11	17	22	425
total	161	181	167	143	135	130	100	120	101	94	58	66	61	81	75	71	64	68	68	62	71	53	67	77	2,274

Workers' number of workplace of fatal and non-fatal accidents in pottery 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	43	37	37	31	23	34	22	21	12	17	15	14	13	20	10	5	5	6	9	10	15	9	10	8	426
10-29	44	52	51	36	36	36	21	40	25	22	9	17	10	21	21	23	18	19	19	19	17	14	15	18	603
30-49	21	23	15	20	24	18	16	20	27	20	13	16	18	12	20	16	13	11	11	11	8	8	10	16	387
50-99	24	29	24	33	24	19	28	22	23	18	8	12	10	12	12	16	19	21	18	16	22	14	11	22	457
100-299	25	33	32	18	22	17	10	15	10	11	10	5	7	10	7	10	8	8	11	4	8	3	16	10	310
300 workers or more	4	7	8	5	6	6	3	2	4	6	3	2	3	6	5	1	1	3		2	1	5	5	3	91
total	161	181	167	143	135	130	100	120	101	94	58	66	61	81	75	71	64	68	68	62	71	53	67	77	2,274

Month of fatal and non-fatal accidents in pottery 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	20	15	10	5	14	15	6	12	8	8	3	10	7	5	8	4	7	8	4	5	4	6	7	9	200
February	8	25	13	12	15	7	12	10	2	13	6	1	2	11	6	9	5	9	8	6	9	2	4	4	199
March	16	16	17	14	15	16	9	13	5	6	9	6	7	6	3	5	6	4	7	4	6	3	5	6	204
April	11	12	15	17	12	14	10	10	11	13	5	4	4	8	8	5	6	5	4	4	6	7	5	2	198
May	6	13	21	11	7	9	7	11	10	1	6	10	5	6	5	10	4	3	4	3	7	8	5	10	182
June	16	12	12	7	10	8	11	8	6	11	6	6	9	5	4	3	3	5	6	6	7	2	7	2	172

July	18	18	9	11	11	15	9	9	7	12	3	4	5	11	9	7	7	7	4	11	5	8	6	7	213
August	15	11	13	18	9	9	4	13	13	8	1	9	5	3	6	8	6	1	7	4	7	5	6	9	190
September	14	14	8	6	11	6	8	10	11	4	6	3	6	7	5	5	5	8	6	4	5	2	5	9	168
October	11	17	24	19	12	14	10	12	13	8	2	3	8	8	6	5	4	7	5	3	3	3	7	4	208
November	15	13	11	12	13	12	8	7	10	5	6	4		5	7	5	6	7	7	7	7	5	4	7	183
December	11	15	14	11	6	5	6	5	5	5	5	6	3	6	8	5	5	4	6	5	5	2	6	8	157
total	161	181	167	143	135	130	100	120	101	94	58	66	61	81	75	71	64	68	68	62	71	53	67	77	2,274

Prefecture of fatal and non-fatal accidents in pottery 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	2		2		1		1	1						1							1				9
Aomori	1				1		1												1		1				5
Iwate	1											1													2
Miyagi													1	1							2		1		5
Akita														1											1
Yamagata	1																1								2
Fukushima		1	2					1	2	4		1	1	1	1		1				1		2		18
Ibaraki		2			1										1										4
Tochigi		3	4		4		2				1				1		2	1			2		1	1	22
Gunma			1					1									1		1		1				5





Shimane		2	1					2	1						1									7	
Okayama	1	1	2		4								1											9	
Hiroshima																				1				1	
Yamaguchi	2		1		1				1		1					1		1	1				1	10	
Tokushima																									
Kagawa		2			1			1											1					5	
Ehime		2	3		1			1	2		1													10	
Kochi	1	1																						2	
Fukuoka	5		2		1		2	1	2	3			1			1			2	2	1	1	1	3	28
Saga	10	10	11		8		3	7	3	5	4	4	3	4	3	2	3	3	5	2	4	6	5	8	113
Nagasaki	6	6	6		3			7	5		1	1	2	2	2	1	2	2	2	2	2	3	2	1	58
Kumamoto	1				1		1					1	1				1	1			1			8	
Oita		2	1		5		5	1	2	1		2	1		1	1						1		23	
Miyazaki	2		2					1	2	2				1	3						1			14	
Kagoshima	1	1	1					1	1						3	1			1	2		1		1	14
Okinawa		1	2		3		2			1					1	1	1					1		2	15
total	161	181	167	143	135	130	100	120	101	94	58	66	61	81	75	71	64	68	68	62	71	53	67	77	2,274

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																									
contact to high/low-temperature																									
contact to harmful substance																									
electric shock												1												1	
explosion																									
burst																									
fire																									
traffic accident (public road)																									
traffic accident (others)																									
reaction to motion/improper motion																									
others																									
unclassifiable																									
total	2	1	1	1	1		1	1	1		1		1	1									1	13	

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























environment																								
high/cold temperature environment																								
other environments																								
other causal agent																								
no causal agent																								
unclassifiable																								
<b>total</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>		<b>1</b>	<b>1</b>	<b>1</b>		<b>1</b>		<b>1</b>	<b>1</b>								<b>1</b>	<b>13</b>	

Workers age of fatal accidents in pottery 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																									
20-29														1											1
30-39								1	1																2
40-49	1																								1
50-59	1	1		1	1		1				1														6
60 years old or more			1										1										1		3
<b>total</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>		<b>1</b>	<b>1</b>	<b>1</b>		<b>1</b>		<b>1</b>	<b>1</b>									<b>1</b>	<b>13</b>	









Shimane																								
Okayama																								
Hiroshima																								
Yamaguchi																								
Tokushima																								
Kagawa																								
Ehime																								
Kochi																								
Fukuoka																								
Saga																								
Nagasaki																								
Kumamoto																								
Oita																								
Miyazaki																								
Kagoshima																								
Okinawa																								
total	2	1	1	1	1		1	1	1		1		1	1									1	13

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

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