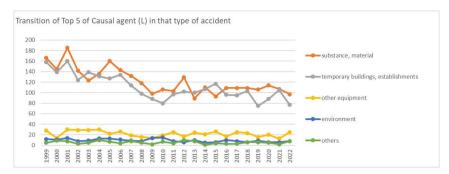
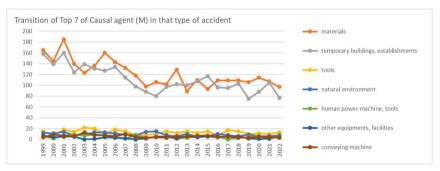
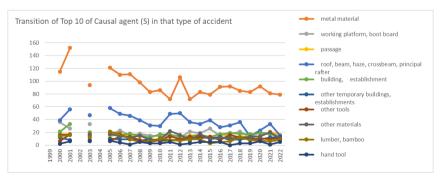
Transition of Causal agent (L, M, S) of fatal & non-fatal accident (injury to the sole of the foot) in 1999-2022



Transition of Causal agent (L) of fatal & non-fatal accident (injury to the sole of the foot) in 1999-2022



Transition of Causal agent (M) of fatal & non-fatal accident (injury to the sole of the foot) in 1999-2022



Transition of Causal agent (S) of fatal & non-fatal accident (injury to the sole of the foot) in 1999-2022

Causal agent (L)	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
substance, material	166	145	185	142	123	136	160	143	132	118	98	106	103	129	89	110	93	109	109	109	106	114	107	97	2,929
temporary buildings, establishments	158	139	160	124	139	131	127	134	114	98	88	80	97	102	100	107	117	96	95	103	75	88	105	77	2,654
other equipment	28	14	30	29	29	30	22	26	19	16	14	19	25	17	24	21	26	17	25	23	16	20	13	25	528
environment	12	11	14	8	9	13	13	11	9	8	14	15	8	6	10	5	6	10	8	6	9	6	6	8	225
others	5	9	8	3	5	10	7	4	8	5	2	7	4	10	8	1	4	3	3	6	6	5	2	8	133
crane, conveying machine	4	11	8	8	14	8	9	10	13	4	4	5	4	6	8	7	7	7	6	4	3	5	4	4	163
machine	6	6	8	9	6	9	5	11	4	5	4	5	6	6	7	6	5	2	2	5	4	2	3	3	129
load	7	9	5	5	5	4	4	3	4	3		4	5	6	6	3	4	6	4	2	1	2	6	3	101
total	386	344	418	328	330	341	347	342	303	257	224	241	252	282	252	260	262	250	252	258	220	242	246	225	6,862

Transition of Causal agent (M) of fatal & non-fatal accident (injury to the sole of the foot) in 1999-2022

Ca	usal agent (M)	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
ma	aterials	165	145	185	140	123	136	160	143	132	118	98	106	102	129	89	110	93	109	109	109	106	114	107	97	2,925
tei	mporary																									

buildings,	158	139	160	124	139	131	127	134	114	98	88	80	97	102	100	107	117	96	95	103	75	88	105	77	2,654
establishments																									
tools	15	8	18	14	22	20	10	18	15	8	8	10	15	12	15	12	15	8	17	15	10	11	10	13	319
natural environment	12	11	14	8	9	13	13	11	9	8	14	15	8	6	10	5	6	10	8	6	9	6	6	8	225
human power machine, tools	6	2	7	9	7	9	8	4	2	8	3	4	5	2	3	5	5	5		3	4	7	1	7	116
other equipments, facilities	7	4	5	5		1	4	3	2		2	5	5	2	6	4	6	4	6	5	2	1	2	5	86
conveying machine	4	9	7	6	13	8	8	6	10	4	3	4	3	5	5	7	7	5	5	3	3	5	4	3	137
load	7	9	5	5	5	4	4	3	4	3		4	5	6	6	3	4	6	4	2	1	2	6	3	101
other causal agents	4	8	8	2	4	9	5	3	7	3	1	4	2	8	5	1	2	2	3	4	4	2		3	94
general machine	6	3	5	4	2	5	1	2	3	1	2	3	2	5	3	5	1	1	2	2	2	1	1	3	65
no causal agent		1		1	1		2	1		2	1	3	1	2	3		2	1		2	2	2	2	3	32
unclassifiable	1					1			1				1									1		2	7
vehicle			1		1		1	2				1						1	1					1	9
woodworking machine		1	2	2	3	4	2	6		1	2	2	3	1		1	1	1					1		33
metal																									
manufacturing				3	1			1		2			1		2		3			3	1		1		18

machine																					
crane		2		2			2	3		1	1	1	3		1		1				17
construction machine		2				1	1	1	1				1					1	1		9
hazards, harmful substances	1			2							1										4
power transmission mechanism			1			1	1														3
electric equipment												1				1			1		3
kiln, caldron							1									1					2
engine													1								1
chemical facilities				1																	1
welding equipment										1											1
mobile silviculture machine																					
pressure vessel																					

Transition of Causal agent (S) of fatal & non-fatal accident (injury to the sole of the foot) in 1999-2022

Causal agent (S	5)	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1767711	2022	total	
																										(11

metal material	115	152	94	121	110	111	98	83	86	72	106	72	83	79	91	92	85	83	92	81	79	1,985
working platform,	36	26	33	16	23	15	18	15	14	14	13	21	19	26	14	18	21	13	20	19	16	410
passage	18	17	19	14	18	14	14	11	6	5	10	15	16	13	17	12	14	13	13	21	16	296
roof, beam, haze, crossbeam, principal rafter	39	56	47	58	49	46	39	31	30	49	50	36	33	39	28	31	36	14	23	33	15	782
building, establishment	21	33	20	18	16	18	15	12	17	16	14	14	16	13	17	19	18	17	19	17	13	363
other temporary buildings, establishments	12	8	8	10	9	9	7	9	7	8	8	11	13	11	13	8	9	11	9	12	13	205
other tools	6	17	15	6	14	13	8	5	8	14	9	13	11	13	8	16	12	8	11	9	11	227
other materials	16	16	17	17	14	12	15	8	9	22	16	7	18	9	12	11	12	13	14	20	10	288
lumber, bamboo	14	16	12	21	18	9	5	5	11	8	7	9	9	3	5	6	12	8	7	6	8	199
hand tool	2	6	6	7	4	1	5	3	3	5	1	3	5	5	5		3	3	6	1	5	79
other equipments,	4	5		4	3	2		2	5	5	2	6	4	6	4	6	5	2	1	2	5	73
standing tree	5	11	6	6	5	6	5	10	15	4	3	6		2	6	4	2	7	5	4	4	116
other environments	2	3	2	3	2	3	2	1		2	1	3	4	3	2	3	3		1	1	4	45
truck	7	7	9	7	4	6	4	2	3	3	5	3	7	7	4	5	3	2	5	4	3	100
load	8	5	5	4	2	4	2		4	5	6	6	3	3	5	3	2	1	2	6	3	79

other causal agents	8	8	4	5	3	7	3	1	4	2	8	5	1	2	2	3	4	4	2		3	79
no causal agent	1		1	2	1		2	1	3	1	2	3		2	1		2	2	2	2	3	31
opening	5	8	5	4	5	1	2	5	3	1	2	2	4	5	4	3	3	2	2	3	2	71
ladder	2	1	5	3	4	2		3	1	1	3	2	1	2		1	3	2		1	2	39
stairs, landing stage	3	4	1	1	2	4	1	3	1	2	2		2	4	2	1		2	1		2	38
food manufacturing machine		2		1							2		1	1						1	2	10
human power hauling equipment		1	1			1	1		1		1							1			2	9
unclassifiable						1				1									1		2	5
other general power machines	3	1	2		2	3	1	1	3	2	2	3	3		1	1	1	2	1		1	33
other vehicles			1		1				1						1						1	5
scaffolding	2	8	4	6	10	6	2	2	2	2	3	1	4	6		3	2	2	1			66
natural ground,	4		1	4	2		1	3		2	2	1	1		2	1	1	1		1		27
other woodworking machines	1	2	1	1	5			1	1	2				1	1					1		17
stone, sand, substance		1		1	1			2				1		2	1			2	1			12
conveyor	1		2		1	3		1				1						1				10
timbering	3		2		2	1									1			1				10

crane	2	2				1	3		1				1					1			9
other metal manufacturing machines				1		1					1		1		2			2			8
machine/equipment as load	1					1		1							1	1	1				6
chain saw									1	1	1	1		1							5
mobile crane						1					1	1	1			1					5
forklift				2	1		1						1								5
circular sawing machine				2	1			1													4
grinding machine, buffing machine								1					1		1					1	4
other powered conveying machines	1					1				1						1					4
slinging tool				2	1					1											4
power transmission mechanism			1		1	1															3
leveling, transporting or loading machine	1				1								1								3
other construction																					

machines	1						1									1	3
cars, bus, motorcycle		1		1	1												3
numan power machine				1			2										3
water					2										1		3
mixer, grinder									1		1						2
roll machine (except orintingroll machine)		1											1				2
transmission									1				1				2
engine										1							1
wood planer machine					1												1
excavating machine															1		1
foundation work					1												1
demolition machine						1											1
athe							1										1
power press															1		1
shearing machine														1			1

injection molding											1			1
machine														
printing machine	1													1
industrial robot						1								1
elevator, lift								1						1
railway vehicle										1				1
arc welding equipment						1								1
kiln, caldron				1										1
other kiln, caldron										1				1
other electrical equipment												1		1
human power cranes												1		1
other hazards, harmful substances							1							1
high/cold temperature environment									1					1
band sawing machine														
hollow chisel														

mortisers, wood													
borer													
chamfering													
machine, router,													
woodworking													
milling machine													
hardening machine													
vehicle for high lift													
work													
drill press, milling													
machine													
forging pressure													
hammer													
centrifugal machine													
felling machine													
mobile logging													
machine													
skyline yarding													
machine													
other mobile													
silviculture machine													
derrick crane													

cargo lifting													
appliance													
gondola													
lumberyard													
equipment, logging													
cableway													
simple skyline													
yarding equipment													
other powered													
crane													
railway equipment													
loader													
straddle carrier													
rough terrain hauler													
boiler													
pressure vessel													
other pressure													
vessels													
chemical facilities													
gas welding													
equipment													
other welding													

equipment													
industrial dryer													
electric power													
facilities													
explosive substance													
inflammable													
substance													
inflammable gas													
harmful substance													
radiation													
abnormal													
environment													

 $\textbf{Data Source:} \underline{https://anzeninfo.mhlw.go.jp/user/anzen/tok/anst00.html}$

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