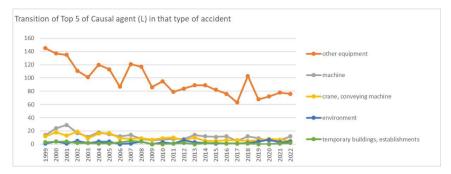
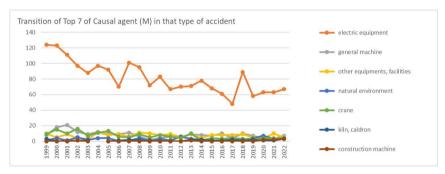
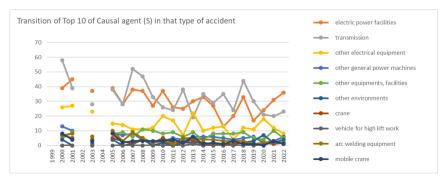
Transition of Causal agent (L, M, S) of fatal & non-fatal accident (electric shock) in 1999-2022



Transition of Causal agent (L) of fatal & non-fatal accident (electric shock) in 1999-2022



Transition of Causal agent (M) of fatal & non-fatal accident (electric shock) in 1999-2022



Transition of Causal agent (S) of fatal & non-fatal accident (electric shock) 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
other equipment	145	137	135	111	101	120	113	87	121	117	86	95	79	84	89	89	82	76	63	103	68	72	78	76	2,327
machine	14	24	29	17	11	18	15	12	14	8	6	7	8	8	14	12	11	12	5	12	9	5	6	12	289
crane, conveying machine	12	18	13	19	9	16	17	9	8	9	7	9	10	6	10	5	5	6	6	5	6	8	7	5	225
environment	1	4	1	5	2	4	4		1	4		3	1	6	3	2	1	1	1	2	4	7	3	4	64
temporary buildings, establishments	3	4	4	2	2	1	1	3	5	4			1	2		2	2	1	1	1			1	2	42
substance, material	1	4	2	2	3		1	1		5	2	3	1	1	1	3	2	2	2	1	2		2		41
others	4	2	2	1	2	1		3	1	2	1	1			2	3	2	1	3	1			1		33
load		1							1					1	1					1					5
total	180	194	186	157	130	160	151	115	151	149	102	118	100	108	120	116	105	99	81	126	89	92	98	99	3,026

Transition of Causal agent (M) of fatal & non-fatal accident (electric shock) in 1999-2022

Causal 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
electric	124	123	111	97	88	97	92	70	101	95	72	83	67	70	71	78	68	61	48	89	58	63	63	67	1,956
equipment	124	123		7/	00	71	72	/0		33	/ 2	63	07	/0	/ '	/ 6	00	O I	40	09	36	03	03	07	1,730

general machine	8	18	21	12	9	12	9	9	11	6	2	4	6	5	9	8	7	10	4	10	7	3	3	7	200
other equipments,	10	5	9	4	3	11	8	9	6	11	10	8	9	6	9	4	8	8	8	9	5	4	10	5	179
natural environment	1	4	1	5	2	4	4		1	4		3	1	6	3	2	1	1	1	2	4	7	3	4	64
crane	9	15	10	16	7	11	13	6	5	9	5	8	6	4	10	1	4	3	4	3	3	4	4	3	163
kiln, caldron	3			1	1			1	2	1	1				2	2	1	1	2	1	2	1	1	3	26
construction machine				1											1							2	2	3	9
temporary buildings, establishments	3	4	4	2	2	1	1	3	5	4			1	2		2	2	1	1	1			1	2	42
conveying machine	1	1	2	2	2	3	3	2	2		1	1	1	1		2	1	1	2	1	2	3	3	2	39
welding equipment	4	7	12	8	6	7	10	4	9	5	2	4	2	5	5	4	5	5	4	3	1	2	4	1	119
metal manufacturing machine	4	4	7	3	2	5	3	2	2	2	2	2	2	3	1	3	4		1	2	1		1	1	57
engine		1	1				3		1		2	1			2						1			1	13
tools	4		2	1	3	5	2	3	1	2			1	1				1			1	1			28
other causal	4	2	1	1	2	1		2		2	1	1			2	2	1	1	1	1			1		26

agents																								
vehicle	2	2	1	1		2	1	1	1		1		3	1		2		2		1	1	1		23
hazards, harmful substances	1		2	1	3		1	1		4		1	1			2	1	1	1				1	21
materials		4		1						1	2	2		1	1	1	1	1	1	1	2		1	20
human power machine, tools		1					1		1	2				2	2	1				1	1	1		13
woodworking machine	2	1		1		1		1							1	1		2						10
pressure vessel		1	1						1	1									1					5
load		1							1					1	1					1				5
no causal agent			1					1								1	1		1					5
unclassifiable									1										1					2
chemical facilities											1													1
power transmission mechanism																								
mobile silviculture																								

Transition of Causal agent (S) of fatal & non-fatal accident (electric shock) in 1999-2022

Causal agent (S)	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
electric power		39	45		37		39	28	38	37	27	37	26	25	30	33	27	13	20	33	17	24	31	36	642
transmission		58	39		28		38	28	52	47	33	26	24	38	19	35	29	35	24	44	30	21	20	23	691
other electrical equipment		26	27		23		15	14	11	11	12	20	17	7	22	10	12	13	4	12	11	18	12	8	305
other general power machines		13	10		6		8	7	8	4	2	3	5	4	6	6	6	5	4	5	6	2	3	6	119
other equipments,		5	9		3		8	9	6	11	10	8	9	6	9	4	8	8	8	9	5	4	10	5	154
other environments		4			1		4		1	4		2		2	2	2	1		1	2	3	7	2	4	42
crane		7	5		4		5	3	1	5	2	5	2	2	4		1	1	1	2	1	2	1	2	56
vehicle for high lift work															1							1	2	2	6
arc welding equipment		7	8		6		10	3	9	5	2	3	1	5	5	4	4	3	3	3	1	2	3	1	88
mobile crane		8	4		3		8	2	3	3	3	3	4	2	6	1	2	1	3	1	1		3	1	62
food manufacturing machine		3	3		2		1		1	1		1	1		2			4		4		1		1	25
other temporary buildings, establishments		1			1			2	2	3			1			1	1		1	1			1	1	16

kiln, caldron					1	2		1				2	1	1		1	1	2	1		1	14
engine	1	1		3		1		2	1			2						1			1	13
forklift			1	1				1			1		1		1				1		1	8
power press							1	1				1	1	1						1	1	7
scaffolding	1		1								2		1								1	6
other powered conveying machines				1		1				1									1		1	5
industrial dryer													1		1	1				1	1	5
other kiln, caldron			1				1														1	3
other construction machines																					1	1
grinding machine, buffing machine	2	1	1	3	1	1			2	2	2		2	2		1	1					21
other causal agents	2	1	2		2		2	1	1			2	2	1	1	1	1			1		20
other hazards, harmful substances		2	3	1	1		4		1	1			2	1		1						17
other tools		1	3	2	2	1	2			1	1							1				14
conveyor	1	2	1	1	1				1					1		2	1	2				13
hand tool	1					1	2				2	2	1				1	1	1			12
metal material	1						1	2	1		1	1		1	1	1		2				12
other metal																						

manufacturing	2	3	1				1	1			1						1	1			11
machines																					
cars, bus,	2				1			1		2	1		2		1		1				11
motorcycle								_			_				•		•				
mixer, grinder		4	1		1	1	1						1	1							10
other welding		3			1				1	1					2	1				1	10
equipment					ľ				I							•				I	
building,	2	1		1	1	1	1							1							8
establishment					•	_															
truck					1	1							1						1	3	7
injection molding		2				1					1				1			1			6
machine											•				•			•			
railway vehicle		1		1		1				1					1				1		6
abnormal			1								4	1									6
environment			1								4										
printing machine	2	1			1												1				5
elevator, lift		1				1								1				1	1		5
other materials	1								1				1				1			1	5
no causal agent		1			1								1	1		1					5
circular sawing	1											1	1		1						4
machine	I											I			I						4
machine/equipment																					

as load	1					1				1					1				4	ŀ
standing tree		1						1								1		1	4	1
lathe		2										1							3	3
roll machine (except																				
printingroll		1								1	1								3	3
machine)																				
boiler		1				1	1												3	3
ladder		1											1				1		3	3
roof, beam, haze,																				
crossbeam,		2				1													3	3
principal rafter																				
drill press, milling		1			1														2	
machine					I															<u>-</u>
other powered					1		1												2	,
crane					ľ		'													
pressure vessel	1													1					2	2
gas welding												_							_	
equipment		ľ										ı							2	<u>'</u>
unclassifiable						1								1					2	2
band sawing					1															
machine																				

chain saw											1					1
leveling,																
transporting or														1		1
loading machine																
shearing machine						1										1
gondola														1		1
lumberyard equipment, logging cableway											1					1
other vehicles													1			1
chemical facilities							1									1
human power hauling equipment				1												1
slinging tool					1											1
stairs, landing stage		1														1
working platform, boot board						1										1
passage											1					1
inflammable substance															1	1
inflammable gas											1					1
lumber, bamboo	1															1

stone, sand,	1															1
substance																
load									1							1
water								1								1
high/cold																
temperature												1				1
environment																
power transmission																
mechanism																
wood planer																
machine																
hollow chisel																
mortisers, wood																
borer																
chamfering																
machine, router,																
woodworking																
milling machine																
other woodworking																
machines																
excavating machine																
foundation work																

machine													
hardening machine													
demolition machine													
forging pressure													
hammer													
centrifugal machine													
industrial robot													
felling machine													
mobile logging													
machine													
skyline yarding													
machine													
other mobile													
silviculture machine													
derrick crane													
cargo lifting													
appliance													
simple skyline													
yarding equipment													
railway equipment													
loader													
straddle carrier													

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rough terrain hauler																			
other pressure																			
vessels																			
human power																			
cranes																			
human power																			
machine																			
timbering																			
opening																			
explosive substance																			
harmful substance																			
radiation																			
natural ground,																			
rock																			

Data Source: https://anzeninfo.mhlw.go.jp/user/anzen/tok/anst00.html

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