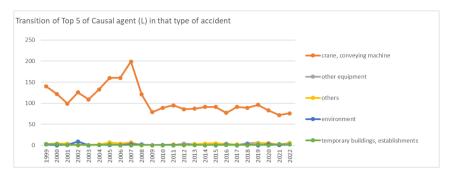
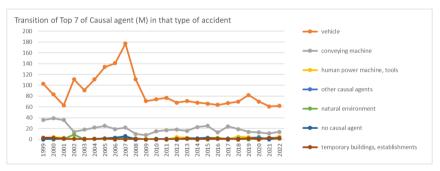
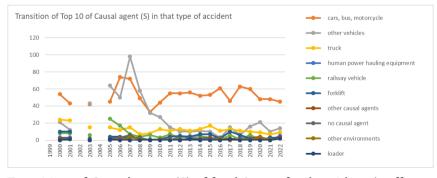
Transition of Causal agent (L, M, S) of fatal & non-fatal accident (traffic accident (others)) in 1999-2022



Transition of Causal agent (L) of fatal & non-fatal accident (traffic accident (others)) in 1999-2022



Transition of Causal agent (M) of fatal & non-fatal accident (traffic accident (others)) in 1999-2022



Transition of Causal agent (S) of fatal & non-fatal accident (traffic accident (others)) 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
crane, conveying machine	140	122	99	126	109	133	160	160	199	121	79	89	95	86	87	91	91	77	91	89	96	83	72	76	2,571
other equipment	3	4	3	1		1	1	3	1	1	1	1		4	3	2	3	4	1	5	6	4	2	6	60
others	3	4	4		1	2	7	4	7			1	2		3	4	5	3	2	1	4	6	1	5	69
environment	2		1	9		1	1	1	3	2		1	1	1	1			2		2		3	1	2	34
temporary																									
buildings, establishments	3	3	1	1	1	1	2			1				1	1		1	1	1		2		3	2	25
load	2	2	1	1	1		2	3	2			1	1	1	4						2	1	2	1	27
machine	4	2	1	1	1		2	1	1	2			1	1			2	1	3					1	24
substance, material	1	1			1			1				1	1	2			1			1				1	11
total	158	138	110	139	114	138	175	173	213	127	80	94	101	96	99	97	103	88	98	98	110	97	81	94	2,821

Transition of Causal agent (M) of fatal & non-fatal accident (traffic accident (others)) 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
ve	hicle	103	83	63	111	91	111	134	141	177	111	71	74	77	68	71	68	66	64	67	70	82	70	61	62	2,096
со	nveying																									

machine	36	39	36	14	18	22	25	19	22	10	8	15	17	18	16	23	25	13	24	19	14	13	11	14	471
human power machine, tools	1	4	3	1		1	1	3	1	1	1	1		4	3	2	3	3	1	5	4	3	1	5	52
other causal agents	3	2	2			1	2	1							1	2	3	1	2		2	4		3	29
natural environment	2		1	9		1	1	1	3	2		1	1	1	1			2		2		3	1	2	34
no causal agent		1	2		1	1	2	3	6			1	1		2	2	2	2		1	2	2	1	2	34
temporary buildings, establishments	3	3	1	1	1	1	2			1				1	1		1	1	1		2		3	2	25
load	2	2	1	1	1		2	3	2			1	1	1	4						2	1	2	1	27
materials	1	1			1			1				1	1	2			1			1				1	11
general machine			1		1		1										1	1						1	6
tools	1																				1			1	3
construction machine	2	2		1			1		1	1			1	1			1		2						13
unclassifiable		1					3		1				1												6
crane	1			1			1						1												4
other equipments,	1																	1			1	1			4

	1				1	1								3
machine														
metal														
manufacturing	1										1			2
machine														
electric equipment													1	1
engine														
power														
transmission														
mechanism														
mobile silviculture														
machine														
pressure vessel														
chemical facilities														
welding														
equipment														
kiln, caldron														
hazards, harmful														
substances														

Transition of Causal agent (S) of fatal & non-fatal accident (traffic accident (others)) 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
cars, bus, motorcycle		54	43		42		45	74	72	49	33	44	55	55	56	52	53	61	46	63	60	48	48	45	1,098
other vehicles		21	12		43		64	50	98	58	32	27	15	10	10	11	10	3	15	6	16	21	10	14	546
truck		24	23		15		15	12	15	7	8	13	11	13	11	13	17	11	13	11	10	9	7	9	267
human power hauling equipment		3	3					3			1	1		4	3	2	2	3	1	3	3	3	1	5	41
railway vehicle		8	8		6		25	17	7	4	6	3	7	3	5	5	3		6	1	6	1	3	3	127
forklift		10	10		2		4	4	3	3		1	4	5	4	7	7	2	10	6	2		3	3	90
other causal agents		2	2				2	1							1	2	3	1	2		2	4		3	25
no causal agent		1	2		1		2	3	6			1	1		2	2	2	2		1	2	2	1	2	33
other environments			1				1	1	3	2		1	1	1	1			2		1		3	1	2	21
loader			1				1								1				1					2	6
load		2	1				2	2	2			1		1	4						2	1	1	1	20
passage		1			1					1				1				1	1				1	1	8
other general power machines			1				1										1	1						1	5
other materials		1			1									1						1				1	5
building, establishment		2																			1			1	4
ladder																								1	1

other powered	5	2	1	5	3	4		1	2			3	1			2	2	4		35
conveying machines			•					•												
hand tool	1			1		1	1									2	1			7
unclassifiable	1			3		1			1											6
leveling,																				
transporting or				1		1	1						1		1					5
loading machine																				
machine/equipment			1		1				1										1	4
as load			ı																•	4
other equipments,														1			1	1		3
facilities														1				•		3
working platform,		1									1								1	3
boot board		ı									1								•	3
other temporary																				
buildings,				1									1				1			3
establishments																				
excavating machine									1	1										2
stairs, landing stage				1															1	2
metal material								1		1										2
stone, sand,									1				1							2
substance									1				1							2
circular sawing					1															1

machine															
chain saw						1									1
hardening machine	1														1
vehicle for high lift work	1														1
other construction machines											1				1
grinding machine, buffing machine											1				1
food manufacturing machine			1												1
crane								1							1
mobile crane				1											1
railway equipment														1	1
other electrical equipment														1	1
human power machine										1					1
other tools													1		1
lumber, bamboo					1										1
natural ground, rock												1			1

engine													
power transmission													
mechanism													
band sawing													
machine													
wood planer													
machine													
hollow chisel													
mortisers, wood													
borer													
chamfering													
machine, router,													
woodworking													
milling machine													
other woodworking													
machines													
foundation work													
machine													
demolition machine													
lathe													
drill press, milling													
machine													

power press																									
forging pressure																									
hammer																									
shearing machine																									
other metal																									
manufacturing																									
machines																									
centrifugal machine																									
mixer, grinder																									
roll machine (except																									
printingroll																									
machine)																									
injection molding																									
machine																									
printing machine																									
industrial robot																									
felling machine																									
mobile logging																									
machine																									
skyline yarding																									
machine																									
other mobile																									
. I			I 1			I	II I	1 1	I I			1 1	I !!		II I	ı İ	I I		1	1 1		ı İ	I II	I II	. II

silviculture machine												
derrick crane												
elevator, lift												
cargo lifting appliance												
gondola												
lumberyard equipment, logging cableway												
simple skyline yarding equipment												
other powered crane												
conveyor												
straddle carrier												
rough terrain hauler												
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													
electric power													
facilities													
human power													
cranes													
slinging tool													
scaffolding													
timbering													
opening													
roof, beam, haze,													
crossbeam,													
principal rafter													
explosive substance													

inflammable													
substance													
inflammable gas													
harmful substance													
radiation													
other hazards,													
harmful substances													
standing tree													
water													
abnormal													
environment													
high/cold													
temperature													
environment													

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

Return to https://www.jisha.or.jp/english/statistics/202312_17.html