Industrial accidents in railway construction work in Japan in 1999-2020

railway construction work industry Code No.030104

Type of accidents in railway construction work in 1999-2020

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
fall from height	18	25	16	19	10	19	14	16	11	13	17	13	9	10	9	12	9	12	13	8	20	16
falling to same level	13	12	9	16	9	7	8	7	11	15	8	9	9	10	10	16	8	11	10	3	18	16
crash	3	5	5	3	6	2	6	7	3	3	5	2	1	1	2	1	5	3	6	1	4	1
struck by flying or falling object	11	13	24	17	14	14	13	16	7	13	12	16	8	12	9	11	8	11	14	18	14	6
collapse	5	2	5	2	4	-	1	5	6	5	2	1	4	2	3	4	4	2	4	1	3	5
crashed by	19	11	11	8	11	10	11	4	8	8	5	7	8	2	7	4	6	6	4	7	7	5
caught in/between	31	31	29	25	28	22	16	19	18	23	14	10	10	15	20	15	17	12	24	12	17	16
cut	9	4	1	7	1	4	5	4	4	8	1	4	1	1	2	6	2	5	3	2	3	5
injury to the sole of the foot	0	0	0	-	1	-	0	0	0	0	0	0	1	0	0	0	0	1	0	1	1	1
drown	0	0	0	-	0	-	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
contact to high/low-temperature	0	0	2	1	3	2	0	0	3	0	1	1	1	4	1	1	1	0	2	2	0	1
contact to harmful substance	0	0	0	-	0	-	1	2	0	0	0	1	1	0	1	0	0	0	0	0	1	0
electric shock	1	2	0	2	2	3	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0
explosion	0	0	0	-	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
burst	0	0	0	-	1	-	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0
fire	0	0	0	-	0	-	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1	1
traffic accident (public road)	12	6	12	21	17	9	23	13	20	12	8	10	8	28	21	9	19	25	15	9	10	12
traffic accident (others)	0	1	0	2	0	1	2	1	1	0	2	0	0	0	0	0	1	0	0	0	0	0
reaction to motion/improper motion	3	3	3	4	4	5	5	7	0	4	4	4	3	3	5	12	9	9	5	5	8	4
others	0	0	0	2	0	1	1	2	1	0	1	1	3	1	0	1	2	2	1	1	1	3

unclassifiable	0	0	0	2	0	-	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0
total	125	115	117	131	111	99	107	103	93	105	82	80	69	90	91	92	91	99	101	70	110	92

Causal agents (middle) of industrial accidents in railway construction work in 1999-2020

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
engine	0	0	0	-	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
power transmission mechanism	1	0	0	-	0	-	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
woodworking machine	5	1	1	1	1	2	1	3	2	5	0	2	0	0	0	2	0	1	1	0	0	1
construction machine	11	6	13	7	3	5	6	8	4	5	0	6	3	6	4	4	6	3	10	3	5	7
metal manufacturing machine	1	3	1	1	2	1	2	1	2	1	1	2	0	0	0	5	1	0	2	2	1	2
general machine	5	5	2	5	2	2	1	2	3	3	3	0	2	1	3	3	0	3	3	4	1	2
mobile silviculture machine																	0	0	0	0	0	0
crane	2	10	3	14	5	7	5	4	3	7	4	5	4	2	9	7	3	2	3	1	5	4
conveying machine	14	14	6	9	4	17	19	11	15	10	8	6	6	10	9	3	9	19	16	11	10	4
vehicle	11	8	12	25	16	6	14	13	10	8	12	11	5	20	18	7	21	14	6	6	9	14
pressure vessel	1	0	0	-	0	-	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
chemical facilities	0	0	0	-	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
welding equipment	0	0	0	-	1	-	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0
kiln, caldron	0	0	0	-	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
electric equipment	1	0	1	-	2	-	0	1	0	2	1	1	0	1	0	1	1	0	1	0	1	0
human power machine, tools	11	6	8	8	15	6	5	5	4	11	7	4	9	4	10	7	6	11	12	2	13	2
tools	3	6	4	5	4	4	4	6	9	5	5	4	1	3	4	2	7	5	2	3	9	5
other equipments, facilities	0	2	1	3	1	1	2	2	2	0	0	2	3	2	0	2	0	0	1	2	4	2
temporary buildings,	21	24	28	24	22	18	19	18	17	24	21	13	13	15	17	23	7	17	18	12	24	27

establishments																						
hazards, harmful substances	0	0	1	1	0	-	1	1	0	0	1	2	2	0	1	0	0	0	0	0	1	1
materials	26	21	22	17	20	12	17	13	14	16	14	17	13	10	9	12	13	12	19	14	13	8
load	1	5	8	2	7	6	4	6	3	3	2	2	0	3	2	6	8	5	0	5	6	3
natural environment	8	3	3	4	4	9	1	4	5	2	3	3	5	10	2	4	4	5	4	2	4	6
other causal agent	1	0	0	-	0	2	1	3	0	1	0	0	1	0	1	0	3	1	0	2	1	2
no causal agent	2	1	3	3	2	1	3	2	0	0	0	0	1	3	1	4	1	1	3	1	2	2
unclassifiable	0	0	0	2	0	-	2	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0
total	125	115	117	131	111	99	107	103	93	105	82	80	69	90	91	92	91	99	101	70	110	92

Causal agents (small) of industrial accidents in railway construction work in 1999-2020

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
engine			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
power transmission mechanism			0		0		0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
circular sawing machine			1		0		1	0	1	4	0	2	0	0	0	1	0	0	1	0	0	1
band sawing machine			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
wood planer machine			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
hollow chisel mortiser, wood borer			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
chamfering machine, router, woodworking milling machine			0		0		0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
chain saw			0		0		0	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0
other woodworking machines			0		1		0	1	0	1	0	0	0	0	0	1	0	0	0	0	0	0
leveling, transporting or loading machine			0		0		1	0	0	1	0	1	1	1	1	0	0	0	0	1	1	0
excavating machine			2		2		1	4	1	1	0	2	1	1	1	3	2	2	4	2	2	3

foundation work machine			0		0		0	1	0	2	0	0	0	1	0	0	1	0	0	0	1	1
hardening machine			1		0		0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
demolition machine			2		0		1	2	0	0	0	1	0	1	1	0	0	1	1	0	0	1
vehicle for high lift work			1		0		0	0	1	0	0	0	0	0	0	0	0	0	2	0	0	0
other construction machines			7		1		3	1	2	1	0	2	1	2	1	1	2	0	3	0	1	2
lathe			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
drill press, milling machine			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
grinding machine, buffing machine			0		1		1	0	1	1	1	1	0	0	0	5	1	0	0	2	1	0
power press			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
forging pressure hammer			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
shearing machine			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other metal manufacturing machines			1		1		1	1	1	0	0	1	0	0	0	0	0	0	2	0	0	2
centrifugal machine			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
mixer, grinder			0		1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
roll machine (except printingroll machine)			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
injection molding machine			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
food manufacturing machine			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
printing machine			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
industrial robot			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other general power machines			2		1		1	2	3	3	3	0	2	1	3	3	0	3	3	4	1	2
felling machine																	0	0	0	0	0	0
mobile logging machine																	0	0	0	0	0	0
skyline yarding																						

machine																	0	0	0	0	0	0
other mobile silviculture machine																	0	0	0	0	0	0
crane			0		2		0	0	2	1	1	1	0	0	2	0	0	0	0	0	2	0
mobile crane			3		3		5	2	1	6	2	3	3	2	6	6	2	2	2	1	3	4
derrick crane			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
elevator, lift			0		0		0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
cargo lifting appliance			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
gondola			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
lumberyard equipment, logging cableway			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
simple skyline yarding equipment																	0	0	0	0	0	0
other powered crane			0		0		0	2	0	0	0	1	1	0	1	1	1	0	1	0	0	0
truck			3		2		16	8	13	7	6	4	5	7	7	2	4	15	14	10	9	3
forklift			0		0		0	1	0	1	1	0	0	0	0	1	1	0	1	0	0	0
railway equipment			3		1		0	1	1	2	1	1	0	2	2	0	4	1	0	1	1	0
conveyor			0		0		0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
loader			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
straddle carrier			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
rough terrain hauler			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other powered conveying machines			0		1		3	1	1	0	0	1	0	1	0	0	0	3	1	0	0	1
cars, bus, motorcycle			10		15		11	9	9	6	9	9	5	19	15	7	17	11	2	5	6	13
railway vehicle			2		0		3	1	1	2	3	1	0	1	2	0	3	3	4	1	3	1
other vehicles			0		1		0	3	0	0	0	1	0	0	1	0	1	0	0	0	0	0
boiler			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
pressure vessel			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other pressure vessels			0		0		0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
chemical facilities			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
gas welding			0		1		0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0

equipment																						
arc welding equipment			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
other welding equipment			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
kiln, caldron			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
industrial dryer			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other kiln, caldron			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
transmission			0		1		0	1	0	1	0	0	0	1	0	1	0	0	1	0	0	0
electric power facilities			0		0		0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0
other electrical equipment			1		1		0	0	0	1	1	0	0	0	0	0	1	0	0	0	0	0
human power cranes			1		3		0	0	0	1	0	1	7	1	3	2	0	2	4	0	1	0
human power hauling equipment			2		2		0	1	0	3	2	0	1	0	3	1	0	0	4	2	6	0
human power machine			2		2		1	1	1	0	0	0	0	0	0	0	0	1	0	0	2	0
hand tool			3		8		4	3	3	7	5	3	1	3	4	4	6	8	4	0	4	2
ladder			1		0		2	3	1	3	2	1	0	1	1	1	3	2	2	0	4	0
slinging tool			2		3		1	1	2	0	1	2	0	1	0	0	0	2	0	1	0	1
other tools			1		1		1	2	6	2	2	1	1	1	3	1	4	1	0	2	5	4
other equipment, facilities			1		1		2	2	2	0	0	2	3	2	0	2	0	0	1	2	4	2
scaffolding			7		4		3	0	5	0	3	1	2	1	2	1	0	0	1	1	1	1
timbering			0		1		0	1	0	1	0	1	0	0	1	0	0	0	0	0	0	0
stairs, landing stage			2		0		1	1	0	0	0	1	0	3	2	2	0	1	1	0	0	2
opening			0		0		1	0	1	1	0	1	0	1	0	0	0	2	3	0	2	0
roof, beam, haze, crossbeam, principal rafter			0		0		0	0	0	1	0	0	0	0	1	1	0	0	0	0	0	0
working platform, boot board			1		2		2	2	1	3	5	2	1	0	3	5	0	0	2	2	2	3
passage			3		3		2	0	4	6	5	2	4	3	4	9	3	8	5	2	4	10
building, establishment			10		7		6	6	4	7	4	3	3	5	2	2	1	4	3	2	9	4

other temporary buildings, establishments			5		5		4	8	2	5	4	2	3	2	2	3	3	2	3	5	6	7
explosive substance			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
inflammable substance			1		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
inflammable gas			0		0		0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
harmful substance			0		0		0	1	0	0	0	1	1	0	0	0	0	0	0	0	1	0
radiation			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other hazards, harmful substances			0		0		1	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0
metal material			10		9		13	9	10	12	5	12	9	5	4	6	5	9	12	8	10	4
lumber, bamboo			7		4		2	2	1	4	6	4	2	4	1	3	7	1	4	1	0	3
stone, sand, substance			2		2		1	1	0	0	2	1	1	1	3	2	0	1	1	3	1	1
other materials			3		5		1	1	3	0	1	0	1	0	1	1	1	1	2	2	2	0
load			6		3		3	4	3	1	2	2	0	2	2	6	5	3	0	2	2	3
machine/equipment as load			2		4		1	2	0	2	0	0	0	1	0	0	3	2	0	3	4	0
natural ground, rock			1		1		1	2	1	1	1	0	1	1	1	1	2	0	0	0	2	1
standing tree			0		0		0	1	0	0	1	1	1	1	0	0	1	1	1	0	0	0
water			0		0		0	1	0	0	0	0	3	0	0	0	0	0	0	0	0	0
abnormal environment			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
high/cold temperature environment			1		3		0	0	3	0	1	1	0	5	1	1	0	0	2	2	0	2
other environments			1		0		0	0	1	1	0	1	0	3	0	2	1	4	1	0	2	3
other causal agent			0		0		1	3	0	1	0	0	1	0	1	0	3	1	0	2	1	2
no causal agent			3		2		3	2	0	0	0	0	1	3	1	4	1	1	3	1	2	2
unclassifiable			0		0		2	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0
total			117		111		107	103	93	105	82	80	69	90	91	92	91	99	101	70	110	92

Workers age of industrial accidents in railway construction work in 1999-2020

Age	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020

19 years old or less	3	5	3	1	4	2	4	0	6	2	2	0	1	6	3	2	2	1	3	2	3	1
20-29	30	18	22	19	22	19	20	21	21	17	9	23	12	17	16	12	10	9	17	11	16	9
30-39	26	24	16	28	19	19	25	23	25	25	17	21	11	17	24	20	28	29	30	18	21	25
40-49	27	21	19	28	18	17	13	15	9	20	14	14	13	19	19	17	20	26	23	22	31	22
50-59	21	31	40	32	32	24	26	31	27	22	23	12	19	14	16	11	18	19	17	10	19	15
60 years old or more	18	16	17	23	16	18	19	13	5	19	17	10	13	17	13	30	13	15	11	7	20	20
total	125	115	117	131	111	99	107	103	93	105	82	80	69	90	91	92	91	99	101	70	110	92

Workers' number of workplace of industrial accidents in railway construction work in 1999-2020

Workers scale	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
9 workers or less	26	28	27	37	28	34	25	19	24	31	17	21	11	16	25	26	25	23	27	17	38	15
10-29	62	54	53	50	54	37	57	44	33	50	30	32	28	32	37	37	41	38	45	27	40	45
30-49	18	15	21	19	16	16	17	26	16	15	20	14	19	25	18	16	15	17	14	19	14	10
50-99	16	11	14	23	8	9	5	12	16	3	13	10	7	8	4	8	8	12	12	4	12	15
100-299	3	5	1	2	4	3	1	2	4	5	2	3	3	7	7	4	2	9	3	3	5	6
300 workers or more	0	2	1	—	1	0	2	0	0	1	0	0	1	2	0	1	0	0	0	0	1	1
total	125	115	117	131	111	99	107	103	93	105	82	80	69	90	91	92	91	99	101	70	110	92

Month of industrial accidents in railway construction work in 1999-2020

Month	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
January	22	10	15	10	6	10	6	8	4	4	9	7	4	6	7	6	9	12	7	5	6	5
February	7	8	9	12	6	10	3	7	6	7	8	7	6	8	4	7	7	5	11	9	3	14
March	9	12	12	8	5	12	9	8	4	17	8	9	9	8	9	11	9	2	6	3	10	10
April	8	5	4	8	4	5	11	15	3	6	6	7	1	3	4	2	7	11	3	3	16	10
May	3	6	6	5	8	6	16	3	6	6	7	5	2	1	2	14	7	4	7	3	6	4
June	13	7	12	18	13	9	16	10	11	9	4	3	4	6	8	5	12	6	13	7	12	6
July	9	14	8	12	11	7	7	13	6	6	12	7	8	10	10	11	7	16	11	6	13	6
August	10	10	6	11	15	9	10	9	12	10	3	5	3	8	4	6	6	5	6	9	6	9
September	14	8	11	9	13	8	4	6	9	10	5	10	11	16	7	9	8	10	6	8	12	8
October	9	12	11	16	9	14	9	7	10	7	8	7	2	3	17	6	9	15	7	9	8	7
November	11	10	11	13	11	2	9	9	11	11	5	7	11	5	6	7	7	9	9	5	5	9
December	10	13	12	9	10	7	7	8	11	12	7	6	8	16	13	8	3	4	15	3	13	4

total	125	115	117	131	111	99	107	103	93	105	82	80	69	90	91	92	91	99	101	70	110	92

Prefecture of industrial accidents in railway construction work in 1999-2020

Prefecture	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Hokkaido	4	2	0		2		1	1	0	2	4	1	1	14	9	6	12	10	7	5	13	15
Aomori	1	2	1		0		0	1	1	0	1	2	2	5	1	2	0	1	3	1	1	1
Iwate	6	4	4		2		4	3	0	1	0	2	3	5	2	3	2	8	5	1	5	0
Miyagi	4	2	3		3		1	2	9	5	4	5	3	3	3	7	7	2	0	2	5	1
Akita	1	0	1		1		2	2	1	2	0	1	0	0	0	0	0	0	0	0	2	0
Yamagata	4	0	3		1		1	0	0	3	0	5	2	0	0	1	2	0	0	1	0	0
Fukushima	0	3	2		1		9	4	5	1	3	0	2	0	4	5	4	2	4	0	5	2
Ibaraki	3	1	1		2		1	0	2	1	0	2	1	1	0	0	3	6	0	2	1	0
Tochigi	1	2	2		6		1	1	0	1	1	1	2	0	2	2	1	2	1	2	2	0
Gunma	3	1	2		0		1	0	0	1	2	2	2	0	1	2	0	2	1	1	1	0
Saitama	2	6	6		8		6	1	1	6	4	8	0	4	3	4	5	2	5	5	3	2
Chiba	9	4	5		9		1	2	2	1	6	5	1	4	2	1	3	4	5	2	2	3
Tokyo	20	22	16		19		25	24	19	23	15	11	11	14	14	9	9	13	19	12	17	8
Kanagawa	11	12	14		8		2	10	4	6	4	6	6	3	3	3	5	7	15	7	10	12
Niigata	0	2	0		0		0	0	1	4	2	1	1	1	4	2	3	2	1	0	1	5
Toyama	1	0	2		0		0	0	1	1	5	3	3	4	2	2	1	1	0	1	2	4
Ishikawa	1	3	0		0		0	0	0	0	0	0	0	2	0	0	0	1	0	3	1	2
Fukui	0	1	1		0		0	1	0	1	0	0	0	0	1	1	0	0	1	2	4	7
Yamanashi	1	2	0		0		1	0	0	0	1	0	1	0	0	2	2	0	0	0	0	0
Nagano	1	3	1		0		0	1	2	0	1	1	3	2	0	4	2	2	1	0	2	3
Gifu	5	1	3		0		0	2	0	4	4	1	2	1	2	2	1	1	4	3	2	1
Shizuoka	3	5	5		3		0	6	2	3	3	2	3	0	6	6	6	7	0	1	3	4
Aichi	3	4	2		7		4	1	10	7	1	3	2	2	4	2	4	3	2	3	2	1
Mie	2	0	0		1		1	0	0	0	0	0	0	3	0	1	1	1	1	0	4	0
Shiga	0	1	0		0		0	1	1	1	1	1	1	1	1	3	3	1	1	0	0	0
Kyoto	4	3	1		2		3	1	3	3	1	1	1	1	0	3	1	0	3	2	2	2
Osaka	6	5	7		7		15	5	6	3	7	0	4	6	2	7	5	3	3	4	2	3
Hyogo	8	4	7		10		3	6	3	8	2	3	1	3	12	4	1	2	6	0	3	1
Nara	1	1	0		0		2	1	0	0	0	0	0	0	0	1	2	0	0	0	1	0
Wakayama	0	0	0		0		0	3	0	1	0	0	0	0	0	0	0	1	0	2	0	0
Tottori	0	1	2		0		0	1	2	1	0	0	2	0	0	0	0	0	0	0	0	0

Shimane	1	1	2		0		1	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0
Okayama	5	0	4		2		4	1	2	1	2	0	1	0	0	0	0	1	1	0	0	0
Hiroshima	1	3	2		0		6	1	0	0	0	0	0	1	1	0	2	2	3	3	1	3
Yamaguchi	2	1	1		2		2	5	1	3	3	1	4	3	2	0	2	4	2	0	3	4
Tokushima	0	2	1		0		2	0	0	1	0	0	0	0	0	0	0	1	1	0	0	0
Kagawa	1	0	2		3		1	2	1	1	0	1	0	0	1	0	0	1	0	0	0	3
Ehime	1	0	1		1		2	0	0	1	0	1	0	0	0	0	1	1	1	0	0	0
Kochi	2	4	1		0		0	1	2	1	0	0	0	0	0	0	0	0	1	1	1	1
Fukuoka	6	4	7		6		3	4	3	4	2	1	3	2	4	5	0	5	1	1	1	2
Saga	1	1	0		2		0	1	1	0	1	0	1	1	0	0	0	0	0	0	3	1
Nagasaki	0	1	2		1		1	2	0	1	1	2	0	0	3	0	0	0	1	3	4	1
Kumamoto	0	1	0		0		0	4	3	2	1	1	0	0	1	0	0	0	0	0	0	0
Oita	0	0	0		0		0	0	2	0	0	4	0	1	0	0	0	0	0	0	0	0
Miyazaki	0	0	0		0		1	1	2	0	0	0	0	2	0	0	0	0	0	0	0	0
Kagoshima	0	0	3		2		0	0	1	0	0	1	0	1	1	1	1	0	2	0	1	0
Okinawa	0	0	0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
total	125	115	117		111		107	103	93	105	82	80	69	90	91	92	91	99	101	70	110	92

Industrial accidents mean fatal and non-fatal injuries with work absence of 4 days and more. Data of 2011 year include Industrial accidents caused by Great East Japan Earthquake in 2011.

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

Return to https://www.jisha.or.jp/english/statistics/2020e_industry.html

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Fatal accidents in railway construction work in Japan in 1999-2020

railway construction work industry Code No.030104

Type of fatal accidents in railway construction work in 1999-2020

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
fall from height	0	0	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
falling to same level	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
crash	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
struck by flying or	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0

falling object																						
collapse	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
crashed by	1	2	0	0	1	0	1	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0
caught in/between	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
cut	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
injury to the sole of the foot	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
drown	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
contact to high/low-temperature	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
contact to harmful substance	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
electric shock	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
explosion	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
burst	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
fire	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
traffic accident (public road)	1	0	0	1	1	4	1	2	1	0	0	0	0	2	0	2	2	1	0	0	0	2
traffic accident (others)	0	0	0	0	0	1	2	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0
reaction to motion/improper motion	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
others	1	0	0	0	0	2	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
unclassifiable	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
total	6	3	2	5	2	8	4	6	1	0	3	0	4	3	1	2	3	2	0	0	0	4

Causal agents (middle) of fatal accidents in railway construction work in 1999-2020

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
engine	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
power transmission mechanism	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
woodworking machine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

construction machine	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
metal manufacturing machine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
general machine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
mobile silviculture machine																	0	0	0	0	0	0
crane	0	0	0	1	1	1	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0
conveying machine	0	0	0	0	0	3	1	0	1	0	0	0	0	0	0	0	0	2	0	0	0	0
vehicle	2	2	0	2	0	2	3	4	0	0	2	0	0	2	1	1	3	0	0	0	0	2
pressure vessel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
chemical facilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
welding equipment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
kiln, caldron	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
electric equipment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
human power machine, tools	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
tools	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other equipments, facilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
temporary buildings, establishments	2	0	1	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1
hazards, harmful substances	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
materials	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
load	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
natural environment	1	0	1	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	1
other causal agent	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
no causal agent	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
unclassifiable	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
total	6	3	2	5	2	8	4	6	1	0	3	0	4	3	1	2	3	2	0	0	0	4

Causal agents (small) of fatal accidents in railway construction work in 1999-2020

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
engine	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
power transmission mechanism	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
circular sawing machine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
band sawing machine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
wood planer machine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
hollow chisel mortiser, wood borer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
chamfering machine, router, woodworking milling machine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
chain saw	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other woodworking machines	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
leveling, transporting or loading machine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
excavating machine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
foundation work machine	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
hardening machine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
demolition machine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
vehicle for high lift work	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other construction machines	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
lathe	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
drill press, milling machine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
grinding machine,																						

buffing machine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
power press	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
forging pressure hammer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
shearing machine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other metal manufacturing machines	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
centrifugal machine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
mixer, grinder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
roll machine (except printingroll machine)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
injection molding machine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
food manufacturing machine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
printing machine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
industrial robot	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other general power machines	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
felling machine																	0	0	0	0	0	0
mobile logging machine																	0	0	0	0	0	0
skyline yarding machine																	0	0	0	0	0	0
other mobile silviculture machine																	0	0	0	0	0	0
crane	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
mobile crane	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
derrick crane	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
elevator, lift	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
cargo lifting appliance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
gondola	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
lumberyard equipment, logging	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

cableway																						
simple skyline yarding equipment																	0	0	0	0	0	0
other powered crane	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
truck	0	0	0	0	0	3	1	0	1	0	0	0	0	0	0	0	0	2	0	0	0	0
forklift	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
railway equipment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
conveyor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
loader	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
straddle carrier	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
rough terrain hauler	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other powered conveying machines	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
cars, bus, motorcycle	1	1	0	1	0	1	0	2	0	0	0	0	0	2	0	1	2	0	0	0	0	2
railway vehicle	1	1	0	1	0	1	3	2	0	0	2	0	0	0	1	0	1	0	0	0	0	0
other vehicles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
boiler	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
pressure vessel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other pressure vessels	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
chemical facilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
gas welding equipment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
arc welding equipment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other welding equipment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
kiln, caldron	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
industrial dryer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other kiln, caldron	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
transmission	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
electric power facilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other electrical equipment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

human power cranes	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
human power hauling equipment	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
human power machine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
hand tool	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ladder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
slinging tool	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other tools	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other equipment, facilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
scaffolding	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
timbering	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
stairs, landing stage	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
opening	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
roof, beam, haze, crossbeam, principal rafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
working platform, boot board	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
passage	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
building, establishment	2	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
other temporary buildings, establishments	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
explosive substance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
inflammable substance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
inflammable gas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
harmful substance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
radiation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other hazards, harmful substances	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
metal material	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
lumber, bamboo	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

stone, sand, substance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other materials	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
load	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
machine/equipment as load	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
natural ground, rock	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
standing tree	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
water	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0
abnormal environment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
high/cold temperature environment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other environments	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other causal agent	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
no causal agent	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
unclassifiable	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
total	6	3	2	5	2	8	4	6	1	0	3	0	4	3	1	2	3	2	0	0	0	4

Workers age of fatal accidents in railway construction work in 1999-2020

Age	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
19 years old or less	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20-29	3	0	1	1	0	1	0	2	0	0	1	0	0	0	0	0	0	0	0	0	0	1
30-39	0	0	0	1	1	1	1	0	0	0	0	0	2	2	0	1	0	1	0	0	0	0
40-49	3	0	1	1	0	3	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1
50-59	0	2	0	0	0	1	1	2	1	0	1	0	0	1	0	1	2	0	0	0	0	0
60 years old or more	0	1	0	2	1	1	2	1	0	0	1	0	1	0	1	0	1	1	0	0	0	2
total	6	3	2	5	2	8	4	6	1	0	3	0	4	3	1	2	3	2	0	0	0	4

Workers' number of workplace of fatal accidents in railway construction work in 1999-2020

Workers scale	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
9 workers or less	2	1	0	2	2	4	0	0	0	0	1	0	0	0	0	0	2	1	0	0	0	1

10-29	1	1	2	1	0	4	1	1	1	0	2	0	1	3	1	2	0	1	0	0	0	2
30-49	3	0	0	2	0	0	3	3	0	0	0	0	1	0	0	0	1	0	0	0	0	1
50-99	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100-299	0	0	0	0	0	0	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0
300 workers or more	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
total	6	3	2	5	2	8	4	6	1	0	3	0	4	3	1	2	3	2	0	0	0	4

Month of fatal accidents in railway construction work in 1999-2020

Month	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
January	2	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
February	2	0	0	1	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0
March	0	0	0	0	0	2	1	0	0	0	0	0	3	0	0	0	0	0	0	0	0	2
April	1	1	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	1	0	0	0	0
May	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
June	1	0	0	1	0	0	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0
July	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	1	0	1	0	0	0	1
August	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
September	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
October	0	0	1	2	0	4	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0
November	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
December	0	0	0	1	1	2	0	0	0	0	1	0	1	2	0	0	0	0	0	0	0	0
total	6	3	2	5	2	8	4	6	1	0	3	0	4	3	1	2	3	2	0	0	0	4

Prefecture of fatal accidents in railway construction work in 1999-2020

Prefecture	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Hokkaido	0	0	0	0	0	0	1	0	0	0	0	0	0	2	1	1	0	0	0	0	0	0
Aomori	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iwate	0	0	0	1	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
Miyagi	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Akita	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Yamagata	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fukushima	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
Ibaraki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0

Tochigi	0	0	0	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gunma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Saitama	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Chiba	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tokyo	1	0	0	2	0	0	0	1	1	0	1	0	1	0	0	0	0	0	0	0	0	0
Kanagawa	0	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Niigata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Toyama	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ishikawa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fukui	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Yamanashi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Nagano	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gifu	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Shizuoka	0	0	0	0	0	0	0	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Aichi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mie	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Shiga	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kyoto	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Osaka	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hyogo	2	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Nara	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wakayama	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tottori	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Shimane	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Okayama	1	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hiroshima	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Yamaguchi	0	0	0	0	0	0	0	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Tokushima	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kagawa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Ehime	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kochi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fukuoka	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Saga	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nagasaki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kumamoto	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Oita	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miyazaki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kagoshima	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Okinawa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
total	6	3	2	5	2	8	4	6	1	0	3	0	4	3	1	2	3	2	0	0	0	4

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

Return to https://www.jisha.or.jp/english/statistics/2020e_industry.html