Industrial accidents in pulp/paper in Japan in 1999-2020

pulp/paper industry Code No.010601

Type of accidents in pulp/paper 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	33	31	29	25	25	21	22	21	13	19	21	21	19	18	14	23	19	22	18	19	12	17
falling to same level	23	28	27	26	28	21	15	28	15	30	19	13	15	18	13	23	17	19	21	17	19	25
crash	10	23	15	11	10	9	14	5	4	9	4	5	12	6	6	7	11	7	5	3	3	5
struck by flying or falling object	21	14	10	11	11	14	6	9	6	11	5	7	7	8	5	1	9	7	9	5	6	5
collapse	8	8	5	3	4	8	5	2	4	0	3	4	3	0	7	2	4	3	1	1	3	2
crashed by	14	12	18	9	6	11	15	12	10	6	9	2	5	5	8	3	2	9	3	6	3	4
caught in/between	152	152	127	126	109	89	91	116	95	93	86	80	70	62	62	64	67	50	54	59	59	52
cut	26	21	12	19	20	22	9	15	8	15	3	11	10	9	8	11	9	4	11	8	5	6
injury to the sole of the foot	1	0	1	3	0	1	0	0	0	1	0	0	0	0	1	1	0	1	1	0	0	0
drown	0	0	0	-	0	-	0	1	0	0	0	0	0	0	0	0	1	0	0	0	1	0
contact to high/low-temperature	7	10	6	5	3	9	5	4	7	4	2	2	2	1	2	1	2	2	4	6	3	6
contact to harmful substance	4	5	4	8	5	3	3	5	3	3	2	3	1	1	1	2	3	1	5	5	1	0
electric shock	1	1	1	1	0	-	0	1	0	0	0	0	0	0	2	0	0	0	2	0	0	0
explosion	0	0	0	1	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
burst	1	0	0	2	0	-	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
fire	0	0	1	-	2	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
traffic accident (public road)	1	1	5	2	0	-	1	2	2	1	1	1	1	0	1	0	1	0	1	0	3	6
traffic accident (others)	0	0	0	1	0	-	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	1
reaction to motion/improper motion	11	16	13	11	11	12	15	15	14	13	8	10	7	8	13	10	14	11	5	14	6	17
others	2	0	1	1	0	-	0	0	0	0	1	0	3	2	0	0	2	0	1	1	0	1

unclassifiable	2	0	0	1	0	-	1	0	0	2	0	1	0	0	0	0	0	0	0	0	0	0
total	317	322	275	266	234	220	203	236	183	207	164	161	155	138	143	148	161	136	141	144	124	147

Causal agents (middle) of industrial accidents in pulp/paper 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	1	0	0	1	0	0	0	0	0	0	0	0	0	0
power transmission mechanism	7	3	5	7	7	5	5	3	4	6	3	1	6	1	1	1	4	1	3	6	6	4
woodworking machine	1	2	1	4	2	-	0	1	1	2	0	0	0	0	1	0	0	0	1	0	0	2
construction machine	1	0	0	-	0	1	0	0	1	0	1	3	0	1	0	1	0	0	0	0	0	2
metal manufacturing machine	7	2	4	1	1	1	2	2	3	0	0	2	2	1	0	0	0	0	1	0	2	0
general machine	148	148	119	114	102	91	87	99	76	82	68	57	58	56	57	58	61	48	47	54	44	47
mobile silviculture machine																	0	0	0	0	0	0
crane	4	7	8	6	3	4	4	5	2	3	3	4	2	3	4	0	2	2	2	3	0	2
conveying machine	34	34	31	24	20	21	22	27	23	26	22	21	15	15	18	18	16	20	16	13	12	11
vehicle	0	3	4	3	0	-	1	2	3	2	1	3	0	0	2	0	3	1	0	1	1	6
pressure vessel	0	2	1	-	2	1	1	0	5	1	0	1	0	1	0	0	0	0	1	1	0	0
chemical facilities	2	0	0	1	0	1	1	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
welding equipment	0	0	0	-	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
kiln, caldron	1	0	1	1	0	-	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	3
electric equipment	0	0	0	-	0	1	0	1	0	0	0	0	0	0	4	0	0	0	0	2	0	0
human power machine, tools	11	10	8	9	6	12	6	8	8	4	3	5	6	4	5	7	8	2	2	4	3	4
tools	15	15	10	11	13	6	10	7	7	16	13	8	6	5	6	6	7	12	7	9	11	12
other equipments, facilities	4	8	5	7	11	8	9	7	4	4	3	5	7	3	1	4	2	0	7	7	8	3
temporary buildings,	43	39	38	41	32	30	21	33	18	34	25	21	30	26	15	35	27	29	31	18	21	24

establishments																						
hazards, harmful substances	4	6	6	8	8	3	5	5	4	3	2	4	2	1	1	2	3	2	5	5	1	0
materials	14	15	7	9	9	14	11	14	9	9	9	10	5	8	7	3	7	3	6	2	5	7
load	11	18	15	11	15	15	11	9	10	6	3	10	9	7	13	7	8	9	7	8	5	6
natural environment	3	1	4	1	0	1	2	2	0	0	2	1	4	2	2	2	3	1	2	3	4	4
other causal agent	1	1	1	1	1	2	0	3	0	2	0	0	1	2	0	1	0	0	0	1	0	1
no causal agent	5	8	7	6	2	3	4	8	4	5	5	3	2	1	6	3	9	6	2	6	1	8
unclassifiable	1	0	0	1	0	-	1	0	0	2	0	1	0	0	0	0	1	0	0	0	0	0
total	317	322	275	266	234	220	203	236	183	207	164	161	155	138	143	148	161	136	141	144	124	147

Causal agents (small) of industrial accidents in pulp/paper 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	1	0	0	1	0	0	0	0	0	0	0	0	0	0
power transmission mechanism			5		7		5	3	4	6	3	1	6	1	1	1	4	1	3	6	6	4
circular sawing machine			1		1		0	1	1	1	0	0	0	0	1	0	0	0	1	0	0	2
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	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
other woodworking machines			0		1		0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
leveling, transporting or loading machine			0		0		0	0	1	0	1	2	0	1	0	1	0	0	0	0	0	2
excavating machine			0		0		0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0

foundation work machine			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
demolition machine			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
vehicle for high lift work			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
lathe			0		1		0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
drill press, milling machine			0		0		0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
grinding machine, buffing machine			1		0		1	0	0	0	0	1	0	1	0	0	0	0	0	0	1	0
power press			0		0		0	0	1	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			3		0		1	1	1	0	0	1	2	0	0	0	0	0	0	0	1	0
other metal manufacturing machines			0		0		0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
centrifugal machine			0		0		0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0
mixer, grinder			3		1		1	3	1	2	0	0	0	2	0	3	0	0	0	0	0	0
roll machine (except printingroll machine)			53		40		44	29	33	27	28	27	12	25	25	24	21	25	24	20	21	15
injection molding machine			1		1		0	0	1	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			5		1		4	5	0	4	3	2	3	4	2	1	2	1	3	2	3	2
industrial robot			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other general power machines			57		59		38	61	41	47	37	28	43	25	30	30	38	22	20	32	20	30
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			3		3		3	2	1	1	2	4	2	2	3	0	2	1	1	3	0	0
mobile crane			0		0		0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
derrick crane			1		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
elevator, lift			1		0		1	2	1	2	0	0	0	0	0	0	0	0	1	0	0	1
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			3		0		0	1	0	0	1	0	0	0	1	0	0	1	0	0	0	1
truck			3		4		3	0	2	1	2	2	2	1	0	0	4	2	6	3	4	1
forklift			14		7		11	13	10	12	7	8	6	7	11	14	8	7	5	5	5	6
railway equipment			0		0		0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
conveyor			10		6		5	13	9	12	8	9	5	6	7	4	4	9	5	4	2	3
loader			3		1		1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1
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			1		2		2	1	2	1	3	1	2	1	0	0	0	2	0	1	1	0
cars, bus, motorcycle			4		0		1	2	3	2	1	3	0	0	2	0	3	1	0	1	1	5
railway vehicle			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other vehicles			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
boiler			0		0		0	0	4	0	0	1	0	0	0	0	0	0	1	1	0	0
pressure vessel			1		2		1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
other pressure vessels			0		0		0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0
chemical facilities			0		0		1	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
gas welding			0		0		0	0	0	0	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	0	0
other welding equipment			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
kiln, caldron			1		0		0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	1
industrial dryer			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
other kiln, caldron			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
transmission			0		0		0	1	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	3	0	0	0	0	1	0	0
other electrical equipment			0		0		0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0
human power cranes			0		0		1	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0
human power hauling equipment			2		2		1	1	4	1	0	0	1	2	2	2	3	0	0	1	2	2
human power machine			0		1		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
hand tool			6		3		3	7	4	2	2	4	4	2	3	5	5	2	2	3	1	2
ladder			9		5		5	2	2	4	6	4	5	3	5	4	7	4	5	6	6	5
slinging tool			0		0		0	0	1	3	1	1	0	0	0	0	0	2	0	0	0	1
other tools			1		8		5	5	4	9	6	3	1	2	1	2	0	6	2	3	5	6
other equipment, facilities			5		11		9	7	4	4	3	5	7	3	1	4	2	0	7	7	8	3
scaffolding			2		3		0	0	0	0	3	1	0	1	0	1	0	0	1	0	2	0
timbering			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
stairs, landing stage			9		10		7	10	4	6	4	6	8	2	5	10	3	7	4	4	6	7
opening			0		0		1	0	0	0	2	0	0	2	0	0	3	0	1	1	0	1
roof, beam, haze, crossbeam, principal rafter			2		0		0	0	0	1	1	0	0	0	0	0	0	0	1	1	1	2
working platform, boot board			8		7		5	9	7	5	3	2	4	3	4	4	10	3	5	3	0	1
passage			9		9		4	6	4	16	12	10	10	15	5	12	9	10	10	8	8	7
building, establishment			4		3		2	7	2	4	0	2	4	2	0	5	2	5	4	1	2	2

other temporary buildings, establishments			4		0		2	1	1	2	0	0	4	1	1	3	0	4	5	0	2	4
explosive substance			1		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
inflammable substance			1		1		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
harmful substance			2		2		2	4	2	1	0	3	1	1	1	1	2	2	4	5	0	0
radiation			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other hazards, harmful substances			2		5		3	1	2	2	2	1	1	0	0	1	1	0	1	0	1	0
metal material			3		4		4	3	4	2	2	7	3	6	3	2	5	2	3	2	1	0
lumber, bamboo			1		1		2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1
stone, sand, substance			0		0		0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
other materials			3		4		5	10	4	7	7	3	2	1	4	1	2	1	3	0	4	6
load			14		14		11	8	8	6	3	9	9	7	12	7	8	9	6	8	5	6
machine/equipment as load			1		1		0	1	2	0	0	1	0	0	1	0	0	0	1	0	0	0
natural ground, rock			0		0		0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
standing tree			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	1	0	0	0	0	2
abnormal environment			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
high/cold temperature environment			0		0		0	1	0	0	1	1	0	1	0	1	0	1	0	2	2	2
other environments			4		0		2	1	0	0	1	0	4	1	1	1	2	0	2	1	1	0
other causal agent			1		1		0	3	0	2	0	0	1	2	0	1	0	0	0	1	0	1
no causal agent			7		2		4	8	4	5	5	3	2	1	6	3	9	6	2	6	1	8
unclassifiable			0		0		1	0	0	2	0	1	0	0	0	0	1	0	0	0	0	0
total			275		234		203	236	183	207	164	161	155	138	143	148	161	136	141	144	124	147

Workers age of industrial accidents in pulp/paper 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	14	14	10	9	9	7	4	7	5	0	2	5	4	6	5	3	2	3	3	3	4	6
20-29	75	65	63	60	50	42	40	39	32	43	33	29	22	24	24	22	19	18	23	18	17	24
30-39	45	72	49	53	48	52	58	66	39	52	40	40	47	32	43	46	41	29	30	39	31	21
40-49	68	56	56	50	39	33	30	50	44	41	30	36	43	34	25	31	43	32	41	40	32	37
50-59	92	95	75	73	69	70	46	62	46	53	45	41	33	30	30	27	36	41	22	30	21	37
60 years old or more	23	20	22	21	19	16	25	12	17	18	14	10	6	12	16	19	20	13	22	14	19	22
total	317	322	275	266	234	220	203	236	183	207	164	161	155	138	143	148	161	136	141	144	124	147

Workers' number of workplace of industrial accidents in pulp/paper 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	20	28	19	29	22	26	23	18	15	16	6	11	6	6	10	11	9	7	7	11	9	7
10-29	56	42	61	35	47	34	41	51	35	37	29	24	23	29	33	38	29	16	24	25	16	22
30-49	53	66	37	37	43	36	30	36	28	27	24	23	29	17	19	26	26	28	24	24	18	23
50-99	74	60	65	59	48	48	40	57	48	58	40	46	28	36	35	25	29	37	33	29	26	30
100-299	70	76	71	74	52	49	53	57	34	53	50	42	55	42	36	43	59	42	39	45	45	49
300 workers or more	44	50	22	32	22	27	16	17	23	16	15	15	14	8	10	5	9	6	14	10	10	16
total	317	322	275	266	234	220	203	236	183	207	164	161	155	138	143	148	161	136	141	144	124	147

Month of industrial accidents in pulp/paper 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	32	23	25	24	24	19	21	21	15	19	25	21	18	13	9	12	8	15	14	10	12	9
February	30	24	22	16	25	24	15	20	19	21	16	11	11	13	13	14	12	11	14	10	9	13
March	29	35	27	23	26	27	20	17	18	18	14	24	21	7	11	14	14	15	12	15	14	13
April	21	16	19	19	20	12	9	24	14	13	6	13	13	14	8	10	18	10	11	11	8	11
May	26	28	21	21	17	9	24	17	20	17	12	4	21	13	11	13	11	13	11	13	17	16
June	30	28	15	22	17	20	13	15	12	13	10	4	15	14	13	12	19	10	12	14	8	12
July	24	33	27	23	18	18	11	18	18	13	18	9	9	11	10	15	11	9	13	14	7	15
August	30	24	33	22	15	20	22	23	18	16	10	16	6	13	11	17	12	10	14	16	13	17
September	27	36	25	21	17	20	18	19	12	17	7	17	7	4	15	10	14	13	12	10	8	7
October	31	28	17	19	16	23	23	17	11	22	12	10	7	11	14	10	11	8	15	15	11	15
November	17	26	17	32	20	9	14	25	10	18	14	17	14	13	14	8	14	13	1	6	6	9
December	20	21	27	24	19	19	13	20	16	20	20	15	13	12	14	13	17	9	12	10	11	10

total	317	322	275	266	234	220	203	236	183	207	164	161	155	138	143	148	161	136	141	144	124	147

Prefecture of industrial accidents in pulp/paper 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	14	16	11		5		13	13	7	9	16	5	8	9	5	6	11	7	7	8	10	9
Aomori	2	1	3		0		0	0	2	2	0	1	5	0	0	0	0	0	3	1	1	1
Iwate	1	3	1		6		1	4	4	5	1	4	4	1	4	2	1	0	3	3	1	1
Miyagi	4	7	1		2		2	2	2	1	2	1	2	1	2	0	2	1	0	1	0	3
Akita	1	1	2		3		0	1	1	0	0	2	0	2	0	0	3	2	0	3	1	1
Yamagata	1	2	2		3		0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fukushima	3	4	3		3		2	2	3	2	1	4	3	6	1	0	2	3	1	1	5	2
Ibaraki	4	8	3		3		3	5	3	3	3	2	4	2	4	4	3	0	1	0	2	1
Tochigi	3	2	0		0		0	3	0	0	0	1	0	1	2	1	2	1	0	1	0	0
Gunma	0	0	0		0		0	0	0	1	0	0	0	0	0	0	1	0	1	0	1	2
Saitama	9	4	10		3		11	9	11	7	5	4	2	6	10	0	5	10	2	5	5	2
Chiba	6	6	4		2		3	3	0	2	3	0	2	2	3	4	1	2	1	4	0	1
Tokyo	3	3	3		1		2	1	2	1	1	3	1	0	0	0	2	0	1	0	1	0
Kanagawa	3	1	2		5		0	1	3	0	0	0	0	2	3	2	1	5	2	0	0	3
Niigata	2	3	3		2		1	5	1	3	4	3	1	1	0	4	5	3	6	3	2	1
Toyama	5	1	3		3		4	4	3	3	4	4	0	0	1	2	5	0	5	1	3	3
Ishikawa	1	3	4		3		1	7	1	1	2	1	2	1	1	2	1	2	0	4	2	3
Fukui	8	3	8		6		3	7	4	1	2	3	1	1	1	3	2	3	0	4	2	1
Yamanashi	2	2	5		2		5	5	0	1	0	0	2	2	2	2	2	1	2	1	1	0
Nagano	0	2	0		2		0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
Gifu	18	22	20		20		10	7	9	15	9	17	11	7	11	11	9	10	10	14	7	8
Shizuoka	88	74	71		65		49	59	35	53	44	37	27	24	26	32	39	32	34	32	37	36
Aichi	5	8	9		4		4	2	3	4	8	2	3	6	2	4	3	4	11	6	7	0
Mie	0	0	4		3		1	1	1	3	2	1	2	1	0	0	0	0	0	2	0	0
Shiga	0	4	2		0		0	1	3	0	2	2	2	0	1	3	2	0	2	0	1	2
Kyoto	1	1	0		0		1	1	0	0	0	0	1	1	0	0	0	0	1	0	0	0
Osaka	8	6	9		5		10	10	3	13	4	3	6	8	6	10	3	4	8	5	6	10
Hyogo	10	5	0		4		8	10	6	3	1	9	7	3	4	6	7	5	3	1	2	4
Nara	1	0	0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wakayama	0	1	0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tottori	3	2	1		2		1	1	6	4	2	1	1	2	3	4	3	2	3	1	4	4

Shimane	2	2	0		0		0	1	0	2	0	1	0	0	0	1	1	0	1	0	0	2
Okayama	1	5	4		3		4	4	2	4	3	1	2	5	2	2	1	2	0	0	2	1
Hiroshima	3	4	7		2		4	0	2	0	3	3	3	2	0	2	3	1	0	4	0	0
Yamaguchi	5	3	1		3		2	2	2	0	1	0	0	2	1	1	0	0	0	2	1	1
Tokushima	4	17	5		4		3	1	5	5	1	3	5	4	2	2	3	3	3	4	0	3
Kagawa	8	9	7		7		4	4	3	1	1	2	6	3	1	2	2	0	0	0	0	0
Ehime	44	35	34		29		35	33	34	34	23	21	26	21	29	23	22	19	18	18	12	22
Kochi	29	33	23		21		8	6	12	13	8	12	8	8	7	8	8	9	7	7	3	12
Fukuoka	2	8	5		3		2	9	5	2	2	1	5	0	4	1	3	1	0	4	2	1
Saga	3	3	0		3		2	1	0	5	2	2	0	0	3	2	1	2	1	0	0	2
Nagasaki	2	3	2		0		0	2	0	1	0	0	0	0	0	0	0	1	0	0	0	0
Kumamoto	0	0	1		1		2	4	3	1	1	2	1	3	0	0	0	0	2	1	3	2
Oita	2	3	1		1		1	1	1	1	0	1	0	1	1	0	1	0	1	2	0	1
Miyazaki	0	0	0		0		0	1	1	0	1	2	1	0	0	0	0	0	1	0	0	0
Kagoshima	6	2	1		0		1	1	0	1	1	0	0	0	0	1	1	1	0	1	0	1
Okinawa	0	0	0		0		0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0
total	317	322	275		234		203	236	183	207	164	161	155	138	143	148	161	136	141	144	124	147

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 pulp/paper in Japan in 1999-2020

pulp/paper industry Code No.010601

Type of fatal accidents in pulp/paper 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	1	0	1	1	2	1	1	0	0	0	2	2	0	1	0	0	0	0	0	0	0	0
falling to same level	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	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	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0

falling object																						
collapse	0	3	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	1	0	0
crashed by	0	0	0	0	0	0	2	0	1	0	1	0	0	0	1	0	0	0	0	0	0	0
caught in/between	3	2	1	2	2	1	1	1	2	7	2	2	2	4	1	0	0	1	0	1	0	3
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	1	0	0	0	0	0	0	0	0	1	0	0	0	1	0
contact to high/low-temperature	1	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	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	3	0	0
electric shock	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	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)	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
traffic accident (others)	0	0	0	0	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	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	5	7	3	3	5	2	5	2	3	7	5	5	3	6	3	1	2	2	1	5	1	4

Causal agents (middle) of fatal accidents in pulp/paper 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	0	0
power transmission mechanism	0	0	1	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	0	0	0	0	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	1	1	0	3	2	1	2	2	1	6	1	0	0	4	1	0	0	1	0	1	0	1
mobile silviculture machine																	0	0	0	0	0	0
crane	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
conveying machine	1	1	1	0	1	1	1	0	2	1	2	2	2	1	1	1	0	0	0	0	0	1
vehicle	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
pressure vessel	0	0	0	0	0	0	0	0	0	0	0	1	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	1	0	0	0	0	0	0	0
human power machine, tools	0	0	0	0	0	0	0	0	0	0	0	0	0	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	1	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	1	0
temporary buildings, establishments	1	1	0	0	2	0	1	0	0	0	2	0	0	1	0	0	0	0	0	0	0	1
hazards, harmful substances	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	3	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	2	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	1	0	0
natural environment	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
other causal agent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
no causal agent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	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	5	7	3	3	5	2	5	2	3	7	5	5	3	6	3	1	2	2	1	5	1	4

Causal agents (small) of fatal accidents in pulp/paper 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	0	0	0	0
power transmission mechanism	0	0	1	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	0	0	0	0	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	0	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	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
roll machine (except printingroll machine)	0	1	0	1	1	0	1	0	0	5	0	0	0	3	1	0	0	1	0	0	0	1
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	1	0	0	1	1	1	1	2	1	1	1	0	0	1	0	0	0	0	0	1	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	1	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	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
forklift	0	0	0	0	0	0	1	0	0	1	1	0	0	1	1	1	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	1	1	0	0	1	0	0	0	2	0	1	1	0	0	0	0	0	0	0	0	0	1
loader	0	0	1	0	0	1	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	1	2	0	0	0	0	0	0	0	0	0
cars, bus, motorcycle	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
railway vehicle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	1	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	1	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	0	0	0	0	0	0	0	0	0	0
human power hauling 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	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	1	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	1	0
scaffolding	0	0	0	0	0	0	0	0	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	1	0	0	0	0	0	0	0	0	0	0	0
opening	1	0	0	0	1	0	1	0	0	0	0	0	0	1	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	1	0	0	0	0	0	0	0	0	0	0	0
passage	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
building, establishment	0	1	0	0	0	0	0	0	0	0	0	0	0	0	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	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	3	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	2	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	1	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	1	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	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other environments	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
no causal agent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	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	5	7	3	3	5	2	5	2	3	7	5	5	3	6	3	1	2	2	1	5	1	4

Workers age of fatal accidents in pulp/paper 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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20-29	0	0	0	2	1	0	0	0	0	1	1	0	0	2	0	1	0	0	0	2	0	1
30-39	0	2	1	0	2	0	2	1	1	2	0	2	0	2	2	0	0	0	0	0	0	0
40-49	2	2	1	0	0	1	3	1	1	1	0	1	1	2	0	0	1	1	1	1	1	1
50-59	2	3	1	1	1	1	0	0	0	3	3	1	1	0	0	0	0	0	0	1	0	2
60 years old or more	1	0	0	0	1	0	0	0	1	0	1	1	1	0	1	0	1	1	0	1	0	0
total	5	7	3	3	5	2	5	2	3	7	5	5	3	6	3	1	2	2	1	5	1	4

Workers' number of workplace of fatal accidents in pulp/paper 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	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

10-29	0	1	1	1	2	0	1	0	0	1	0	0	2	1	0	0	0	0	0	1	0	0
30-49	1	1	1	0	1	0	1	2	1	0	3	0	0	0	1	1	0	0	0	0	0	1
50-99	2	1	0	0	0	1	1	0	0	2	0	1	0	2	0	0	0	1	0	3	0	1
100-299	0	1	1	2	1	1	1	0	1	2	0	3	0	3	1	0	1	1	0	1	1	1
300 workers or more	2	3	0	0	1	0	0	0	1	2	2	1	1	0	1	0	1	0	1	0	0	1
total	5	7	3	3	5	2	5	2	3	7	5	5	3	6	3	1	2	2	1	5	1	4

Month of fatal accidents in pulp/paper 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	1	0	1	1	0	0	1	0	0	2	0	1	0	0	1	0	0	1	0	0	0	0
February	1	0	0	0	1	0	1	0	0	2	0	0	0	0	0	0	1	0	0	0	0	0
March	1	2	0	0	1	1	0	0	1	0	1	1	1	0	0	0	0	0	0	0	0	0
April	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	1	0	0
May	0	0	1	0	0	0	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0
June	1	1	0	0	0	0	1	0	0	0	0	0	0	1	1	0	1	0	0	3	0	0
July	0	1	0	0	1	0	0	0	1	0	0	0	0	3	0	0	0	0	1	0	0	1
August	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1
September	0	1	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0
October	0	0	0	1	0	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0
November	0	2	1	0	2	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0
December	0	0	0	1	0	0	1	1	0	2	1	0	0	2	0	0	0	0	0	1	0	2
total	5	7	3	3	5	2	5	2	3	7	5	5	3	6	3	1	2	2	1	5	1	4

Prefecture of fatal accidents in pulp/paper 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	1	0	0	0	0	1	1	0	0	0	0	0	0	1	0	0	0	2	0	0	1	0
Aomori	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Iwate	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Miyagi	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fukushima	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0
Ibaraki	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Tochigi	0	0	0	0	0	1	0	0	0	0	1	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	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Chiba	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Tokyo	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kanagawa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Niigata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Toyama	0	1	0	0	0	0	0	1	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	3	0	0
Fukui	0	0	0	0	1	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	0	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	1	0	0	1	0	0	0	0	1	0	1	0	0	1	0	0	0	0	0	0	0
Shizuoka	0	2	2	2	2	0	1	0	0	3	3	2	1	1	1	1	1	0	0	1	0	0
Aichi	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	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	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Osaka	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hyogo	0	0	0	0	0	0	0	0	0	0	0	0	1	1	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Shimane	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Okayama	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hiroshima	0	0	0	1	1	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	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Tokushima	0	1	0	0	0	0	0	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	0
Ehime	0	0	0	0	0	0	1	0	1	1	1	0	0	1	0	0	0	0	0	0	0	1
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	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Saga	0	0	0	0	0	0	0	0	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	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1

Oita	1	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	0	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	5	7	3	3	5	2	5	2	3	7	5	5	3	6	3	1	2	2	1	5	1	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