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

pulp/paper processing products industry Code No.0106

Type of accidents in pulp/paper processing products 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	105	113	115	119	99	94	97	93	87	84	78	78	70	75	71	81	86	88	71	70	92	69
falling to same level	117	131	137	121	133	96	122	111	90	132	89	92	85	104	84	82	89	101	95	118	91	115
crash	54	70	58	50	49	52	52	45	31	28	33	31	36	30	25	31	33	33	33	31	40	30
struck by flying or falling object	60	63	59	52	39	49	36	33	37	42	24	38	32	35	24	16	30	23	28	29	20	23
collapse	25	23	22	22	23	19	30	19	25	21	14	15	8	9	19	13	14	15	5	11	12	12
crashed by	57	50	55	56	54	45	54	43	43	46	32	29	35	33	24	24	24	30	21	32	20	28
caught in/between	709	693	650	639	657	572	511	550	551	499	418	431	386	402	397	395	344	338	345	334	339	300
cut	87	94	87	87	87	79	72	71	70	63	47	53	58	55	42	48	48	47	42	42	44	35
injury to the sole of the foot	1	0	1	4	2	1	3	1	0	2	1	0	1	1	2	2	1	2	2	2	0	1

drown	0	0	0	-	0	-	0	1	0	0	0	0	3	0	0	0	1	0	0	0	1	0
contact to high/low-temperature	17	21	19	13	9	16	8	10	15	10	7	11	10	8	12	6	8	6	15	17	11	16
contact to harmful substance	5	7	5	10	6	7	5	6	5	5	3	7	1	1	3	4	3	3	7	5	7	1
electric shock	1	1	3	2	1	-	0	2	0	0	0	0	0	0	2	0	1	2	2	1	0	0
explosion	0	0	0	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
burst	1	0	1	2	0	-	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0
fire	0	0	1	1	2	-	0	0	1	0	0	1	0	0	0	1	0	1	0	0	0	0
traffic accident (public road)	7	7	13	11	4	6	5	6	11	6	4	11	5	7	8	4	4	7	4	2	5	10
traffic accident (others)	1	1	1	1	0	-	0	0	1	0	0	1	0	1	1	1	0	0	0	2	0	1
reaction to motion/improper motion	70	63	54	58	53	74	62	68	75	61	46	56	57	67	61	54	66	50	47	65	63	62
others	3	2	2	1	0	3	1	1	4	1	3	1	3	2	1	0	2	1	2	3	0	6
unclassifiable	4	1	0	2	1	1	1	1	0	3	1	1	0	1	0	1	1	0	1	1	0	0

total	1,324	1,340	1,283	1,252	1,219	1,117	1,060	1,062	1,048	1,003	800	856	790	831	776	763	755	747	721	766	745	709

Causal agents (middle) of industrial accidents in pulp/paper processing products 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	1	0	-	0	-	0	0	1	0	0	2	0	0	0	1	1	0	2	0	0	0
power transmission mechanism	26	23	22	27	22	27	26	21	14	18	12	4	21	17	13	13	16	9	11	15	12	12
woodworking machine	7	5	8	7	8	4	6	6	7	3	3	3	6	7	5	4	3	3	3	4	3	5
construction machine	2	1	2	-	0	1	1	1	1	0	1	3	0	2	0	1	0	0	0	0	0	2
metal manufacturing machine	44	30	29	18	22	11	14	20	13	10	10	17	17	11	9	12	7	13	9	7	12	8
general machine	642	649	582	599	589	535	473	480	503	460	377	378	332	361	357	348	318	317	310	309	291	267
mobile silviculture machine																	0	0	0	0	0	0

crane	7	12	20	17	16	10	10	12	8	7	8	5	4	9	6	3	4	4	5	6	6	5
conveying machine	161	174	161	148	167	134	137	129	138	132	121	105	95	92	90	94	86	109	88	94	111	99
vehicle	6	8	14	11	4	7	1	8	10	7	3	12	5	6	9	5	8	9	2	4	2	10
pressure vessel	0	2	2	-	3	1	1	0	5	1	0	1	1	1	0	0	0	1	1	1	0	0
chemical facilities	2	1	0	1	0	1	1	0	0	0	0	0	0	1	0	0	0	0	3	1	0	1
welding equipment	0	0	0	-	0	-	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
kiln, caldron	2	1	1	1	0	1	1	1	1	1	1	0	0	1	0	0	0	0	0	1	0	3
electric equipment	0	1	3	2	3	1	3	1	1	0	0	1	1	0	6	1	1	1	0	2	1	0
human power machine, tools	29	36	45	37	43	46	37	34	34	31	24	32	25	36	24	23	25	28	20	17	27	26
tools	66	57	64	60	54	42	50	66	49	69	45	48	48	41	50	39	43	49	47	46	48	55
other equipments, facilities	17	26	22	18	18	23	18	14	18	17	9	18	15	21	9	16	11	9	19	19	19	9
temporary buildings,	147	140	140	147	127	121	122	110	96	118	87	100	103	103	79	109	108	107	100	109	108	104

establishments																						
hazards, harmful substances	11	7	13	12	9	7	7	7	6	6	3	10	5	1	6	5	3	6	9	5	7	3
materials	45	67	41	53	54	55	50	60	51	38	31	40	31	35	31	18	37	25	29	33	26	20
load	65	60	74	62	52	59	62	50	57	47	33	53	45	51	43	35	42	34	38	43	40	38
natural environment	7	2	12	5	3	6	6	9	5	4	3	11	10	8	9	12	10	5	7	13	11	13
other causal agent	8	7	7	4	4	6	6	8	4	7	5	2	4	5	3	3	0	0	3	5	4	5
no causal agent	25	27	20	21	20	19	27	24	26	24	23	9	22	20	24	20	29	18	15	30	17	24
unclassifiable	5	3	1	2	1	-	1	1	0	3	1	2	0	2	2	1	3	0	0	2	0	0
total	1,324	1,340	1,283	1,252	1,219	1,117	1,060	1,062	1,048	1,003	800	856	790	831	776	763	755	747	721	766	745	709

Causal agents (small) of industrial accidents in pulp/paper processing products 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	2	0	0	0	1	1	0	2	0	0	0
power transmission mechanism			22		22		26	21	14	18	12	4	21	17	13	13	16	9	11	15	12	12
circular sawing																						

machine			6		5		5	5	6	2	2	3	3	5	3	4	3	2	2	3	1	5
band sawing machine			0		1		0	0	0	0	0	0	2	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			1		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			1		2		1	1	1	1	1	0	1	2	2	0	0	1	1	1	2	0
leveling, transporting or loading machine			2		0		0	0	1	0	1	2	0	2	0	1	0	0	0	0	0	2
excavating machine			0		0		1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0
foundation work			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

machine																						
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			1		1		1	0	1	0	1	1	0	1	0	0	0	2	1	0	0	0
drill press, milling machine			0		0		1	2	0	1	0	2	1	0	0	0	0	0	0	0	0	0
grinding machine, buffing machine			2		2		1	1	0	1	1	1	0	1	2	0	0	0	0	1	2	0
power press			8		3		1	3	4	1	2	2	5	2	3	4	1	3	1	0	2	4
forging pressure hammer			1		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
shearing machine			10		11		5	8	6	4	4	7	8	6	4	5	6	5	5	4	5	4
other metal manufacturing machines			7		5		5	6	2	3	2	4	3	1	0	3	0	3	2	2	3	0
centrifugal machine			0		0		0	2	0	2	0	0	1	0	0	0	0	0	0	0	0	0

mixer, grinder			8		6		1	4	1	4	2	0	1	4	5	3	1	1	2	2	3	2
roll machine (except printingroll machine)			116		118		132	98	100	96	79	88	56	83	72	83	70	74	72	56	60	58
injection molding machine			2		3		2	1	3	0	1	1	0	0	0	1	0	0	0	1	1	0
food manufacturing machine			2		0		0	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0
printing machine			67		76		59	74	73	61	48	52	48	65	60	52	41	40	52	42	38	26
industrial robot			0		0		1	2	1	1	3	2	0	1	0	0	0	1	0	1	0	1
other general power machines			387		386		278	298	325	293	244	235	226	208	220	209	206	201	184	207	189	180
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			6		5		4	5	2	2	4	4	4	4	3	0	4	1	2	5	4	0

mobile crane			0		0		0	0	0	0	0	0	0	2	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			10		8		5	5	6	4	2	0	0	2	0	2	0	0	3	1	2	3
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	1	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		3		1	1	0	1	2	1	0	1	3	1	0	3	0	0	0	2
truck			26		25		26	26	23	25	17	19	13	20	21	13	23	29	25	32	28	27
forklift			68		83		61	55	70	61	53	42	46	44	34	49	43	41	35	31	52	40
railway equipment			0		0		0	1	0	2	1	0	1	0	0	0	0	0	0	1	0	1
conveyor			57		52		40	43	37	43	40	36	29	25	35	29	15	35	25	23	26	25
loader			3		2		1	0	0	0	1	2	1	0	0	1	1	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			7		5		9	4	8	1	9	6	5	3	0	2	4	4	3	7	5	5
cars, bus, motorcycle			14		4		1	8	10	6	3	12	5	6	9	4	8	9	2	4	2	9
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	1	0	0	0	0	0	1	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			2		2		1	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0
other pressure vessels			0		1		0	0	1	0	0	0	1	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	3	1	0	1
gas welding equipment			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
other welding equipment			0		0		0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
kiln, caldron			1		0		1	1	1	1	1	0	0	0	0	0	0	0	0	1	0	1
industrial dryer			0		0		0	0	0	0	0	0	0	1	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			2		2		2	1	0	0	0	0	0	0	1	1	0	1	0	0	1	0
electric power facilities			0		1		0	0	1	0	0	0	0	0	3	0	0	0	0	1	0	0
other electrical equipment			1		0		1	0	0	0	0	1	1	0	2	0	1	0	0	1	0	0
human power cranes			0		0		1	0	0	1	1	1	1	0	0	1	0	0	1	1	2	0
human power hauling equipment			15		19		17	14	18	13	13	15	13	19	8	10	13	16	9	9	16	12
human power machine			5		1		1	1	1	2	2	1	0	3	1	0	1	1	1	1	2	2
hand tool			25		23		18	19	15	15	8	15	11	14	15	12	11	11	9	6	7	12
ladder			26		26		22	23	19	21	18	17	21	19	24	21	25	17	20	18	21	15
slinging tool			1		0		0	2	1	5	1	1	0	0	1	0	1	4	0	0	0	1
other tools			37		28		28	41	29	43	26	30	27	22	25	18	17	28	27	28	27	39
other equipment, facilities			22		18		18	14	18	17	9	18	15	21	9	16	11	9	19	19	19	9
scaffolding			2		3		2	0	1	0	3	1	0	1	0	3	0	0	1	0	3	0
timbering			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
stairs, landing stage			32		26		23	26	22	24	18	23	25	13	14	28	23	17	18	17	25	28

opening			0		1		2	2	2	2	4	2	2	4	0	2	3	2	1	1	1	2
roof, beam, haze, crossbeam, principal rafter			3		1		2	1	2	1	3	1	0	0	1	1	0	2	2	2	1	2
working platform, boot board			33		26		28	29	19	17	15	21	12	18	17	15	32	19	15	11	16	12
passage			44		49		42	27	26	56	36	39	36	46	32	32	33	42	42	58	46	41
building, establishment			13		12		16	18	13	10	3	9	12	11	10	11	11	9	10	11	9	6
other temporary buildings, establishments			13		9		7	7	11	8	5	4	16	10	5	17	6	16	11	9	7	13
explosive substance			1		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
inflammable substance			2		1		0	1	0	1	0	1	0	0	3	1	0	0	0	0	0	0
inflammable gas			0		0		0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	1
harmful substance			5		2		2	5	3	1	0	6	1	1	3	3	2	3	6	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			5		6		5	1	3	4	3	3	3	0	0	1	1	2	3	0	7	2

metal material			13		16		12	16	17	8	9	20	9	10	8	4	10	8	8	8	5	6
lumber, bamboo			8		6		4	4	6	4	0	1	3	4	3	1	2	6	5	4	2	2
stone, sand, substance			0		0		2	0	1	0	0	0	0	1	0	0	1	0	0	1	0	0
other materials			20		32		32	40	27	26	22	19	19	20	20	13	24	11	16	20	19	12
load			69		47		62	45	54	44	33	47	41	49	41	33	42	33	36	40	40	38
machine/equipment as load			5		5		0	5	3	3	0	6	4	2	2	2	0	1	2	3	0	0
natural ground, rock			1		1		1	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0
standing tree			0		0		0	0	0	0	0	0	1	0	0	1	0	0	0	0	1	0
water			1		0		0	0	0	0	0	0	3	0	0	1	2	0	0	1	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			2		1		0	3	4	1	2	8	2	4	4	3	5	3	4	9	6	10
other environments			8		1		5	6	1	3	1	3	4	4	4	7	3	1	3	3	3	1
other causal agent			7		4		6	8	4	7	5	2	4	5	3	3	0	0	3	5	4	5
no causal agent			20		20		27	24	26	24	23	9	22	20	24	20	29	18	15	30	17	24

unclassifiable			1		1		1	1	0	3	1	2	0	2	2	1	3	0	0	2	0	0
total			1,283		1,219		1,060	1,062	1,048	1,003	800	856	790	831	776	763	755	747	721	766	745	709

Workers age of industrial accidents in pulp/paper processing products 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	46	54	49	47	40	33	43	24	31	21	22	25	25	19	21	29	15	21	26	19	25	14
20-29	303	320	300	254	267	239	202	211	203	185	143	151	134	140	128	135	120	122	125	114	118	97
30-39	217	264	229	264	265	247	257	275	256	242	181	197	191	199	191	173	165	164	127	174	153	121
40-49	269	239	233	232	225	194	178	210	209	212	175	179	185	191	179	172	190	178	198	191	159	175
50-59	382	337	351	336	302	290	253	232	226	205	173	197	156	166	146	141	145	160	131	155	174	168
60 years old or more	107	126	121	119	120	114	127	110	123	138	106	107	99	116	111	113	120	102	114	113	116	134
total	1,324	1,340	1,283	1,252	1,219	1,117	1,060	1,062	1,048	1,003	800	856	790	831	776	763	755	747	721	766	745	709

Workers' number of workplace of industrial accidents in pulp/paper processing products 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	190	204	188	193	197	195	161	134	154	124	100	103	102	104	111	90	100	82	81	88	60	66

10-29	388	373	391	374	376	324	334	323	317	306	253	252	194	243	240	241	205	211	199	209	201	182
30-49	245	279	250	239	250	217	215	224	196	161	143	181	149	157	141	148	151	155	147	144	156	143
50-99	248	242	236	234	224	178	165	190	204	215	144	152	164	169	146	142	139	149	139	165	168	156
100-299	182	174	173	166	142	161	157	160	135	165	140	140	154	135	119	120	135	135	122	135	124	132
300 workers or more	71	68	45	46	30	42	28	31	42	32	20	28	27	23	19	22	25	15	33	25	36	30
total	1,324	1,340	1,283	1,252	1,219	1,117	1,060	1,062	1,048	1,003	800	856	790	831	776	763	755	747	721	766	745	709

Month of industrial accidents in pulp/paper processing products 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	126	107	113	111	105	117	97	97	84	85	80	95	60	77	59	71	51	74	58	58	63	64
February	103	110	102	90	113	92	79	94	94	93	58	64	54	69	69	60	54	65	59	69	56	47
March	113	133	128	97	118	97	95	84	99	88	70	77	72	72	73	67	61	73	52	71	66	60
April	109	109	111	98	98	91	59	86	78	82	66	73	73	79	51	71	71	53	70	63	48	64
May	114	108	106	99	91	87	88	80	88	83	65	63	64	64	61	56	59	53	48	51	69	65
June	103	121	112	98	115	97	95	89	101	84	59	58	85	67	69	64	64	46	65	67	54	51
July	111	96	119	123	106	88	89	96	96	89	75	61	58	81	46	75	69	68	64	71	62	66
August	101	111	97	105	89	88	109	99	86	59	64	81	64	68	63	64	62	66	57	73	62	61

September	129	114	120	113	106	92	78	86	87	75	61	74	75	57	61	52	69	58	56	44	74	51
October	116	118	95	102	95	102	103	71	92	106	77	74	71	62	80	57	67	71	65	74	74	57
November	100	103	84	112	92	82	85	106	71	87	55	71	58	65	65	52	66	58	66	60	59	54
December	99	110	96	104	91	84	83	74	72	72	70	65	56	70	79	74	62	62	61	65	58	69
total	1,324	1,340	1,283	1,252	1,219	1,117	1,060	1,062	1,048	1,003	800	856	790	831	776	763	755	747	721	766	745	709

Prefecture of industrial accidents in pulp/paper processing products 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	34	31	29		15		20	22	23	18	21	13	15	20	21	10	22	20	14	14	18	20
Aomori	4	2	6		4		1	3	4	7	1	2	9	3	4	7	1	4	6	5	2	4
Iwate	4	9	5		9		3	6	7	7	2	11	5	6	8	9	3	2	5	4	4	4
Miyagi	20	18	11		15		6	14	10	12	6	7	9	5	7	8	5	4	6	5	5	5
Akita	4	3	5		6		1	2	2	0	0	2	1	3	1	0	5	4	0	4	3	3
Yamagata	15	7	13		5		4	4	8	2	5	6	4	4	7	5	2	5	2	4	6	3
Fukushima	13	23	16		12		9	18	17	13	7	15	11	17	10	9	13	15	9	7	11	6
Ibaraki	31	43	25		25		25	24	31	33	24	21	23	22	19	20	25	19	14	28	18	16
Tochigi	24	22	21		25		21	21	15	26	21	17	17	20	19	17	20	16	18	19	13	19
Gunma	22	17	12		17		20	18	13	9	13	14	13	13	10	13	14	13	7	15	12	11

Saitama	74	109	84		95		80	85	90	83	57	78	49	76	71	51	54	77	54	56	75	59
Chiba	40	36	42		19		21	27	21	24	23	20	22	17	19	18	13	15	16	13	12	12
Tokyo	42	43	40		45		32	33	31	32	25	31	27	20	22	17	19	14	20	18	13	14
Kanagawa	48	42	33		54		48	38	28	38	17	28	22	40	25	23	20	32	31	16	17	17
Niigata	17	18	17		17		9	14	7	16	13	14	11	12	11	11	15	10	17	12	12	14
Toyama	17	13	12		19		9	18	18	9	12	14	14	12	12	5	14	8	11	4	10	8
Ishikawa	6	12	11		10		7	13	3	7	6	7	7	4	5	5	4	5	2	11	8	6
Fukui	16	9	23		11		12	16	8	6	10	11	7	6	12	9	7	10	3	9	7	5
Yamanashi	20	11	17		8		11	17	5	5	1	3	5	8	4	8	5	6	4	3	2	4
Nagano	11	9	15		11		9	14	8	9	12	5	6	6	12	9	9	8	3	8	8	10
Gifu	61	61	52		55		44	33	38	45	30	34	27	36	25	28	32	31	32	35	28	36
Shizuoka	174	162	170		156		137	132	109	137	101	105	71	91	74	92	102	88	85	86	95	93
Aichi	92	82	73		77		59	55	68	54	48	69	61	58	38	47	56	50	63	60	53	40
Mie	14	15	17		20		20	18	16	19	9	13	7	10	14	8	7	5	9	10	18	6
Shiga	9	18	19		25		16	26	23	17	20	17	13	14	13	17	11	10	9	11	12	14
Kyoto	16	30	29		25		18	16	28	20	17	12	23	20	19	18	10	12	21	15	15	8
Osaka	117	111	141		100		103	83	97	84	71	63	76	73	65	61	62	58	59	61	45	49
Hyogo	58	57	44		54		43	44	48	38	33	31	37	38	31	42	37	33	26	41	44	31
Nara	8	9	13		16		6	16	17	22	13	15	9	9	10	7	16	13	11	11	19	11

Wakayama	5	8	4		7		5	8	4	5	10	2	3	4	4	6	5	4	6	9	2	7
Tottori	8	7	5		4		4	2	6	5	6	3	2	4	5	5	3	3	3	6	7	11
Shimane	8	6	3		2		2	2	3	6	0	1	1	1	1	4	2	0	2	3	1	3
Okayama	13	18	12		23		19	12	19	14	11	18	14	20	13	17	7	12	10	10	11	14
Hiroshima	18	20	28		12		23	13	18	12	22	10	10	11	20	14	11	8	8	17	12	7
Yamaguchi	13	12	7		12		10	10	7	6	4	7	6	7	2	6	3	2	3	8	5	3
Tokushima	12	26	15		14		7	6	13	9	5	7	7	8	6	6	6	5	9	5	9	8
Kagawa	28	37	29		38		38	23	38	22	17	18	26	18	23	23	16	10	19	14	16	18
Ehime	86	77	83		72		77	68	68	64	56	46	59	49	58	59	48	50	48	48	51	50
Kochi	47	39	35		33		23	22	24	17	15	19	17	12	10	15	12	28	17	14	5	16
Fukuoka	28	32	24		25		35	23	26	24	16	13	22	16	20	14	14	18	15	23	22	15
Saga	17	8	6		5		4	12	3	13	5	12	9	6	7	5	6	7	7	5	5	15
Nagasaki	6	6	5		2		1	4	1	1	0	4	1	1	2	2	1	2	2	1	2	0
Kumamoto	9	6	10		8		7	12	12	4	4	5	2	4	3	5	7	4	6	7	6	6
Oita	5	5	7		4		3	6	5	1	1	4	4	2	3	3	5	1	4	5	2	2
Miyazaki	2	5	6		2		4	2	5	4	5	4	4	2	4	2	3	1	2	1	1	2
Kagoshima	7	4	7		3		3	5	3	4	4	1	1	2	2	2	2	3	2	2	3	2
Okinawa	1	2	2		3		1	2	0	0	1	4	1	1	5	1	1	2	1	3	0	2
total	1,324	1,340	1,283		1,219		1,060	1,062	1,048	1,003	800	856	790	831	776	763	755	747	721	766	745	709

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 processing products in Japan in 1999-2020

pulp/paper processing products industry Code No.0106

Type of fatal accidents in pulp/paper processing products 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	2	0	2	1	3	1	2	0	2	0	2	3	1	2	1	1	1	0	2	0	2	0
falling to same level	0	0	0	0	0	0	0	0	0	0	0	0	2	1	1	1	1	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 falling object	0	0	0	0	2	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0
collapse	0	3	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	2	0	1	0	0

crashed by	0	0	2	1	0	1	2	0	1	0	1	0	0	0	1	0	0	1	0	0	1	0
caught in/between	7	5	7	9	5	5	3	3	3	9	4	5	3	5	3	4	0	2	1	2	2	6
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	3	0	0	0	1	0	0	0	1	0
contact to high/low-temperature	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1
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	1	0	0	0
explosion	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
burst	1	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	1	2	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

motion																						
others	0	0	0	0	0	0	0	0	0	1	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	12	11	13	11	10	8	8	6	7	10	7	9	10	8	7	6	4	6	5	6	8	8

Causal agents (middle) of fatal accidents in pulp/paper processing products 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	1	1	1	0	0	0	0	0	0	0	1	0	0	0	1	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	3	3	3	8	5	5	4	4	2	7	3	2	1	4	3	2	0	2	2	1	2	3
mobile silviculture machine																	0	0	0	0	0	0
crane	0	1	0	1	1	0	1	0	0	0	0	0	0	2	0	1	0	0	1	0	1	0

conveying machine	5	1	5	0	1	2	1	0	3	2	2	2	3	1	2	2	1	1	0	1	1	2
vehicle	0	1	2	0	0	0	0	2	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	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1	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	2	1	0	0	2	0	1	0	1	0	2	1	1	1	0	0	1	0	1	0	2	1
hazards, harmful substances	0	1	1	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	1	0	0	0	0
load	0	2	0	0	1	1	0	0	0	0	0	0	1	0	1	0	0	1	0	1	0	0
natural environment	1	0	0	0	0	0	0	0	1	0	0	0	3	0	0	0	1	0	0	0	1	1
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	1	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	12	11	13	11	10	8	8	6	7	10	7	9	10	8	7	6	4	6	5	6	8	8

Causal agents (small) of fatal accidents in pulp/paper processing products 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	1	1	1	0	0	0	0	0	0	0	1	0	0	0	1	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	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0
roll machine (except printingroll machine)	0	2	1	1	1	1	2	0	0	6	0	0	0	3	1	1	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	1	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	3	1	2	6	3	3	2	3	2	1	3	2	1	1	2	1	0	1	2	1	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	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	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	1	1	0	1	0	0	0	0	0	0	2	0	1	0	0	1	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 cableway	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
truck	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
forklift	2	0	2	0	0	1	1	0	1	1	1	0	1	1	2	1	1	0	0	1	0	1
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	1	1	1	0	0	0	1	0	1	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	1	0	2	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0
cars, bus, motorcycle	0	1	2	0	0	0	0	2	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	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
slinging tool	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	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	1	0
opening	1	0	0	0	1	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0
roof, beam, haze, crossbeam, principal rafter	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0
working platform, boot board	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	0	0	0	0	0
passage	0	0	0	0	1	0	0	0	0	0	0	0	1	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	1	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	1	0	0	0	0
load	0	2	0	0	1	1	0	0	0	0	0	0	1	0	1	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	3	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	1	0	0	0	0	0	0	0	0	0	0	0	1	1
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	1	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	12	11	13	11	10	8	8	6	7	10	7	9	10	8	7	6	4	6	5	6	8	8

Workers age of fatal accidents in pulp/paper processing products 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	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20-29	2	0	1	5	1	0	1	1	1	3	1	2	0	2	0	3	1	0	1	2	0	1
30-39	1	2	2	1	3	2	2	1	2	2	0	2	1	2	2	1	0	1	0	0	0	0
40-49	4	3	4	2	0	1	4	3	3	1	0	2	2	2	1	1	1	2	3	1	4	1
50-59	4	4	5	2	3	3	0	1	0	3	4	1	3	0	0	1	0	1	1	2	1	5
60 years old or more	1	1	1	1	3	2	1	0	1	1	2	2	4	2	4	0	2	2	0	1	3	1
total	12	11	13	11	10	8	8	6	7	10	7	9	10	8	7	6	4	6	5	6	8	8

Workers' number of workplace of fatal accidents in pulp/paper processing products 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	1	2	0	1	1	1	1	1	0	0	0	0	0	2	2	0	0	1	0	0	0
10-29	3	1	2	4	4	3	2	1	3	1	0	1	5	2	0	1	1	1	1	1	2	0

30-49	2	4	4	0	3	0	2	4	1	1	4	1	1	1	1	1	0	0	1	0	0	1
50-99	2	1	2	4	0	1	2	0	0	3	1	2	1	2	2	0	1	2	0	3	2	2
100-299	2	1	3	2	1	3	1	0	1	3	0	3	2	3	1	2	1	3	1	2	4	4
300 workers or more	3	3	0	1	1	0	0	0	1	2	2	2	1	0	1	0	1	0	1	0	0	1
total	12	11	13	11	10	8	8	6	7	10	7	9	10	8	7	6	4	6	5	6	8	8

Month of fatal accidents in pulp/paper processing products 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	1	1	1	1	0	1	2	0	2	0	2	0	0	1	1	1	2	0	0	0	0
February	1	0	0	0	1	1	1	1	1	2	1	0	0	0	1	0	1	0	1	0	1	0
March	1	2	4	0	1	1	0	0	1	2	1	2	5	1	0	2	0	1	0	0	0	0
April	0	0	0	1	0	0	1	0	0	1	0	0	1	0	0	2	0	2	0	2	0	0
May	1	0	1	2	1	1	0	1	0	0	1	1	2	0	0	0	0	0	0	0	0	0
June	1	1	1	0	0	1	1	0	0	0	0	0	0	1	2	0	1	0	0	3	0	0
July	2	2	0	0	2	0	0	0	2	0	0	0	1	3	0	0	0	0	2	0	1	1
August	1	0	1	0	0	1	0	0	2	1	0	0	0	0	1	0	0	0	1	0	1	2
September	1	1	2	1	0	0	0	0	0	0	1	1	1	0	1	0	1	0	0	0	2	0
October	2	1	1	2	1	2	1	0	0	0	1	0	0	0	1	1	0	1	1	0	2	2

November	0	3	1	1	2	0	1	1	0	0	1	3	0	0	0	0	0	0	0	0	0	1
December	0	0	1	3	1	1	2	1	1	2	1	0	0	3	0	0	0	0	0	1	1	2
total	12	11	13	11	10	8	8	6	7	10	7	9	10	8	7	6	4	6	5	6	8	8

Prefecture of fatal accidents in pulp/paper processing products 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	3	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	1	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	1	0	0	1	0	0	1	0	0	3	0	1	0	0	0	0	0	0	0
Akita	0	0	1	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	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Tochigi	0	1	0	1	0	2	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0
Gunma	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Saitama	1	0	1	1	1	0	1	0	1	0	0	1	0	0	1	1	1	2	0	0	1	1
Chiba	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0

Tokyo	1	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Kanagawa	1	0	0	0	1	0	0	1	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	1
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	1	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	1	1	0	0	1	0	0	0	0	1	0	2	0	0	1	0	0	0	0	0	0	0
Shizuoka	1	3	2	2	3	1	1	0	1	3	3	2	1	1	1	2	2	1	0	1	0	0
Aichi	1	1	3	1	1	0	0	1	1	0	0	0	1	0	1	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	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Kyoto	0	0	2	0	1	0	0	1	0	2	0	0	1	0	0	0	0	0	0	0	1	0
Osaka	0	0	1	1	0	0	1	0	0	1	0	0	0	1	0	1	0	0	1	1	0	0
Hyogo	2	0	0	0	0	1	0	0	0	0	0	0	3	2	0	0	0	1	0	0	2	0
Nara	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	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	1	0	0	0	0	0	0	0	0	0	0	1

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	1	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	1	0	0	0
Kagawa	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Ehime	0	0	0	1	0	1	1	0	1	1	2	0	0	1	0	0	0	0	1	0	1	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	1
Nagasaki	0	0	0	0	0	0	0	0	0	0	0	1	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	1	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	1	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	12	11	13	11	10	8	8	6	7	10	7	9	10	8	7	6	4	6	5	6	8	8

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