printing/bookbinding industry Code No.0107

Type of accidents in printing/bookbinding in 1999-2021

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	2021	total	Type of accidents
fall from height	51	54	78	85	61	58	56	53	60	62	60	36	51	44	45	38	46	49	44	38	48	46	55	1,218	fall from height
falling to same level	97	97	109	71	87	99	79	106	86	79	95	70	72	90	83	90	69	73	80	90	68	83	74	1,947	falling to same level
crash	31	40	36	24	36	44	33	26	30	22	28	23	28	16	14	28	17	20	16	25	21	24	27	609	crash
struck by flying or falling object	31	34	23	32	20	36	36	27	25	24	25	21	18	16	16	23	19	14	12	22	16	7	17	514	struck by flying or falling object
collapse	7	15	10	10	9	9	9	11	11	11	10	9	7	7	11	5	9	11	4	10	12	8	10	215	collapse
crashed by	29	27	27	16	22	17	17	23	18	22	18	18	11	17	7	16	12	12	13	8	14	12	15	391	crashed by
caught in/between	589	593	516	520	456	466	449	410	368	389	340	312	302	259	258	261	237	208	215	214	184	197	183	7,926	caught in/between
cut	68	75	83	64	60	60	46	59	56	50	53	51	37	31	33	25	34	30	29	32	32	37	35	1,080	cut
injury to the sole of the foot			2	1	1					1						2		2				1		10	injury to the sole of the foot
drown							1						3											4	drown
contact to high/low- temperature	6	7	4	7	3	5	2	3	3	2	4	9	5	2	1	2		2	3	4	7	4	1	86	contact to high/low- temperature

contact to harmful																									contact to
substance	4		5	5	1	4	2	1	1	2	2	3	4	2	1	1	3		3	1	1	6	2	54	harmful
Substance																									substance
electric shock		2	2			1	1	1		2	1	1			1									12	electric shock
explosion					1								1											2	explosion
burst				1					2							1								4	burst
fire		1	2		1	1	1								2	1	1							10	fire
traffic accident	30	30	18	19	16	15	15	21	11	8	16	9	16	7	17	6	9	6	3	5	3	6	10	296	traffic accident
(public road)	30	30	10	19	10	13	13	21		0	10		16					6	3	3	3	6	10		(public road)
traffic accident	2			1						1	1										1			6	traffic accident
(others)																					ľ				(others)
reaction to																									reaction to
motion/improper	84	66	81	74	66	64	59	64	84	70	53	54	51	59	46	45	39	25	62	65	53	46	49	1,359	motion/improper
motion																									motion
others	3	1	1	1	3	3	3	3	1		2	1	4	2	1	1	6	1	5	1	3	10	16	72	others
unclassifiable	2	2	1	3	1	1	1	2	3	1				1		1				1	1			21	unclassifiable
total	1,034	1,044	998	934	844	883	810	810	759	746	708	617	610	553	536	546	501	453	489	516	464	487	494	15,836	total

Causal agents (large) of fatal and non-fatal accidents in printing/bookbinding in 1999-2021

Causal (L) agents	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021		Causal (L)
																								II .	agents
machine	627	610	552	551	475	509	455	429	413	408	380	344	320	276	273	264	235	226	218	224	192	214	202	8,397	machine
crane, conveying																									crane,

machine	90	98	72	85	80	73	87	78	60	80	66	46	55	53	47	44	65	32	48	41	32	29	44	1,405	conveying
macrime																									machine
ather equipment	85	87	119	79	81	87	79	86	77	67	70	74	64	56	60	69	53	60	53	55	67	68	68	1,664	other
other equipment	63	67	119		01	07	/ 9	80		67	/0	/4	04	30	00	09	33		33	33	67	08	08	1,004	equipment
tamanawa huildin as																									temporary
temporary buildings, establishments	102	102	113	96	97	100	93	99	97	86	95	65	74	93	80	88	76	82	86	94	83	80	89	2,070	buildings,
establishments																									establishments
substance, material	39	51	44	30	29	46	30	34	28	27	27	31	31	23	22	19	24	16	19	16	20	21	22	649	substance,
substance, material	39	J1		30	29	40	50	34	26	27	27	31	J 1	23			24				20	21		049	material
load	57	46	57	53	44	34	29	42	56	41	39	28	31	23	25	31	26	26	30	44	33	29	33	857	load
environment	2	6	8	7	3	2	2	5	1	4	7	6	7	2	4	6	3	4	2	10	7	10	4	112	environment
others	32	44	33	33	35	32	35	37	27	33	24	23	28	27	25	25	19	7	33	32	30	36	32	682	others
total	1,034	1,044	998	934	844	883	810	810	759	746	708	617	610	553	536	546	501	453	489	516	464	487	494	15,836	total

Causal agents (middle) of fatal and non-fatal accidents in printing/bookbinding in 1999-2021

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	2021	total	Causal (M)
																									agents
engine																									engine
power transmission																									power
mechanism	18	11	8	12	5	7	8	3	4	10	7	7	2	7	5	2	3	2	4	4	5	4	3	141	transmission
inceriariisiii																									mechanism
	2		6	2	2	3	1			2				2		1		1		1	2	1	1	33	woodworking
woodworking machine	2		0	2	3	3	'			2	4			2				I			3		I		machine
																									construction

construction machine													1							1				2	machine
metal manufacturing machine	43	28	24	15	29	19	23	26	30	17	18	23	17	7	8	17	19	12	10	12	5	15	12	429	metal manufacturing machine
general machine	564	571	514	522	438	480	423	400	379	379	351	314	300	260	260	244	213	211	204	206	178	194	186	7,791	general machine
mobile silviculture machine																					1			1	mobile silviculture machine
crane	5	5	7	3	5	8	8	1	7	4	7	4	1	4	3	3	4		2	2	2	4	3	92	crane
conveying machine	56	62	46	62	56	45	64	55	43	64	41	32	38	41	26	33	50	25	40	35	23	18	32	987	conveying machine
vehicle	29	31	19	20	19	20	15	22	10	12	18	10	16	8	18	8	11	7	6	4	7	7	9	326	vehicle
pressure vessel	1						1																	2	pressure vessel
chemical facilities																									chemical facilities
welding equipment			1			1	1									1				1				5	welding equipment
kiln, caldron	1	1	1	1	1	1														1		1	2	10	kiln, caldron
electric equipment	1		1	1			1	1			2	1					1		2	1	1		1	14	electric equipment
human power machine, tools	37	36	48	28	30	35	25	27	28	22	24	36	17	22	19	28	13	23	17	23	26	21	21	606	human power
tools	29	32	52	40	39	36	39	43	41	34	35	29	41	22	29	31	32	31	25	23	28	34	37	782	tools

other equipments,																									other
facilities	16	18	16	9	11	14	12	15	8	11	9	8	6	12	12	9	7	6	9	6	12	12	7	245	equipments,
lacinties																									facilities
to man a warm, buildings																									temporary
temporary buildings,	102	102	113	96	97	100	93	99	97	86	95	65	74	93	80	88	76	82	86	94	83	80	89	2,070	buildings,
establishments																									establishments
hannede hawaful																									hazards,
hazards, harmful	6	3	8	6	3	4	4	3	2	1	2	5	5	2	4	2	5		4	1	1	7	2	80	harmful
substances																									substances
materials	33	48	36	24	26	42	26	31	26	26	25	26	26	21	18	17	19	16	15	15	19	14	20	569	materials
load	57	46	57	53	44	34	29	42	56	41	39	28	31	23	25	31	26	26	30	44	33	29	33	857	load
																									natural
natural environment	2	6	8	7	3	2	2	5	1	4	7	6	7	2	4	6	3	4	2	10	7	10	4	112	environment
		4.2																						1.40	other causal
other causal agent	4	13	6	4	6	5	7	10	3	4	4			3	6	5	4	2	6	7	4	9	21	140	agent
	2.5	20	2.5	2.6		25					10				10	10	4.5							F16	no causal
no causal agent	25	28	26	26	29	25	27	26	22	28	19	22	21	22	18	19	15	5	26	25	24	27	11	516	agent
unclassifiable	3	3	1	3		2	1	1	2	1	1	1		2	1	1			1		2			26	unclassifiable
total	1,034	1,044	998	934	844	883	810	810	759	746	708	617	610	553	536	546	501	453	489	516	464	487	494	15,836	total

Causal agents (small) of fatal and non-fatal accidents in printing/bookbinding in 1999-2021

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	2021	total	Causal (S) agents
engine																									engine

power transmission		8	5	8	3	4	10	7	7	2	7	5	2	3	2	4	4	5	4	3	93	power transmission mechanism
circular sawing		4	2	1			2	3			2		1		1		1	2		1	20	circular sawing
band sawing machine																						band sawing machine
wood planer machine																		1	1		2	wood planer machine
hollow chisel mortiser, wood borer																						hollow chisel mortiser, wood borer
chamfering machine, router, woodworking milling machine																						chamfering machine, router, woodworking milling machine
chain saw			1																		1	chain saw
other woodworking machines		2						1													3	other woodworking machines
leveling, transporting or loading machine																						leveling, transporting or loading machine
excavating machine																						excavating machine
foundation work machine																						foundation work machine
hardening machine																						hardening machine

						1	1	1	1		1			1	1	1	1			1		
demolition machine																						demolition machine
vehicle for high lift										1							1				2	vehicle for high lift
work																	<u> </u>				II—	work
other construction																						other construction
machines																						machines
lathe		1		1	1	1						1		1			1				7	lathe
drill press, milling		1					1							1							3	drill press, milling
machine		1																			3	machine
grinding machine,		2	3			1	1			1				2			2		1		13	grinding machine,
buffing machine																						buffing machine
power press			3	3	6	4	2	1	3	3		1	2	2		1	1		1	2	35	power press
forging pressure																						forging pressure
hammer																						hammer
shearing machine		12	17	16	15	19	11	14	17	12	5	6	13	12	12	8	4	5	13	9	220	shearing machine
other metal																						other metal
manufacturing		8	6	3	4	5	2	3	3	1	2		2	1		1	4			1	46	manufacturing
machines																						machines
centrifugal machine						1														1	2	centrifugal machine
mixer, grinder		1	1	1				1			2								1	1	8	mixer, grinder
roll machine (except																						roll machine (except
printingroll		14	8	16	11	14	13	17	15	15	10	11	11	8	10	13	11	7	8	11	223	printingroll
machine)																						machine)
injection molding		1			1			1									1	1	1		6	injection molding
machine					'			'									'	'	'			machine

food manufacturing machine				1	2			1			2	1						1			8	food manufacturing machine
printing machine		387	319	312	287	273	282	250	220	217	185	179	177	142	150	135	120	113	130	132	4,010	printing machine
industrial robot						1				2	1						1				5	industrial robot
other general power machines		111	110	93	99	90	84	81	79	66	60	69	56	63	51	56	73	56	54	41	1,392	other general power machines
felling machine																		1			1	felling machine
mobile logging machine																						mobile logging machine
skyline yarding machine																						skyline yarding machine
other mobile silviculture machine																						other mobile silviculture machine
crane		3		2				1			1	1		1			1			1	11	crane
mobile crane																1					1	mobile crane
derrick crane																						derrick crane
elevator, lift		4	4	6	1	6	4	5	2		3	1	2	2		1	1	2	2	1	47	elevator, lift
cargo lifting appliance																						cargo lifting appliance
gondola																						gondola
lumberyard equipment, logging cableway																						equipment, logging cableway
simple skyline																						simple skyline

yarding equipment																						yarding equipment
other powered crane			1			1		1	2	1		1	1	1					2	1	12	other powered crane
truck		11	6	6	6	9	7	6	3	10	9	6	4	11	4	3	4	5	3	4	117	truck
forklift		22	30	40	27	26	41	26	21	16	22	15	19	26	15	22	20	16	10	20	434	forklift
railway equipment					1					1			1								3	railway equipment
conveyor		9	16	11	14	6	12	6	2	8	4	4	6	10	4	9	8	1	5	6	141	conveyor
loader																						loader
straddle carrier																						straddle carrier
rough terrain hauler																						rough terrain hauler
other powered conveying machines		4	4	7	7	2	4	3	6	3	6	1	3	3	2	6	3	1		2	67	other powered conveying machines
cars, bus, motorcycle		19	17	14	21	10	12	18	10	15	8	17	7	10	6	6	4	7	7	9	217	cars, bus, motorcycle
railway vehicle																						railway vehicle
other vehicles			2	1	1					1		1	1	1	1						9	other vehicles
boiler																						boiler
pressure vessel																						pressure vessel
other pressure vessels				1																	1	other pressure vessels
chemical facilities																						chemical facilities
gas welding equipment																	1				1	gas welding equipment
arc welding																						arc welding

equipment				1																	1	equipment
other welding equipment		1											1								2	other welding equipment
kiln, caldron		1	1																	1	3	kiln, caldron
industrial dryer																			1	1	2	industrial dryer
other kiln, caldron																	1				1	other kiln, caldron
transmission				1	1			2						1		1		1		1	8	transmission
electric power facilities																	1				1	electric power facilities
other electrical equipment		1							1							1					3	other electrical equipment
human power cranes						1								1			1	2		4	9	human power cranes
human power hauling equipment		23	12	13	12	15	16	16	25	10	14	11	13	6	16	8	16	17	10	13	266	human power hauling equipment
human power machine		4	2		1		1	3	2	2	1	1	5			4			1		27	human power machine
hand tool		21	16	12	14	12	5	5	9	5	7	7	10	6	7	5	6	7	10	4	168	hand tool
ladder		18	21	14	18	20	13	17	12	19	9	15	12	11	15	9	3	8	14	13	261	ladder
slinging tool		1		1		1			1								1				5	slinging tool
other tools		33	18	24	25	20	21	18	16	22	13	14	19	21	16	16	19	20	20	24	379	other tools
other equipment,		16	11	12	15	8	11	9	8	6	12	12	9	7	6	9	6	12	12	7	188	other equipment,
scaffolding						1		1			2		1	1				1			7	scaffolding

			 		<u> </u>			<u> </u>		<u> </u>		<u> </u>										
timbering																						timbering
stairs, landing stage		32	30	27	33	33	28	35	16	24	24	18	20	29	20	27	25	29	31	33	514	stairs, landing stage
opening				2	2		2	3			2	1		1	1	2	1			4	21	opening
roof, beam, haze,																						roof, beam, haze,
crossbeam,		2				2					2		1	2	1	2			2	1	15	crossbeam,
principal rafter																						principal rafter
working platform,		21	1.4	11	1,4	12	12	7		11	1.4	11		10	12	12	14				209	working platform,
boot board		21	14	11	14	12	13		5	11	14	11	9	10	12	12	14	8	5	6		boot board
passage		34	30	35	35	33	26	33	33	25	33	37	37	25	37	30	34	28	28	32	605	passage
building,		12	1.0	12		7	12						10						7	10	1.66	building,
establishment		13	16	12	7	/	12	9	8	8	8	8	10	4	6	5	8	8	/	10	166	establishment
other temporary																						other temporary
buildings,		11	7	6	8	9	5	7	3	6	8	5	10	4	5	8	12	9	7	3	133	buildings,
establishments																						establishments
explosive substance																						explosive substance
inflammable			_	_												1						inflammable
substance		2	ı	2	3	I			2	I				2		I					16	substance
inflammable gas						1															1	inflammable gas
harmful substance		2		1			1	1	2	3	1	2	2	2		2	1	1	1	1	23	harmful substance
radiation																						radiation
other hazards,				1				1		1	1					1					21	other hazards,
harmful substances		4	2	I						I						I			6	I	21	harmful substances
metal material		10	10	9	11	7	10	8	8	14	8	5	6	6	7	5	7	5	7	5	148	metal material
lumber, bamboo		4	1		3	2	4		3		2	2	1				1				23	lumber, bamboo

							IL				IL											
stone, sand, substance					2	1				1											4	stone, sand, substance
other materials	2	22	15	17	15	16	12	17	15	11	11	11	10	13	9	10	7	14	7	15	247	other materials
load	5	53	41	26	39	53	37	36	25	30	21	23	30	22	24	28	41	33	27	32	621	load
machine/equipment as load	2	4	3	3	3	3	4	3	3	1	2	2	1	4	2	2	3		2	1	46	machine/equipment as load
natural ground,		1		1		1	1	1										1			6	natural ground,
standing tree										1									1		2	standing tree
water					1					4											5	water
abnormal environment									1								1				2	abnormal environment
high/cold temperature environment		2						2	2		1		1		1		3	5	3		20	high/cold temperature environment
other environments	5	5	3	1	4		3	4	3	2	1	4	5	3	3	2	6	1	6	4	60	other environments
other causal agent	(6	6	7	10	3	4	4		7	3	6	5	4	2	6	7	4	9	21	114	other causal agent
no causal agent		26	29	27	26	22	28	19	22	21	22	18	19	15	5	26	25	24	27	11	412	no causal agent
unclassifiable		1		1	1	2	1	1	1		2	1	1			1		2			15	unclassifiable
total	٥	998	844	810	810	759	746	708	617	610	553	536	546	501	453	489	516	464	487	494	11,941	total

Workers age of fatal and non-fatal accidents in printing/bookbinding in 1999-2021

Age	1999 2000 200	01 2002 2003 2004 200	5 2006 2007 2008 2009		3 2014 2015 2016 2017	2018 2019 2020 2021	total Age
Age	1999 2000 200	1 2002 2003 2004 200	3 2000 2007 2008 2009	9 2010 2011 2012 2013	3 2014 2013 2010 2017	2010 2019 2020 2021	iotai Age

19 years old or less	53	39	37	29	32	31	35	23	29	26	12	25	22	19	18	22	13	9	11	11	9	15	13	533	19 years old or less
20-29	295	311	308	262	240	232	221	230	176	176	149	111	134	101	98	88	96	74	97	86	75	67	81	3,708	20-29
30-39	198	193	218	207	173	227	195	189	181	212	201	177	156	145	116	145	107	87	101	96	74	87	81	3,566	30-39
40-49	188	174	168	151	119	142	112	137	145	133	121	120	129	119	123	127	114	138	129	135	134	126	119	3,103	40-49
50-59	229	250	208	199	193	167	171	145	157	120	126	99	95	105	107	98	103	89	96	115	100	112	118	3,202	50-59
60 years old or	71	77	59	86	87	84	76	86	71	79	99	85	74	64	74	66	68	56	55	73	72	80	82	1,724	60 years old or
more					07				, ,												, 2			'	more
total	1,034	1,044	998	934	844	883	810	810	759	746	708	617	610	553	536	546	501	453	489	516	464	487	494	15,836	total

Workers' number of workplace of fatal and non-fatal accidents in printing/bookbinding in 1999-2021

Workers scale	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Workers scale
9 workers or less	207	188	184	189	157	151	130	122	121	114	107	89	86	71	83	72	77	62	54	50	43	50	53	2,460	9 workers or less
10-29	268	286	283	258	228	224	211	195	190	190	185	165	157	126	122	130	104	99	103	109	108	102	102	3,945	10-29
30-49	156	165	128	132	119	130	116	145	118	123	118	113	119	102	91	90	82	76	86	83	91	85	76	2,544	30-49
50-99	150	179	173	149	136	171	144	152	143	143	106	109	105	112	101	102	93	89	105	109	91	112	108	2,882	50-99
100-299	172	138	155	137	141	145	158	139	133	121	146	97	93	97	94	113	99	93	105	116	87	88	105	2,772	100-299
300 workers or	81	88	75	69	63	62	51	57	54	55	46	44	50	45	45	39	46	34	36	49	44	50	50	1,233	300 workers or
more	01	00			05	02		57	J-T						73		10	J-7						1,233	more
total	1,034	1,044	998	934	844	883	810	810	759	746	708	617	610	553	536	546	501	453	489	516	464	487	494	15,836	total

Month	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Month
January	82	64	68	72	70	70	65	75	56	60	60	51	55	48	42	35	45	42	41	46	39	40	46	1,272	January
February	90	104	71	83	71	68	72	61	64	58	47	56	43	50	43	42	49	47	40	43	40	33	48	1,323	February
March	98	100	73	85	75	92	68	69	86	60	63	64	68	59	39	65	47	24	49	59	45	47	53	1,488	March
April	88	74	101	70	76	66	78	75	86	69	67	53	50	44	37	47	42	34	43	40	40	43	42	1,365	April
May	74	84	85	93	73	70	56	77	66	61	49	48	55	36	39	45	37	37	25	39	37	39	43	1,268	May
June	93	91	92	79	89	77	74	73	49	70	63	49	44	52	51	46	47	35	45	34	39	43	43	1,378	June
July	70	90	86	95	81	74	54	62	71	70	67	48	54	42	59	45	34	44	49	45	41	36	32	1,349	July
August	85	104	86	77	59	67	79	71	54	57	57	49	42	49	38	36	38	36	37	49	36	44	45	1,295	August
September	87	76	85	64	76	80	64	60	60	62	53	58	58	44	47	46	53	30	42	39	39	34	42	1,299	September
October	106	98	87	95	59	87	79	64	54	61	72	46	40	45	69	49	39	42	41	36	41	47	35	1,392	October
November	88	84	88	65	52	70	64	59	62	56	53	59	51	42	40	45	39	41	38	49	38	34	32	1,249	November
December	73	75	76	56	63	62	57	64	51	62	57	36	50	42	32	45	31	41	39	37	29	47	33	1,158	December
total	1,034	1,044	998	934	844	883	810	810	759	746	708	617	610	553	536	546	501	453	489	516	464	487	494	15,836	total

Prefecture of fatal and non-fatal accidents in printing/bookbinding in 1999-2021

Prefecture	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Prefecture
Hokkaido	25	30	26		14		17	8	13	21	11	10	13	10	15	11	14	9	10	14	12	9	6	298	Hokkaido
Aomori	3	3	7		4		5	4	5	3	5	2	4	2	5	1	1	1		1	2	2	4	64	Aomori
lwate	8	9	8		2		4	4	3	5	5	4	8	1	5	1	2		2	3	6	4	3	87	lwate
Miyagi	12	10	12		13		9	9	14	12	9	13	5	8	10	9	3	6	16	6	4	10	10	200	Miyagi
Akita	4	1	3		2		4	4	3	3	2	4	3	1		3	2	3	1	1	3	1	1	49	Akita

Yamagata	6	8	8		4		6	6	4	6	5	6	1	5	6	3	3	2	1	4	3	4	3	94	Yamagata
Fukushima	8	11	13		10		15	7	10	11	11	7	7	2	8	7	6	5	7	3	3	9	9	169	Fukushima
Ibaraki	22	24	18		23		24	22	14	21	19	12	15	21	14	13	13	16	11	17	16	20	23	378	Ibaraki
Tochigi	16	9	5		9		5	6	10	6	7	6	6	9	6	5	5	6	5	10	4	8	7	150	Tochigi
Gunma	11	12	16		9		11	4	11	7	6	10	13	5	9	9	4	9	6	5	3	9	8	177	Gunma
Saitama	134	115	133		129		128	112	126	106	109	90	81	79	65	76	85	62	78	84	55	65	69	1,981	Saitama
Chiba	31	31	24		30		26	20	19	19	20	10	20	20	18	20	9	14	13	17	17	15	13	406	Chiba
Tokyo	191	165	141		142		106	111	104	97	84	78	83	60	62	64	53	56	54	50	53	50	45	1,849	Tokyo
Kanagawa	30	38	26		25		21	23	17	18	17	17	16	18	17	14	12	11	8	7	16	6	22	379	Kanagawa
Niigata	17	16	28		12		14	15	10	18	8	11	13	6	11	9	10	7	9	13	7	5	10	249	Niigata
Toyama	12	11	5		18		8	4	3	6	4	4	5	5	3	5	3	5	1	7	2	8	5	124	Toyama
Ishikawa	3	11	8		5		7	6	7	7	12	5	5	7	6	9	7	6	7	8	7	7	5	145	Ishikawa
Fukui	4	3	4		4		2	7	4	4	6	3	2	3	2	4	4	5	1	5	2	2	3	74	Fukui
Yamanashi	1	2			2		2	2	3	2	3	2	2	3	3	1	2	1	1	2	3	1	5	43	Yamanashi
Nagano	16	17	10		8		8	4	7	14	4	7	9	11	13	9	8	7	10	4	9	2	3	180	Nagano
Gifu	15	18	26		6		23	10	13	16	22	14	11	16	15	10	7	9	9	16	8	7	9	280	Gifu
Shizuoka	31	41	30		21		23	33	27	25	17	20	28	19	14	17	22	13	14	17	19	13	15	459	Shizuoka
Aichi	59	73	58		51		51	47	40	39	39	38	35	47	33	40	19	23	28	27	33	31	30	841	Aichi
Mie	6	12	11		11		8	2	6	9	11	7	3	6	7	4	6	3	8	2	10	7	4	143	Mie
Shiga	15	9	9		5		7	10	5	7	17	10	9	11	6	7	14	10	9	17	3	11	6	197	Shiga
Kyoto	23	28	33		16		27	33	32	21	22	14	23	20	19	29	21	17	18	11	14	14	18	453	Kyoto
Osaka	146	128	141		108		92	109	88	93	80	82	64	57	59	58	43	41	69	59	59	58	52	1,686	Osaka
Hyogo	28	32	38		25		20	41	31	36	17	21	16	6	13	10	14	17	21	14	14	14	21	449	Hyogo
-	1	1	1		=	=	-				-				1			1							

Nara	6	9	9	5	7	18	8	12	11	10	7	12	5	13	13	4	3	6	5	9	9	181	Nara
Wakayama	2	5	2	5	5	1	5	8	3	3	5	4	2	1	2	5		2	1	2	3	66	Wakayama
Tottori	4	3		2	2	3	3		3	3	2	1	2		1	1			2		1	33	Tottori
Shimane	4	5	4	5	2	2	3	3	5	3	2		2	2	2			2	3			49	Shimane
Okayama	9	11	7	14	16	16	13	17	11	6	8	4	6	15	12	7	10	11	6	9	9	217	Okayama
Hiroshima	16	23	23	11	8	13	15	5	12	9	4	7	7	5	8	10	8	11	7	5	7	214	Hiroshima
Yamaguchi	4	7	9	10	3	4	5	2		6	3	2	2	1	7	7	3	3	1	2	4	85	Yamaguchi
Tokushima	2	9	2	4	8	1	2	5	6	3	5	3	2	2	2	3	3		3	4	4	73	Tokushima
Kagawa	17	20	11	7	13	23	8	13	16	9	6	11	7	14	13	9	10	9	6	9	10	241	Kagawa
Ehime	12	9	9	9	7	6	9	3	5	3	10	4	4	4	2	3	3	4	3	6	5	120	Ehime
Kochi	6	3	4	4	5	3	6	3	3	4	2	2	5	4	1		1	3	4	1		64	Kochi
Fukuoka	41	43	39	26	35	34	32	27	36	28	31	22	22	19	29	22	15	23	21	26	13	584	Fukuoka
Saga	3	3	1	2	6		1	1		2	2	2	3	3	3	1	2	3	1	5	2	46	Saga
Nagasaki	6	3	6	5	3	11	1		3	1	2	4	2	6		3	5		3	1	3	68	Nagasaki
Kumamoto	9	10	12	6	6	5	3	2	10	5	11	7	7	3	6	3	2	4	6	5	9	131	Kumamoto
Oita	4	4	5	4	4	5	3	3	3	4	2	3	2	3	1	2	4	4	1	2	1	64	Oita
Miyazaki	3	3	3	6	1		3	2	5	5	5	3	4	1	2	5	2	2	1	6	1	63	Miyazaki
Kagoshima	4	5	4	2	2	1	2	5	3	1	1	2	4	1	2	2		4	2	2	4	53	Kagoshima
Okinawa	5	2	7	9	4	1	8	3	1	5	2	2	4	1	3	2	1	1	1	1		63	Okinawa
total	1,034	1,044	998	844	810	810	759	746	708	617	610	553	536	546	501	453	489	516	464	487	494	14,019	total

Fatal and non-fatal accidents mean fatal and non-fatal injuries and occupational diseases with work absence of 4 days and more. Data of 2011 year include fatal and non-fatal 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/2021e_industry.html

Fatal accidents in printing/bookbinding in Japan in 1999-2021

printing/bookbinding industry Code No.0107

Type of fatal accidents in printing/bookbinding in 1999-2021

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	2021	total	Type of accidents
fall from height			2	1	1				2	1	1						1			2		1		12	fall from height
falling to same level									1						1			1				1		4	falling to same
crash			1							1														2	crash
struck by flying or falling object								1	1											1				3	struck by flying or falling object
collapse												1												1	collapse
crashed by		2															1							3	crashed by
caught in/between	2	1	1	2		2		1	1		2	1	3		2	1				1			1	21	caught in/between
cut																									cut
injury to the sole of the																									injury to the sole of the foot

drown							1						3										4	drown
contact to high/low- temperature																								contact to high/low- temperature
contact to harmful substance				1							1												2	contact to harmful substance
electric shock																								electric shock
explosion																								explosion
burst																								burst
fire		1																					1	fire
traffic accident (public road)		2	2	2	1						1	1	1				1						11	traffic accident (public road)
traffic accident (others)																								traffic accident (others)
reaction to motion/improper motion																								reaction to motion/improper motion
others						1	1	1				1	1		1		1	1		1			9	others
unclassifiable																								unclassifiable
total	2	6	6	6	2	3	2	3	5	2	5	4	8	3	2	2	3	1	4	1	2	1	73	total

Causal agents (large) of fatal accidents in printing/bookbinding in 1999-2021

Causal (L) agents	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Causal (L) agents
machine	2	1		1		2		1	1		1	1	2		2	1				1			1	17	machine
crane, conveying machine		4	3	4	2					1	2	2	2				1	2		1				24	crane, conveying machine
other equipment									1															1	other equipment
temporary buildings, establishments			2				1		3	1	1				1		1			2		2		14	temporary buildings, establishments
substance, material		1	1	1							1													4	substance, material
load								1																1	load
environment													4											4	environment
others						1	1	1				1				1		1	1		1			8	others
total	2	6	6	6	2	3	2	3	5	2	5	4	8		3	2	2	3	1	4	1	2	1	73	total

Causal agents (middle) of fatal accidents in printing/bookbinding in 1999-2021

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	2021	total	Causal (M)
engine																									engine
power transmission																									power transmission

mechanism																					mechanism
woodworking machine																					woodworking
construction machine																					construction machine
metal manufacturing																					metal
machine																					manufacturing machine
]																		
general machine	2	1		1		2	1	1		1	1	2	2	1			1		1	17	general
																					machine
mobile silviculture																					mobile
machine																					silviculture
																					machine
crane																					crane
convoying machine		3	1	2	1				1	1	1	2			1	1	1			15	conveying
conveying machine		3	1									2					•			13	machine
vehicle		1	2	2	1					1	1					1				9	vehicle
pressure vessel																					pressure vessel
																					chemical
chemical facilities																					facilities
																					welding
welding equipment																					equipment
kiln, caldron																					kiln, caldron
electric equipment																					electric

																								equipment
human power machine,																								human power
tools																								machine, tools
tools									1														1	tools
ather equipments																								other
other equipments, facilities																								equipments,
lacinues																								facilities
temporary buildings,																								temporary
establishments			2				1		3	1	1			1		1			2		2		14	buildings,
establishments																								establishments
hazards, harmful																								hazards,
substances		1		1							1												3	harmful
Substances																								substances
materials			1																				1	materials
load								1															1	load
																								natural
natural environment													4										4	environment
																								other causal
other causal agent								1															3	agent
												1			1		1	1		1			_	no causal
no causal agent																	1	1					5	agent
unclassifiable																								unclassifiable
total	2	6	6	6	2	3	2	3	5	2	5	4	8	3	2	2	3	1	4	1	2	1	73	total

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	2021	total	Causal (S) agents
engine																									engine
power transmission mechanism																									power transmission mechanism
circular sawing machine																									circular sawing
band sawing machine																									band sawing machine
wood planer machine																									wood planer machine
hollow chisel mortiser, wood borer																									hollow chisel mortiser, wood borer
chamfering machine, router, woodworking milling machine																									chamfering machine, router, woodworking milling machine
chain saw																									chain saw
other woodworking machines																									other woodworking
leveling, transporting or loading machine																									leveling, transporting or loading machine

excavating machine											excavating machine
foundation work machine											foundation work machine
hardening machine											hardening machine
demolition machine											demolition machine
vehicle for high lift work											vehicle for high lift work
other construction machines											other construction machines
lathe											lathe
drill press, milling machine											drill press, milling machine
grinding machine, buffing machine											grinding machine, buffing machine
power press											power press
forging pressure hammer											forging pressure hammer
shearing machine											shearing machine
other metal manufacturing machines											other metal manufacturing machines
centrifugal machine											centrifugal machine
mixer, grinder											mixer, grinder
roll machine (except											roll machine (except

printingroll machine)																	printingroll
printingion machine)																	machine)
injection molding																	injection molding
machine																	machine
food manufacturing																	food manufacturing
machine																	machine
printing machine	2		1			1	1	1	2	2	1		1		1	13	printing machine
industrial robot		1														1	industrial robot
other general power				2	1											3	other general
machines																	power machines
felling machine																	felling machine
mobile logging																	mobile logging
machine																	machine
skyline yarding																	skyline yarding
machine																	machine
other mobile																	other mobile
silviculture machine																	silviculture machine
crane																	crane
mobile crane																	mobile crane
derrick crane																	derrick crane
elevator, lift																	elevator, lift
cargo lifting																	cargo lifting
appliance																	appliance
gondola																	gondola

lumberyard																	lumberyard
equipment, logging																	equipment, logging
cableway																	cableway
simple skyline																	simple skyline
yarding equipment																	yarding equipment
other powered crane																	other powered
truck	2									2						4	truck
forklift	1	1	2	1			1	1	1			1	1	1		11	forklift
railway equipment																	railway equipment
conveyor																	conveyor
loader																	loader
straddle carrier																	straddle carrier
rough terrain hauler																	rough terrain hauler
other powered																	other powered
conveying machines																	conveying machines
cars, bus, motorcycle	1	1	2	1				1	1				1			8	cars, bus,
													1				motorcycle
railway vehicle																	railway vehicle
other vehicles		1														1	other vehicles
boiler																	boiler
pressure vessel																	pressure vessel
other pressure																	other pressure
vessels																	vessels

chemical facilities														chemical facilities
gas welding equipment														gas welding equipment
arc welding equipment														arc welding equipment
other welding equipment														other welding equipment
kiln, caldron														kiln, caldron
industrial dryer														industrial dryer
other kiln, caldron														other kiln, caldron
transmission														transmission
electric power facilities														electric power
other electrical equipment														other electrical equipment
human power cranes														human power cranes
human power hauling equipment														human power hauling equipment
human power machine														human power
hand tool														hand tool
ladder														ladder
slinging tool					1								1	slinging tool

other tools																other tools
other equipment,																other equipment,
scaffolding																scaffolding
timbering																timbering
stairs, landing stage						3	1			1			1		6	stairs, landing stage
opening																opening
roof, beam, haze, crossbeam, principal rafter														1	1	roof, beam, haze, crossbeam, principal rafter
working platform, boot board		1						1					1		3	working platform, boot board
passage														1	1	passage
building, establishment		1			1						1				3	building, establishment
other temporary buildings, establishments																other temporary buildings, establishments
explosive substance																explosive substance
inflammable substance	1														1	inflammable substance
inflammable gas																inflammable gas
harmful substance			1					1							2	harmful substance
radiation																radiation

other hazards,																								other hazards,
harmful substances																								harmful substances
metal material																								metal material
lumber, bamboo																								lumber, bamboo
stone, sand,																								stone, sand,
substance																								substance
other materials			1																				1	other materials
load								1															1	load
machine/equipment																								machine/equipment
as load																								as load
natural ground, rock																								natural ground,
natural ground, rock																								rock
standing tree																								standing tree
water													4										4	water
abnormal																								abnormal
environment																								environment
high/cold																								high/cold
temperature																								temperature
environment																								environment
other environments																								other environments
other causal agent						1	1	1															3	other causal agent
no causal agent												1			1		1	1		1			5	no causal agent
unclassifiable																								unclassifiable
total	2	6	6	6	2	3	2	3	5	2	5	4	8	3	2	2	3	1	4	1	2	1	73	total

Workers age of fatal accidents in printing/bookbinding in 1999-2021

Age	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Age
19 years old or less			1																					1	19 years old or less
20-29	1	2	2	1		1			1		1	1								1			1	12	20-29
30-39		2	2	1		1	1	1			3	2	5		1	1		1	1					22	30-39
40-49			1					1	1			1	1		1									6	40-49
50-59	1	1		3	2	1	1		1		1		1				2	2		2	1	1		20	50-59
60 years old or more		1		1				1	2	2			1		1	1				1		1		12	60 years old or more
total	2	6	6	6	2	3	2	3	5	2	5	4	8		3	2	2	3	1	4	1	2	1	73	total

Workers' number of workplace of fatal accidents in printing/bookbinding in 1999-2021

Workers scale	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Workers scale
9 workers or less			1										3					1		1		1		7	9 workers or less
10-29	2		2	2			1	3		1		1	1		1	1	1	1						17	10-29
30-49		1	1	2		1			3		1	1	4		1								1	16	30-49
50-99		3	2		1	1	1					1			1	1			1	1				13	50-99
100-299		1		1					2	1	3	1					1	1		1	1			13	100-299
300 workers or more		1		1	1	1					1									1		1		7	300 workers or more
total	2	6	6	6	2	3	2	3	5	2	5	4	8		3	2	2	3	1	4	1	2	1	73	total

Month	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Month
January		1	3	1			1		1	1		2												10	January
February				1			1	1				1				1		1						6	February
March	1	1	1		1	1			2			1	7								1			16	March
April				1		1		1	1		1							1						6	April
May		1		1					1								1	1				1		6	May
June		1									1					1				1			1	5	June
July		1	2		1					1										1				6	July
August		1											1		1									3	August
September								1									1		1			1		4	September
October						1					2				1					1				5	October
November				1																1				2	November
December	1			1							1				1									4	December
total	2	6	6	6	2	3	2	3	5	2	5	4	8		3	2	2	3	1	4	1	2	1	73	total

Prefecture of fatal accidents in printing/bookbinding in 1999-2021

Prefecture	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Prefecture
Hokkaido		1																			1			2	Hokkaido
Aomori																									Aomori
lwate													1											1	lwate
Miyagi													3											3	Miyagi

Akita							1														1	Akita
Yamagata																						Yamagata
Fukushima			1															1			2	Fukushima
lbaraki	1			1																	2	Ibaraki
Tochigi																						Tochigi
Gunma																						Gunma
Saitama		2	2				1	1	1	1				2							10	Saitama
Chiba				1															1		2	Chiba
Tokyo				2					3			1	1								7	Tokyo
Kanagawa										1											1	Kanagawa
Niigata		1				1															2	Niigata
Toyama						1															1	Toyama
Ishikawa																						Ishikawa
Fukui					1										1						2	Fukui
Yamanashi												1									1	Yamanashi
Nagano													1								1	Nagano
Gifu																						Gifu
Shizuoka			1								1		1								3	Shizuoka
Aichi		1		1				1						1				1		1	6	Aichi
Mie											1										1	Mie
Shiga											1					1					2	Shiga
Kyoto					1							1									2	Kyoto
Osaka	1	1	1			1			1			1			1						7	Osaka

Hyogo			1	1									1										3	Hyogo
Nara											1												1	Nara
Wakayama																			1				1	Wakayama
Tottori																								Tottori
Shimane																								Shimane
Okayama								1								1			1				3	Okayama
Hiroshima																								Hiroshima
Yamaguchi																	1						1	Yamaguchi
Tokushima																	1						1	Tokushima
Kagawa																		1			1		2	Kagawa
Ehime																								Ehime
Kochi																								Kochi
Fukuoka											1						1						2	Fukuoka
Saga																								Saga
Nagasaki																								Nagasaki
Kumamoto																								Kumamoto
Oita																								Oita
Miyazaki																								Miyazaki
Kagoshima																								Kagoshima
Okinawa																								Okinawa
total	2	6	6	6	2	3	2	3	5	2	5	4	8	3	2	2	3	1	4	1	2	1	73	total

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