

contact to harmful substance	7	12	5	4	2	12	6	3	8	12	7	4	7	7	4	4	2	4	9	3	3	5	3	133	harmful substance
electric shock	2	3	1	1	1	4	3			2			3	1	1	4	3				1		1	31	electric shock
explosion	2	5	3	1	13	3	2	1		2	1	5	1		3	2	2	2	1	1		1		51	explosion
burst			3	3		2	1		1				1	3	1							1		16	burst
fire	1	2	4	1	3	1	4	1	2	2	3	1			2	2	1	3		1		1		35	fire
traffic accident (public road)	31	24	29	27	21	16	14	11	21	17	25	22	16	20	17	12	11	11	16	8	10	10	20	409	traffic accident (public road)
traffic accident (others)			1			2						1			1		1		1					7	traffic accident (others)
reaction to motion/improper motion	93	89	95	98	91	78	92	107	99	104	106	107	94	108	81	65	87	74	88	98	95	107	113	2,169	reaction to motion/improper motion
others	6	4	4	4	9	13	7	5	6	5	4	5	5	2	5	5	4	8	3	6	2	6	25	143	others
unclassifiable	1	2	3	1	1	2	1		2	1	3			1	6		2		1	2	1		1	31	unclassifiable
total	1,282	1,278	1,283	1,200	1,160	1,237	1,141	1,142	1,065	1,036	997	917	920	911	839	887	827	794	859	958	941	905	877	23,456	total

Causal agents (large) of fatal and non-fatal accidents in other manufacturing 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	394	420	393	385	405	355	317	331	284	272	262	254	233	238	210	234	210	178	208	219	207	203	171	6,383	machine
crane, conveying machine	188	203	208	165	186	186	174	174	186	177	162	145	139	147	149	154	118	138	128	148	145	130	123	3,673	crane, conveying machine

																									machine
other equipment	229	183	213	202	163	215	207	216	187	180	186	152	181	157	146	177	163	142	155	191	205	182	161	4,193	other equipment
temporary buildings, establishments	180	167	178	180	172	211	176	191	141	178	175	162	164	150	136	137	156	147	173	178	183	186	197	3,918	temporary buildings, establishments
substance, material	151	143	129	111	88	113	129	94	107	95	72	61	74	75	70	74	66	59	72	59	72	62	60	2,036	substance, material
load	79	106	98	94	89	97	86	85	97	83	81	88	69	98	72	55	61	72	66	65	60	80	72	1,853	load
environment	9	14	18	13	10	11	10	12	11	3	9	12	21	13	15	21	11	15	14	37	20	18	9	326	environment
others	52	42	46	50	47	49	42	39	52	48	50	43	39	33	41	35	42	43	43	61	49	44	84	1,074	others
total	1,282	1,278	1,283	1,200	1,160	1,237	1,141	1,142	1,065	1,036	997	917	920	911	839	887	827	794	859	958	941	905	877	23,456	total

Causal agents (middle) of fatal and non-fatal accidents in other manufacturing 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		1	2						1				1	1						2	1			9	engine
power transmission mechanism	14	15	12	7	17	8	10	16	10	6	10	9	15	7	6	8	9	3	12	6	4	9	4	217	power transmission mechanism
woodworking machine	59	48	60	53	51	43	22	44	41	44	40	33	27	23	21	27	26	14	16	23	24	16	14	769	woodworking machine
construction machine	9	10	6	9	6	12	9	7	4	13	2	4	4	6	10	8	10	7	5	4	2	4	7	158	construction machine

metal manufacturing machine	63	81	58	65	55	59	52	60	47	41	38	47	33	45	43	33	42	34	31	34	41	41	33	1,076	metal manufacturing machine	
general machine	249	265	255	251	276	233	224	204	181	168	172	161	153	156	130	158	123	120	144	150	135	133	113	4,154	general machine	
mobile silviculture machine																										mobile silviculture machine
crane	21	21	27	17	21	24	26	21	27	24	17	10	12	18	9	24	11	14	12	16	20	19	7	418	crane	
conveying machine	136	154	144	118	134	141	133	142	135	130	125	116	103	111	123	116	98	114	106	124	114	101	95	2,813	conveying machine	
vehicle	31	28	37	30	31	21	15	11	24	23	20	19	24	18	17	14	9	10	10	8	11	10	21	442	vehicle	
pressure vessel	1	1	2	2		3	4	3	1	2	1		1	2	4	2				1	2	2		34	pressure vessel	
chemical facilities	1	3			1	1	2		1					1					1	1	1			13	chemical facilities	
welding equipment	6	2	3	4	1	5	1	1	1	3	2		3	2	3		2		2	2	2	2		47	welding equipment	
kiln, caldron	2	5	4		4	3	4	1		2	6	1	4	2		5	2	4	5	2	2	5	2	65	kiln, caldron	
electric equipment	4	3	3	2	1	5	3	1	5	4	1		6	3		1	5	1		1			3	52	electric equipment	
human power machine, tools	86	57	75	82	54	74	67	72	66	54	57	47	49	64	48	50	51	29	50	58	61	65	59	1,375	human power machine, tools	
tools	102	92	96	84	84	95	90	99	88	90	94	71	95	67	68	86	72	80	74	105	107	89	73	2,001	tools	
other equipments,	27	20	30	28	18	29	36	39	25	25	25	33	23	16	23	33	31	27	23	21	31	19	24	606	other equipments,	

circular sawing machine			31		34		14	23	24	19	25	21	18	10	13	19	13	9	12	12	10	12	7	326	circular sawing machine
band sawing machine			5		1		2	3	3	1	3	2	3		1	2	1			3			1	31	band sawing machine
wood planer machine			1		5		3	7	2	7	3	2	1	2	3		1			2	3		2	44	wood planer machine
hollow chisel mortiser, wood borer			1					1	2	1	1	1		1		2				2	1			13	hollow chisel mortiser, wood borer
chamfering machine, router, woodworking milling machine			6		3		1	2	1				1	1	2		1	1					1	20	chamfering machine, router, woodworking milling machine
chain saw						1				1				1			1	1				1	1	7	chain saw
other woodworking machines			16		8		1	8	9	15	8	7	4	8	2	4	9	3	2	5	11	3	2	125	other woodworking machines
leveling, transporting or loading machine			4		3		4	4	1	2	1	1	1	2	4	1	4	4	2	1	1	3	4	47	leveling, transporting or loading machine
excavating machine			1		1		4		2	7	1	1	2	4	2	3	1	1	2		1		2	35	excavating machine
foundation work machine					1															1				2	foundation work machine
hardening machine															1									1	hardening machine
demolition machine			1									1					2			1		1	1	7	demolition machine
vehicle for high lift								1		1		1			1	2	2	1	1	1				11	vehicle for high lift

work																									work
other construction machines				1		1	2	1	3			1		2	2	1	1							15	other construction machines
lathe			4		5		6	6	4	1	1	6	3	6	5	3	6	3	2	1	5	6	3	76	lathe
drill press, milling machine			7		6		7	4	9	5	8	5	5	3	3	3	6	5	5	7	2	6	5	101	drill press, milling machine
grinding machine, buffing machine			10		10		7	7	6	10	6	7	9	11	7	5	8	8	7	9	7	5	5	144	grinding machine, buffing machine
power press			11		16		10	11	8	13	6	11	7	8	11	11	10	4	9	6	14	10	6	182	power press
forging pressure hammer																									forging pressure hammer
shearing machine			1		5		5	4	4	1	4	2	1	4	2		3	3	2	3	4	2	3	53	shearing machine
other metal manufacturing machines			25		13		17	28	16	11	13	16	8	13	15	11	9	11	6	8	9	12	11	252	other metal manufacturing machines
centrifugal machine							1	1		1	2		1	1										7	centrifugal machine
mixer, grinder			17		13		13	12	12	10	12	11	16	9	13	13	13	7	8	9	12	9	7	216	mixer, grinder
roll machine (except printingroll machine)			38		34		22	20	18	15	17	7	12	15	10	13	19	11	16	14	9	16	15	321	roll machine (except printingroll machine)
injection molding machine			11		15		10	4	8	2	5	6	6	7	2	3	3	2	4	1	5	5	3	102	injection molding machine
food manufacturing machine			4		2		7	2	2	8	3	3	4	5	3	2	4	1	2	3	4	3	3	65	food manufacturing machine
printing machine			13		9		4	10	5	5	2	3	3	5	6	1	1	2	6	6	1	3	5	90	printing machine

truck			51		50		43	44	48	44	49	40	35	40	42	37	30	38	45	48	35	38	43	800	truck	
forklift			46		41		50	56	43	53	48	43	46	40	47	43	34	36	31	32	47	39	38	813	forklift	
railway equipment									1												2			3	railway equipment	
conveyor			42		39		35	35	40	28	22	30	19	28	32	32	32	35	28	40	25	22	12	576	conveyor	
loader					1		2			1	1			3					1		1		2	12	loader	
straddle carrier																									straddle carrier	
rough terrain hauler			1																					1	rough terrain hauler	
other powered conveying machines			4		3		3	7	3	4	5	3	3		2	4	2	5	1	4	4	2		59	other powered conveying machines	
cars, bus, motorcycle			33		28		15	11	24	20	20	19	21	17	16	13	8	9	9	8	11	9	17	308	cars, bus, motorcycle	
railway vehicle					1								1	1			1							4	railway vehicle	
other vehicles			4		2					3			2		1	1		1	1			1	4	20	other vehicles	
boiler			1							1			1								1			4	boiler	
pressure vessel			1				1	2	1	1	1				2							1		10	pressure vessel	
other pressure vessels							3	1							2	2	2				1	1	1		13	other pressure vessels
chemical facilities					1		2		1					1				1	1	1				8	chemical facilities	
gas welding equipment			1						1	1				2	1		1				2	1		10	gas welding equipment	
arc welding equipment			1							1			1		1		1		1	2		1		9	arc welding equipment	
other welding equipment			1		1		1	1		1	2		2		1				1					11	other welding equipment	

roof, beam, haze, crossbeam, principal rafter			4		3		4	3	3	5	5	5	7	6	4	2	4	4	6	3	4	2	2	76	roof, beam, haze, crossbeam, principal rafter
working platform, boot board			29		23		31	37	24	31	22	26	29	27	8	17	23	13	26	18	31	25	28	468	working platform, boot board
passage			69		62		50	61	56	69	68	54	48	46	53	59	58	56	59	85	76	77	82	1,188	passage
building, establishment			30		29		25	31	14	17	24	22	25	20	19	13	24	14	22	17	17	16	13	392	building, establishment
other temporary buildings, establishments			14		16		25	12	11	15	16	15	22	17	13	13	16	18	15	13	22	16	11	300	other temporary buildings, establishments
explosive substance			4		13		4	2	2	2	1	1		1	3	2	2	1	2		1			41	explosive substance
inflammable substance			6		2		2	3		3		3	1	1	5	1	4	2	1	2		3		39	inflammable substance
inflammable gas			1		1		1			1		1	2			1	1		2					11	inflammable gas
harmful substance			4		2		4	2	4	8	2	3	4	6	4	3	1	3	6	3	2	2	3	66	harmful substance
radiation																									radiation
other hazards, harmful substances			1		4		5	1	3	5	6	1	3	2		1		2	4	1	4	4		47	other hazards, harmful substances
metal material			65		39		64	53	61	41	38	28	41	37	29	30	39	26	28	28	37	29	34	747	metal material
lumber, bamboo			13		9		19	11	10	8	7	5	7	9	7	15	8	7	7	9	3	8	8	170	lumber, bamboo
stone, sand, substance					1		1	3	2			1	1	2	2	2	2	4	3	1	2	1	1	29	stone, sand, substance
other materials			35		17		29	19	25	27	18	18	15	17	20	19	9	14	19	15	23	15	14	368	other materials
load			85		84		79	77	88	76	72	72	61	86	65	53	56	63	64	57	57	73	67	1,335	load

machine/equipment as load			13		5		7	8	9	7	9	16	8	12	7	2	5	9	2	8	3	7	5	142	machine/equipment as load
natural ground, rock			2				1	1		1	1	1	1			1	1	1		2	1	1	1	16	natural ground, rock
standing tree			2				1				1	2		1	2	1		1	2	5		2		20	standing tree
water							1	2	1				10	1					1	1	1	3		21	water
abnormal environment			2				1														1	1		8	abnormal environment
high/cold temperature environment			5		3		1	1	4		1	5		5	5	6	5	5	3	17	11	5	6	88	high/cold temperature environment
other environments			7		7		5	8	6	2	3	4	10	6	8	13	5	8	8	12	6	6	2	126	other environments
other causal agent			7		8		5	9	10	10	8	10	9	4	8	8	14	8	11	13	7	9	30	188	other causal agent
no causal agent			35		35		36	30	38	38	35	32	29	27	26	27	26	35	30	42	40	35	54	650	no causal agent
unclassifiable			4		4		1		4		7	1	1	2	7		2		2	6	2			43	unclassifiable
total			1,283		1,160		1,141	1,142	1,065	1,036	997	917	920	911	839	887	827	794	859	958	941	905	877	18,459	total

Workers age of fatal and non-fatal accidents in other manufacturing 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	28	34	39	25	20	26	21	38	13	22	16	11	10	18	12	15	17	8	13	14	18	11	16	445	19 years old or less
20-29	250	239	240	211	242	214	177	196	196	171	134	132	133	131	123	121	98	93	99	122	127	103	97	3,649	20-29
30-39	212	217	241	241	231	267	238	240	223	213	211	201	192	194	171	144	149	142	163	155	164	151	133	4,493	30-39

April	125	105	104	110	98	95	83	88	93	104	86	70	69	71	62	60	66	69	64	64	62	80	77	1,905	April
May	100	99	112	104	96	85	77	99	86	84	85	66	61	73	78	76	69	58	79	80	66	54	78	1,865	May
June	132	119	99	83	90	117	108	83	96	69	87	77	76	70	73	66	81	65	70	86	87	81	64	1,979	June
July	112	102	97	132	95	94	96	98	103	95	89	84	76	90	67	72	68	65	82	109	106	64	62	2,058	July
August	87	99	110	99	95	99	100	98	77	61	84	92	88	89	59	80	66	72	56	95	63	68	85	1,922	August
September	108	109	102	98	101	115	91	100	93	101	87	83	73	85	75	67	59	69	76	65	89	67	69	1,982	September
October	102	108	97	109	116	123	102	91	97	101	75	84	81	76	80	62	70	53	81	83	61	83	79	2,014	October
November	93	101	114	108	102	92	95	107	91	82	84	57	74	69	64	73	72	57	73	71	91	61	80	1,911	November
December	90	113	82	88	89	91	97	91	72	79	73	66	84	59	55	81	70	54	62	59	76	80	41	1,752	December
total	1,282	1,278	1,283	1,200	1,160	1,237	1,141	1,142	1,065	1,036	997	917	920	911	839	887	827	794	859	958	941	905	877	23,456	total

Prefecture of fatal and non-fatal accidents in other manufacturing 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	39	36	32		31		27	34	25	34	23	24	18	28	35	26	33	23	39	35	38	29	28	637	Hokkaido
Aomori	8	9	6		6		5	5	7	4	1	2	4	1	5	1	5	3	4	5	4	4	2	91	Aomori
Iwate	8	6	7		1		6	9	3	7	5	3	7	5	3	8	7	4	5	3	4	2	4	107	Iwate
Miyagi	16	24	16		22		11	17	21	20	11	10	18	10	11	16	7	12	15	14	8	11	10	300	Miyagi
Akita	9	9	14		8		6	6	6	1	3	4	3	3	4	1	1	4	2	7	4	4	2	101	Akita
Yamagata	18	5	8		7		8	7	11	5	3	6	3	9	8	9	4	2	10	6	8	7	6	150	Yamagata
Fukushima	5	16	16		9		15	11	18	10	9	10	7	10	9	4	11	11	7	8	8	9	7	210	Fukushima
Ibaraki	35	36	46		35		27	24	28	32	29	29	25	31	25	40	40	34	47	40	40	34	35	712	Ibaraki
Tochigi	33	21	26		23		29	27	19	17	14	18	22	19	13	15	15	15	20	19	19	17	23	424	Tochigi
Gunma	59	49	48		43		18	35	27	15	20	8	22	19	22	18	13	22	20	30	22	17	11	538	Gunma

Saitama	104	70	91		73		106	100	80	91	86	64	80	77	75	90	71	67	66	83	105	97	97	1,773	Saitama
Chiba	37	37	49		39		30	25	44	40	18	37	20	29	27	25	31	27	27	35	31	39	27	674	Chiba
Tokyo	51	54	58		37		57	47	51	52	54	55	41	40	41	23	33	33	29	41	30	34	24	885	Tokyo
Kanagawa	59	50	71		47		53	64	51	52	44	53	50	49	37	54	35	43	43	47	36	47	29	1,014	Kanagawa
Niigata	40	28	29		25		19	21	19	23	25	22	15	17	27	16	13	19	16	22	11	17	13	437	Niigata
Toyama	15	21	8		9		6	7	2	6	5	8	10	4	9	6	6	10	7	12	10	12	9	182	Toyama
Ishikawa	9	6	10		11		9	11	12	14	5	3	4	3	4	3	6	7	8	8	5	9	9	156	Ishikawa
Fukui	5	1	3		3		5	9	2	8	4	2	6	3	10	5	4	5	3	8	5	12	3	106	Fukui
Yamanashi	6	13	9		6		6	7	6	6	9	10	16	12	5	10	9	7	6	5	5	4	10	167	Yamanashi
Nagano	11	23	15		15		20	16	14	11	6	7	8	8	10	9	9	9	12	9	8	5	9	234	Nagano
Gifu	35	31	33		26		27	27	26	17	22	18	15	26	19	22	18	18	17	13	16	17	14	457	Gifu
Shizuoka	54	74	57		72		54	52	51	50	41	46	51	42	29	45	44	27	42	53	57	41	68	1,050	Shizuoka
Aichi	110	125	118		110		94	106	88	68	81	84	77	76	73	86	77	76	62	70	84	49	80	1,794	Aichi
Mie	28	22	20		21		24	18	19	22	29	24	25	15	13	24	14	7	17	16	19	22	18	417	Mie
Shiga	12	16	13		22		19	21	27	12	12	11	8	19	9	18	15	6	7	14	6	16	18	301	Shiga
Kyoto	18	16	25		27		20	18	25	14	21	16	11	17	23	13	19	17	15	20	11	11	7	364	Kyoto
Osaka	130	153	131		120		123	116	95	94	109	104	94	83	65	78	87	65	77	75	87	57	72	2,015	Osaka
Hyogo	60	66	54		64		53	68	50	68	71	41	56	50	40	59	42	46	52	41	44	50	50	1,125	Hyogo
Nara	11	12	13		15		14	4	12	6	15	9	4	6	5	7	7	7	6	11	7	3	9	183	Nara
Wakayama	13	20	29		20		18	15	14	10	13	8	12	16	13	13	8	7	11	13	8	20	7	288	Wakayama
Tottori	6	5	3		3		5	4	5			5	3		1		2	2	3	4	4	3		58	Tottori
Shimane	7	3	5				5	2	1	1	1	1	3	4	1	1	3	2	3	8	3	6		60	Shimane
Okayama	21	33	35		29		38	29	24	42	23	22	20	19	27	19	18	21	22	25	30	27	18	542	Okayama

Hiroshima	45	27	25		22		26	29	32	30	34	13	18	24	18	17	10	15	22	22	29	29	34	521	Hiroshima
Yamaguchi	7	11	5		9		6	9	11	5	6	9	9	4	8	8	4	5	4	7	11	5	3	146	Yamaguchi
Tokushima	11	8	10		3		6	6	7	2	6			3	5			3	4	6	4	4	5	93	Tokushima
Kagawa	27	22	14		15		17	17	13	21	17	11	9	4	8	8	2	8	9	12	7	9	4	254	Kagawa
Ehime	12	16	16		6		18	12	20	16	16	16	13	14	6	14	3	14	14	9	11	9	14	269	Ehime
Kochi	13	9	12		5		9	4	7	6	5	8	7	6	2	3	8	5	3	5	7	3	8	135	Kochi
Fukuoka	34	41	33		42		31	31	19	28	33	23	30	35	28	23	30	21	21	22	26	32	18	601	Fukuoka
Saga	5	4	6		5		9	11	6	9	8	10	11	10	6	5	7	6	5	11	8	13	5	160	Saga
Nagasaki	2	3	5		7		10	7	4	5	4	10	8	5	5	2	5	5	6	4	7	4	4	112	Nagasaki
Kumamoto	13	8	23		18		15	19	17	18	17	21	19	14	21	12	16	11	15	22	22	26	21	368	Kumamoto
Oita	10	11	5		8		7	8	7	9	6	4	7	1	3	5	4	8	3	4	2	8	6	126	Oita
Miyazaki	14	12	12		13		12	13	21	11	10	13	13	17	13	12	10	15	17	19	16	15	13	291	Miyazaki
Kagoshima	15	13	14		21		14	12	13	21	16	13	13	19	14	13	18	16	15	13	11	15	20	319	Kagoshima
Okinawa	2	3	5		7		4	2	5	3	7	2	5	5	4	1	3	4	1	2	3	1	3	72	Okinawa
total	1,282	1,278	1,283		1,160		1,141	1,142	1,065	1,036	997	917	920	911	839	887	827	794	859	958	941	905	877	21,019	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

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Fatal accidents in other manufacturing in Japan in 1999-2021

Type of fatal accidents in other manufacturing 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	4	1	2	3	1	2	1	3	1	1	1		1	1	1	1	1	1	5		3		1	35	fall from height	
falling to same level	2	1	1			1								1		1				1	1			10	falling to same level	
crash													1											1	crash	
struck by flying or falling object		2	1	1				1	1				1							2		1		10	struck by flying or falling object	
collapse	1	1	3		2	2				1		1									1			12	collapse	
crashed by	2	1	2			1		2			1									3				12	crashed by	
caught in/between	4	5		3	4	2	1	4	4	2			1	1	3	3	2	2	2	6	1		1	51	caught in/between	
cut																										cut
injury to the sole of the foot																1								1	injury to the sole of the foot	
drown						1	2						7											10	drown	
contact to high/low-temperature						2											1					1	1	5	contact to high/low-temperature	
contact to harmful substance		3		2						1		1	1	1								1		10	contact to harmful substance	

temporary buildings, establishments	2		4	3						1			2	1		1	1	1	3	1				20	temporary buildings, establishments
substance, material		6	1	1	10	1				2	1	1		2	3					1				29	substance, material
load		2	3		2	1			1			1	1								1		1	13	load
environment				1		1	1	1		1			11				1	1		2	1	2	1	24	environment
others						2				1	1							2				1		7	others
total	17	16	16	12	19	14	6	12	6	8	6	3	15	5	7	6	5	7	8	12	6	4	3	213	total

Causal agents (middle) of fatal accidents in other manufacturing 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 mechanism		1																		1					2	power transmission mechanism
woodworking machine																										woodworking machine
construction machine	2	1			2	1					1					1								1	9	construction machine
metal manufacturing machine					1																				1	metal manufacturing machine

general machine	1	2		1	2		1	3	2	1			1			1		1	1	2			1	20	general machine
mobile silviculture machine																									mobile silviculture machine
crane	2	2	2	1		1		1							1				1	1				12	crane
conveying machine	7	2	2	3		5	2	3	1	1	1	1		2	4	2	3	2	4	2	2			49	conveying machine
vehicle	2		3	2	2	1	1	1		1	1													14	vehicle
pressure vessel									1															1	pressure vessel
chemical facilities																				1				1	chemical facilities
welding equipment																									welding equipment
kiln, caldron																									kiln, caldron
electric equipment																									electric equipment
human power machine, tools	1		1																			1		3	human power machine, tools
tools							1	2			1									1				5	tools
other equipments, facilities						1		1	1															3	other equipments, facilities
temporary buildings,	2		4	3						1			2	1		1	1	1	3	1				20	temporary buildings,

																							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 machines	
leveling, transporting or loading machine	2			1					1					1							1		6	leveling, transporting or loading machine
excavating machine																							excavating machine	
foundation work machine				1																			1	foundation work machine
hardening machine																							hardening machine	
demolition machine																							demolition machine	
vehicle for high lift work		1			1																		2	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				1																		1	other metal manufacturing machines
centrifugal machine																							centrifugal machine
mixer, grinder																	1					1	mixer, grinder
roll machine (except printingroll machine)								1														1	roll machine (except printingroll machine)
injection molding machine																							injection molding machine
food manufacturing machine																							food manufacturing machine
printing machine																							printing machine
industrial robot																	1					1	industrial robot
other general power machines	1	2		1	2		1	3	1	1		1		1		1		1			1	17	other general power machines

board	1																	1	1				3	boot board	
passage											1												1	passage	
building, establishment			3							1													4	building, establishment	
other temporary buildings, establishments				1													1						2	other temporary buildings, establishments	
explosive substance					10					1													11	explosive substance	
inflammable substance		1	1								1												4	inflammable substance	
inflammable gas												1	2										3	inflammable gas	
harmful substance		3		1							1	1											6	harmful substance	
radiation																									radiation
other hazards, harmful substances																									other hazards, harmful substances
metal material		1								1													3	metal material	
lumber, bamboo																									lumber, bamboo
stone, sand, substance																									stone, sand, substance
other materials		1				1																	2	other materials	
load		2	2		2						1											1	1	9	load
machine/equipment as load			1			1			1			1											4	machine/equipment as load	
natural ground, rock																						1	1	natural ground, rock	

Workers' number of workplace of fatal accidents in other manufacturing 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	7	4	3	7	3	5		2	1	2	2		6	3	3	4	3		5	7	3	1	1	72	9 workers or less	
10-29	7	5	6	2	12	5	4	6	3	3	4		3	1	1	1	1	1	2	3		1	2	73	10-29	
30-49	1	5	5	1	2	1	2	2		1		1	1	1	1			3	1		1			29	30-49	
50-99		1	1	1	1	1		1		1			2			1	1	2		1	1	1		16	50-99	
100-299	2	1		1	1	1			1			1	3		1			1		1	1			15	100-299	
300 workers or more			1			1		1	1	1		1			1								1		8	300 workers or more
total	17	16	16	12	19	14	6	12	6	8	6	3	15	5	7	6	5	7	8	12	6	4	3	213	total	

Month of fatal accidents in other manufacturing in 1999-2021

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	1	3	1				2	1	1	1	1			2	1			2			1		18	January
February	4	1	2		2	1			1				2			1	1	2		1	2			20	February
March	2	2		1		1	3	2	1	2			10	1				1		1	1	1		29	March
April	3	4	1		9	3		1							1			1				1		24	April
May			3	1				1		1							1		1		1			9	May
June		1				2					1		1	1						1				7	June
July	1	4		3		1		1		1	1				3		2	1						18	July
August	1		3		1	2	1	2	1					1		1	1		1	1		1	2	19	August
September	1	1	2			1	1		1					1				1	1				1	11	September

October			1		2	1		1			1		1	1						3				11	October
November	3		1	3	2					1	1	1	1			2			1	1				17	November
December	1	2		3	3	2	1	2	1	2	1	1			1	1		1	2	4	2			30	December
total	17	16	16	12	19	14	6	12	6	8	6	3	15	5	7	6	5	7	8	12	6	4	3	213	total

Prefecture of fatal accidents in other manufacturing 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		3	1	1						1			1	2				1		2	1		14	Hokkaido
Aomori	1									1								1			1			4	Aomori
Iwate	1			1				1					3					1						7	Iwate
Miyagi	2	1	1	2									7	1		1		1						16	Miyagi
Akita				1																			1	2	Akita
Yamagata	2		1																					3	Yamagata
Fukushima						1																		1	Fukushima
Ibaraki									1	2								1			1			5	Ibaraki
Tochigi					1			1				1								2		1		6	Tochigi
Gunma																				1				1	Gunma
Saitama		3	1			1					1							1		1	1			9	Saitama
Chiba			1		1	1				2					1	1				4		1		12	Chiba
Tokyo	1		1	1		1	1				2	1	1					1						10	Tokyo
Kanagawa		1					2	2					1			1								7	Kanagawa
Niigata							1	1		2					1									5	Niigata
Toyama					1												1			1				3	Toyama

