Fatal and non-fatal accidents in electronics equipment and telecommunications apparatus in Japan in 1999-2022

electronics equipment and telecommunications apparatus industry Code No.011403

Type of accidents in electronics equipment and telecommunications apparatus in 1999-2022

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	2022	total
fall from height	40	48	41	37	45	36	41	42	46	37	26	26	34	29	30	25	31	29	31	50	27	36	41	36	864
falling to same level	73	73	94	72	88	57	57	91	98	92	68	75	84	62	76	90	76	100	108	96	95	97	102	123	2,047
crash	21	19	17	14	13	21	13	8	14	10	7	13	18	20	14	9	15	13	13	15	14	17	27	24	369
struck by flying or falling object	22	29	25	23	23	22	23	17	19	29	18	22	8	18	17	13	16	18	12	14	6	19	15	16	444
collapse	6	10	7	11	9	7	7	7	8	5	3	3	11	3	1	3	2	4	3	5	5	2	2	7	131
crashed by	8	18	8	13	9	25	9	11	18	8	6	14	7	4	2	10	7	7	12	14	14	10	16	11	261
caught in/between	139	174	136	106	118	111	112	82	86	85	71	53	74	62	61	70	47	60	47	52	54	49	50	53	1,952
cut	38	35	32	20	28	29	26	19	34	16	15	25	12	13	17	17	15	6	19	10	11	22	17	12	488
injury to the sole of the foot			1			1	1								2			2			1	1	1		10
drown												1	7												8
contact to high/low-	6	13	6	5	3	5	6	3	4	8	2	3	4	6	5	1	3	4	9	3	2	6	10	6	123

temperature																									
contact to harmful substance	20	7	7	14	6	8	11	13	8	10	9	6	9	5	9	6	7	5	6	6	4	5	6	9	196
electric shock	4	3	2	1	1	4	1	2			1	1		2	1	1			1	1			1	1	28
explosion	1	2		1	6	1		1						1		1		1			2	3		1	21
burst				1						1		1		1				1			1				6
fire	2	1	2		1				2					1			1		1					1	12
traffic accident (public road)	8	13	18	17	9	12	28	4	7	13	12	8	12	9	4	12	7	5	5	7	5	3	11	3	232
traffic accident (others)					1		2																		3
reaction to motion/improper motion	41	53	47	48	32	44	57	62	59	57	39	50	47	55	33	47	50	52	39	50	54	59	65	72	1,212
others	7	1	1	3	5	3	3	5	3	3	1	2	5	1	2		4	5	1	3	3	13	98	4	176
unclassifiable		1	3	3	1	3				2	1					1	1		1	1			2		20
total	436	500	447	389	398	389	397	367	406	376	279	303	332	292	274	306	282	312	308	327	298	342	464	379	8,603

Causal agents (large) of fatal and non-fatal accidents in electronics equipment and telecommunications apparatus in 1999-2022

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	2022	total
machine	146	180	128	111	106	115	109	84	89	85	70	68	77	60	62	72	50	55	60	50	51	53	49	61	1,991

crane, conveying machine	43	37	50	32	33	36	41	24	34	37	25	22	30	25	15	20	19	19	24	22	19	18	28	13	666
other equipment	56	77	51	52	57	66	53	57	61	67	41	51	41	51	53	58	47	56	48	52	64	63	73	60	1,355
temporary buildings, establishments	82	88	105	85	96	76	76	94	112	84	72	78	87	71	76	80	82	99	104	99	89	110	103	122	2,170
substance, material	48	51	40	47	43	39	44	31	43	35	25	31	21	23	22	19	24	25	19	23	25	22	23	31	754
load	28	34	38	24	24	28	36	38	33	28	21	17	24	18	16	23	23	18	14	22	14	16	31	25	593
environment	7	11	11	8	10	9	11	11	7	12	5	5	21	14	14	12	10	7	9	21	7	13	16	18	269
others	26	22	24	30	29	20	27	28	27	28	20	31	31	30	16	22	27	33	30	38	29	47	141	49	805
total	436	500	447	389	398	389	397	367	406	376	279	303	332	292	274	306	282	312	308	327	298	342	464	379	8,603

Causal agents (middle) of fatal and non-fatal accidents in electronics equipment and telecommunications apparatus in 1999-2022

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	2022	total
engine		1						1									1								3
power transmission mechanism	6	2	1	1	4	7	5	2	4	4	3	3	2	5	3	3		3	3	2	2	2	2	1	70
woodworking machine	2	3	2	1	4	3	1	2	4	1		1	1		2		2		4			2	2		37

construction machine							1												1	2				1	5
metal manufacturing machine	63	88	53	49	46	42	45	29	36	37	30	30	28	21	20	18	21	17	23	16	24	30	19	23	808
general machine	75	86	72	60	52	63	57	50	45	43	37	34	46	34	37	51	26	35	29	30	25	19	26	36	1,068
mobile silviculture machine																									
crane	5	2	10	3	5		1	7	4	6	1	3	3	4	2	1	1	3	6	4	3	2	3		79
conveying machine	27	20	25	11	19	23	10	12	13	15	8	9	7	9	6	5	9	7	10	13	8	12	12	9	299
vehicle	11	15	15	18	9	13	30	5	17	16	16	10	20	12	7	14	9	9	8	5	8	4	13	4	288
pressure vessel								1				3		1	2										7
chemical facilities				1	1		1			2	1		1	1	1	1	1	2		1			1		15
welding equipment		1	1	2		1	1			2	1			2	2	1			1			1	3		19
kiln, caldron	2	2		1	4	2	1	2		2			2		1		1			1	2	1	1	1	26
electric equipment	4	4		4	2	4	2	3	1	1	4			2	2			3	2	4	2	4	1	2	51
human power machine, tools	20	20	25	15	21	19	19	16	23	24	11	19	13	17	15	21	11	15	22	15	24	26	28	27	466
tools	21	31	19	18	23	26	18	21	26	23	17	19	14	16	20	26	25	24	17	25	22	21	30	19	521
other equipments,																									

facilities	9	19	6	11	6	14	11	14	11	13	7	10	11	12	10	9	9	12	6	6	14	10	9	11	250
temporary buildings, establishments	82	88	105	85	96	76	76	94	112	84	72	78	87	71	76	80	82	99	104	99	89	110	103	122	2,170
hazards, harmful substances	25	14	11	18	9	11	12	12	10	10	8	7	8	7	8	5	8	7	8	7	7	6	7	11	236
materials	23	37	29	29	34	28	32	19	33	25	17	24	13	16	14	14	16	18	11	16	18	16	16	20	518
load	28	34	38	24	24	28	36	38	33	28	21	17	24	18	16	23	23	18	14	22	14	16	31	25	593
natural environment	7	11	11	8	10	9	11	11	7	12	5	5	21	14	14	12	10	7	9	21	7	13	16	18	269
other causal agent	9	6	4	6	7	3	1	6	5	5	4	2	6	2	2		5	9	5	4	3	17	101	7	219
no causal agent	16	14	19	24	16	16	26	22	20	21	15	29	25	28	13	22	21	24	24	34	26	30	38	42	565
unclassifiable	1	2	1		6	1			2	2	1				1		1		1				2		21
total	436	500	447	389	398	389	397	367	406	376	279	303	332	292	274	306	282	312	308	327	298	342	464	379	8,603

Causal agents (small) of fatal and non-fatal accidents in electronics equipment and telecommunications apparatus in 1999-2022

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	2022	total
engine								1									1								2
power transmission mechanism			1		4		5	2	4	4	3	3	2	5	3	3		3	3	2	2	2	2	1	54

circular sawing machine			1		3			1	1	1		1	1		2				1			1	1		14
band sawing machine					1			1														1			3
wood planer machine																									
hollow chisel mortiser, wood borer																	1								1
chamfering machine, router, woodworking milling machine																									
chain saw									1										1						2
other woodworking machines			1				1		2								1		2				1		8
leveling, transporting or loading machine																			1	2					3
excavating machine							1																		1
foundation work machine																									
hardening machine																									

demolition machine																									
vehicle for high lift work																								1	1
other construction machines																									
lathe			1		3		2	2		2	3	3	1	3	1	1	5		4	1	1	4	1	3	41
drill press, milling machine			7		2		5	5	2	3	2	4	2		2	1	5		1	3	2	2			48
grinding machine, buffing machine			5		3		8	2	5	6	6	2	7	2	1		2	3	4		3	4	1	3	67
power press			25		19		20	9	12	15	11	8	5	6	8	5	5	10	4	9	9	10	7	11	208
forging pressure hammer							1																		1
shearing machine					1			1	2	1	2	1		1	1	1		1	1				1		14
other metal manufacturing machines			15		18		9	10	15	10	6	12	13	9	7	10	4	3	9	3	9	10	9	6	187
centrifugal machine																								1	1
mixer, grinder			1		3		2		3	1			1	2	1	2			1		1	1	2		21
roll machine (except printingroll machine)			1		2			2	4	3	3	5	3	1	1	2	4		2	4		1	2	3	43

injection molding machine			1		2		1	3	1		4	2	2	1		1		3			2	1	2	1	27
food manufacturing machine															1										1
printing machine			3				1	1				2	4			2			1	1	1	2		1	19
industrial robot			1				1	2	1	1	1	1	1		1		1	1	2		1	1	1	1	18
other general power machines			65		45		52	42	36	38	29	24	35	30	33	44	21	31	23	25	20	13	19	29	654
felling machine																									
mobile logging machine																									
skyline yarding machine																									
other mobile silviculture machine																									
crane			3		2		1	6	3	4	1		2	3				2	4	2	2	1	3		39
mobile crane									1			2							2						5
derrick crane																									
elevator, lift			6		2			1		1		1	1	1	2		1	1		2		1			20
cargo lifting appliance																									
gondola																									

lumberyard equipment, logging cableway																									
simple skyline yarding equipment																									
other powered crane			1		1					1						1					1				5
truck			6		8		1	4	4	7	2	1	3	3	1	1	4	4	5	8	5	2	3	2	74
forklift			9		5		2	5	5	3	4	4	2	4	1	3	3	2	3	2		6	4	3	70
railway equipment										2															2
conveyor			8		5		5	2	4	1	1	1	1	1	4	1	1	1	1	2		2	4	3	48
loader																								1	1
straddle carrier																									
rough terrain hauler																									
other powered conveying machines			2		1		2	1		2	1	3	1	1			1		1	1	3	2	1		23
cars, bus, motorcycle			15		8		29	4	16	16	13	10	20	11	7	14	9	9	7	5	7	4	12	4	220
railway vehicle							1												1						2
other vehicles					1			1	1		3			1							1		1		9
boiler																									

pressure vessel								1							2										3
other pressure vessels												3		1											4
chemical facilities					1		1			2	1		1	1	1	1	1	2		1			1		14
gas welding equipment														1											1
arc welding equipment																							1		1
other welding equipment			1				1			2	1			1	2	1			1			1	2		13
kiln, caldron					2		1	2					1		1		1			1	2	1	1	1	14
industrial dryer					2					2															4
other kiln, caldron													1												1
transmission										1	1							1			1	2			6
electric power facilities					1		2		1		2			1	1				1	3		1		1	14
other electrical equipment					1			3			1			1	1			2	1	1	1	1	1	1	15
human power cranes										1		1		1							1	2	3	6	15
human power hauling equipment			12		14		10	9	14	16	7	8	10	10	10	16	7	14	17	9	19	16	18	13	249

human power machine			2				1	1	2				1	1		1	1							1	11
hand tool			11		7		8	6	7	7	4	10	2	5	5	4	3	1	5	6	4	8	7	7	117
ladder			8		10		7	13	11	12	8	7	7	8	9	13	15	11	7	17	6	10	19	6	204
slinging tool									1		1			1											3
other tools			11		13		11	8	14	11	8	12	7	7	11	13	10	13	10	8	16	11	11	13	218
other equipment, facilities			6		6		11	14	11	13	7	10	11	12	10	9	9	12	6	6	14	10	9	11	197
scaffolding					1		2		1	1								2					2		9
timbering																									
stairs, landing stage			21		22		25	28	27	18	18	16	26	16	22	9	13	18	25	22	23	35	26	29	439
opening			2		4		1	1	1	3	1	2	2	1		1		1			1	1	1		23
roof, beam, haze, crossbeam, principal rafter			3									1	1	2	1	1		1					1	1	12
working platform, boot board			12		7		6	12	16	8	13	5	8	9	7	11	3	5	6	3	4	9	7	7	158
passage			53		49		27	40	48	37	24	46	36	38	39	47	50	63	61	60	55	53	48	68	942
building, establishment			9		8		11	4	11	8	8	4	7	3	4	5	9	3	6	5	3	9	14	9	140
other temporary buildings,			5		5		4	9	8	9	8	4	7	2	3	6	7	6	6	9	3	3	4	8	116

establishments																									
explosive substance			1		6													1						1	9
inflammable substance			3				3		4	2		2		1			1	1	1			3	1	2	24
inflammable gas																									
harmful substance			4		3		2	7	4	4	4	3	5	3	3	4	4	3	5	3	4	2	4	2	73
radiation																									
other hazards, harmful substances			3				7	5	2	4	4	2	3	3	5	1	3	2	2	4	3	1	2	6	62
metal material			25		21		25	12	20	15	12	13	8	12	9	6	11	13	7	12	14	10	11	15	271
lumber, bamboo					1		1		1			1	2	1	2	5				1				1	16
stone, sand, substance			1													1		1				1			4
other materials			3		12		6	7	12	10	5	10	3	3	3	2	5	4	4	3	4	5	5	4	110
load			32		20		26	33	29	24	20	15	20	16	12	18	21	15	12	14	12	14	29	23	405
machine/equipment as load			6		4		10	5	4	4	1	2	4	2	4	5	2	3	2	8	2	2	2	2	74
natural ground, rock			2		1		1					1				2	1		1					2	11
standing tree																								1	1
water					1		1	1					9											1	13
abnormal																									

environment					2				1	1				1								2			7
high/cold temperature environment			2		2		1	5	3	1	1		1	2	4		2	1	3	3	1	2	3		37
other environments			7		4		8	5	3	10	4	4	11	11	10	10	7	6	5	18	6	9	13	14	165
other causal agent			4		7		1	6	5	5	4	2	6	2	2		5	9	5	4	3	17	101	7	195
no causal agent			19		16		26	22	20	21	15	29	25	28	13	22	21	24	24	34	26	30	38	42	495
unclassifiable			1		6				2	2	1				1		1		1				2		17
total	436	500	447	389	398	389	397	367	406	376	279	303	332	292	274	306	282	312	308	327	298	342	464	379	8,603

Workers age of fatal and non-fatal accidents in electronics equipment and telecommunications apparatus in 1999-2022

Age	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
19 years old or less	19	22	20	16	15	14	8	12	6	8	3	4		3	4	5	6	4	3	2	3	4	4	8	193
20-29	93	133	124	100	88	103	104	88	86	87	39	49	70	48	45	52	34	45	30	39	43	43	67	46	1,656
30-39	112	110	100	94	104	101	110	103	117	101	80	84	80	73	57	60	69	66	60	60	48	52	90	65	1,996
40-49	101	90	85	80	69	84	80	86	88	84	86	76	96	89	82	75	85	82	76	98	84	96	125	90	2,087
50-59	89	123	95	87	89	68	80	61	91	72	50	70	63	58	61	83	59	83	97	98	93	99	115	116	2,000
60 years old or more	22	22	23	12	33	19	15	17	18	24	21	20	23	21	25	31	29	32	42	30	27	48	63	54	671
total	436	500	447	389	398	389	397	367	406	376	279	303	332	292	274	306	282	312	308	327	298	342	464	379	8,603

Workers' number of workplace of fatal and non-fatal accidents in electronics equipment and telecommunications apparatus in 1999-2022

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	2022	total
9 workers or less	45	68	55	55	47	36	37	39	34	34	26	22	15	9	13	26	19	7	18	20	11	13	14	10	673
10-29	75	79	82	68	76	67	54	49	36	37	29	28	40	45	31	46	33	24	33	31	38	28	46	26	1,101
30-49	58	72	50	43	56	52	41	38	31	40	22	21	36	29	28	33	23	35	32	28	16	34	25	35	878
50-99	58	73	70	50	67	60	72	47	66	47	45	52	40	43	46	53	43	44	47	39	52	49	78	53	1,294
100-299	106	121	87	97	74	102	107	124	107	97	70	89	81	70	71	65	73	88	77	89	77	101	122	112	2,207
300 workers or more	94	87	103	76	78	72	86	70	132	121	87	91	120	96	85	83	91	114	101	120	104	117	179	143	2,450
total	436	500	447	389	398	389	397	367	406	376	279	303	332	292	274	306	282	312	308	327	298	342	464	379	8,603

Month of fatal and non-fatal accidents in electronics equipment and telecommunications apparatus in 1999-2022

Month	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
January	40	47	49	33	51	32	35	37	34	34	28	31	30	26	38	29	24	26	33	46	23	37	49	46	858
February	42	37	50	36	24	30	31	42	33	49	30	23	31	36	21	35	27	23	35	30	33	28	24	40	790
March	43	48	38	38	32	38	51	29	51	31	31	26	40	27	24	26	26	28	23	37	24	31	29	25	796
April	38	31	29	21	30	39	28	31	30	32	27	23	25	27	27	24	20	34	14	22	24	26	61	30	693
May	26	36	41	40	39	34	23	27	43	35	16	26	20	16	16	25	24	21	22	25	24	33	40	21	673
June	37	43	36	35	30	23	33	30	38	33	14	21	27	29	21	33	24	23	29	26	21	28	27	30	691

July	37	39	50	40	22	44	41	33	34	31	28	30	26	27	33	25	37	25	22	23	33	23	45	37	785
August	41	41	25	35	39	31	33	21	27	27	14	28	33	26	18	16	23	32	25	16	31	31	61	25	699
September	34	42	34	30	20	32	25	31	27	29	27	28	26	23	28	26	20	26	21	25	17	30	25	44	670
October	36	47	42	30	44	37	37	34	36	28	23	23	23	23	17	21	22	24	23	27	20	28	34	34	713
November	35	46	28	27	27	27	30	26	29	23	20	29	26	19	11	27	20	30	34	30	26	23	43	25	661
December	27	43	25	24	40	22	30	26	24	24	21	15	25	13	20	19	15	20	27	20	22	24	26	22	574
total	436	500	447	389	398	389	397	367	406	376	279	303	332	292	274	306	282	312	308	327	298	342	464	379	8,603

Prefecture of fatal and non-fatal accidents in electronics equipment and telecommunications apparatus in 1999-2022

Prefecture	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
Hokkaido	7	7	4		5		3	6	5	3	4	3	6	2	1	2	2	3	3	2		7	5	4	84
Aomori	10	1	2		1		8	5	5	7	3	3	3	3	5	6	2	5	8	4	2	6	11	15	115
Iwate	10	12	8		12		8	8	10	4	7	5	10	2	10	8	9	5	6	3	8	8	10	13	176
Miyagi	12	14	8		14		11	21	6	24	11	7	17	8	13	4	8	13	9	11	15	9	22	22	279
Akita	12	8	12		13		9	6	9	5	6	9	11	5	6	7	5	10	9	11	6	5	11	8	183
Yamagata	19	14	13		11		8	19	14	6	6	10	13	12	6	14	6	19	10	16	11	11	8	15	261
Fukushima	21	19	16		24		23	17	19	10	16	18	14	15	9	10	9	11	17	15	22	10	13	17	345
Ibaraki	11	10	6		7		7	10	10	7	8	11	12	5	7	7	5	5	5	8	4	3	7	4	159
Tochigi	3	18	13		10		10	7	2	5	2	3	8	8	8	14	7	6	4	3	2	4	6	4	147
Gunma	7	14	13		18		4	6	9	8	4	10	8	7	5	10	10	7	5	5	7	9	11	9	186

Saitama	13	12	19		15		12	17	18	13	10	11	12	7	7	13	9	10	11	13	10	12	5	18	267
Chiba	5	6	8		4		9	6	7	8	9	4	2	5	5	7	6	8	6	3	3	9	7	3	130
Tokyo	20	33	21		20		17	16	13	20	5	9	10	8	8	10	10	14	6	12	7	4	6	11	280
Kanagawa	26	45	21		21		18	19	15	24	13	9	20	16	13	12	11	11	12	15	7	11	18	10	367
Niigata	17	9	11		9		15	5	17	7	6	11	5	7	8	8	10	10	12	11	9	3	9	5	204
Toyama	6	12	10		11		9	14	13	11	6	11	8	11	4	5	5	5	8	17	10	7	11	5	199
Ishikawa	4	8	10		7		11	5	12	9	8	6	10	5	3	11	4	8	7	7	7	14	5	4	165
Fukui	3	9	10		5		7	7	8	6	5	4	7	2	7	8	5	4	7	13	5	11	11	7	151
Yamanashi	5	12	15		4		5	7	9	5	4	7	6	3	5	5	5	6	5	4	2	6	6	13	139
Nagano	37	27	34		29		13	17	18	21	13	14	17	22	27	19	15	13	16	23	29	15	33	29	481
Gifu	10	10	11		3		10	4	9	7	6	3	6	8	5	6	4	13	11	10	10	22	12	10	190
Shizuoka	11	17	12		11		14	11	14	9	11	5	5	10	5	11	11	9	12	7	11	11	13	15	235
Aichi	13	9	10		9		11	13	16	14	10	9	12	9	11	13	11	12	14	10	9	9	10	19	253
Mie	8	15	10		14		28	13	18	15	8	17	11	12	10	15	9	8	14	9	12	11	43	12	312
Shiga	10	16	9		9		7	9	11	16	3	6	8	4	8	8	8	14	6	7	6	8	10	13	196
Kyoto	8	7	8		6		8	2	7	3	5	6	5	5	4	3	7	5	8	7	7	9	6	2	128
Osaka	24	15	11		12		10	11	13	20	8	8	8	7	12	4	17	8	11	11	14	12	8	14	258
Hyogo	14	14	20		18		14	14	16	17	16	14	12	11	10	12	20	11	11	15	11	11	10	11	302
Nara	3	1	2		4		1	3	2	4	5	2	3	2	6	1	4	2	4	1	3	3	2	1	59
Wakayama	2	3	6		1		1	3	2	1		3	2	1	2	1	1		3	3			6		41
Tottori	4	13	7		7		4	3	3	3	4	7	1	5	2	3	1	2		3	2	2	3	4	83

Shimane	4	5	9		4		7	2	4	4	2	8	4	5	3	4	5	4	5	2	4	13	9	9	116
Okayama	7	6	11		6		3	9	12	8	7	9	2	5	2	3	4	5	5	9	4	8	5	5	135
Hiroshima	3	5	13		6		7	7	8	2	2	5	5	8	4	3	1	3	5	2	2	6	25	1	123
Yamaguchi	2	1	2		1			2	3	2	2		1	4		1	2	1		1	1	4	3		33
Tokushima	1	4	5		2		6		5	1		2	5	4	4	4	2	4	4	3		9	9	9	83
Kagawa	2	2	3		1		3	2	1	3		2	2	1	4	5		2	1	1	2		4	1	42
Ehime	4	4	5		3		2	2	2	2	6	2	1	2		1		3	3	1	3	2	1	3	52
Kochi	5	3	2				1	2	1	5	2		3	4		1	4	4	2	1		2	1		43
Fukuoka	9	19	12		6		10	8	8	14	6	6	10	2	6	5	4	2	6	7	3	5	18	8	174
Saga	18	1	1		1		4	3	1	2	5	1	3	2	2		5	5	2	2	4	3	5	7	77
Nagasaki	5	3	3				1	3		2	4	1	5	3		1		2	1	2	3	2		1	42
Kumamoto	5	12	8		10		13	8	10	7	7	8	13	13	7	8	10	5	6	6	10	4	10	5	185
Oita	6	9	3		4		7	3	1	2	1	4	1	4		3	4	4	1	2	4	4	7	1	75
Miyazaki	6	3	1		4		3	3	7	1	3	1	1	2	1	1	1	4	4	5			3	2	56
Kagoshima	4	13	9		16		15	9	11	8	10	9	4	6	9	9	4	7	3	4	7	17	26	10	210
Okinawa									2	1												1			4
total	436	500	447	389	398	389	397	367	406	376	279	303	332	292	274	306	282	312	308	327	298	342	464	379	8,603

Fatal and non-fatal accidents mean fatal and non-fatal injuries and occupational diseases with work absence of 4 days and more.

Data of 2022 year do not include Covid-19 cases. Data of 2020 & 2021 year include Covid-19 cases. Fatal and non-fatal data are same situation.

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.html (MHLW, Japan)

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Fatal accidents in electronics equipment and telecommunications apparatus in Japan in 1999-2022

electronics equipment and telecommunications apparatus industry Code No.011403

Type of fatal accidents in electronics equipment and telecommunications apparatus in 1999-2022

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	2022	total
fall from height	1					1	1					1		1						1					6
falling to same level																									
crash																									
struck by flying or falling object																									
collapse																									
crashed by																									
caught in/between	2		1						1		2				1								1		8
cut																									
injury to the sole of the foot																									

drown													6												6
contact to high/low-temperature																									
contact to harmful substance					1	1					1											2			5
electric shock	1	1																							2
explosion																									
burst										1															1
fire		1	1																						2
traffic accident (public road)	1	2	2	2	1		3		1		1		1	1	1										16
traffic accident (others)							1																		1
reaction to motion/improper motion																									
others						2	1		1			1	1				1	1	1				1		10
unclassifiable																									
total	5	4	4	2	2	4	6		3	1	4	2	8	2	2		1	1	1	1		2	2		57

Causal agents (large) of fatal accidents in electronics equipment and telecommunications apparatus in 1999-2022

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	2022	total
machine	2	1									2				1										6
crane, conveying machine	2	2	3	2	1		4		2		1		1	1	1										20
other equipment	1											1								1					3
temporary buildings, establishments						1	1							1											3
substance, material		1	1							1	1														4
load																							1		1
environment					1								7									2			10
others						3	1		1			1					1	1	1				1		10
total	5	4	4	2	2	4	6		3	1	4	2	8	2	2		1	1	1	1		2	2		57

Causal agents (middle) of fatal accidents in electronics equipment and telecommunications apparatus in 1999-2022

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	2022	total
engine																									
power transmission mechanism																									

woodworking machine																									
construction machine																									
metal manufacturing machine	1																								1
general machine	1	1									2				1										5
mobile silviculture machine																									
crane			1																						1
conveying machine	1			1	1				1		1				1										6
vehicle	1	2	2	1			4		1				1	1											13
pressure vessel																									
chemical facilities																									
welding equipment																									
kiln, caldron																									
electric equipment	1																								1
human power machine, tools																									
tools																				1					1
other equipments,																									

facilities												1													1
temporary buildings, establishments						1	1							1											3
hazards, harmful substances		1	1							1	1														4
materials																									
load																							1		1
natural environment					1								7									2			10
other causal agent						3																	1		4
no causal agent							1		1			1					1	1	1						6
unclassifiable																									
total	5	4	4	2	2	4	6		3	1	4	2	8	2	2		1	1	1	1		2	2		57

Causal agents (small) of fatal accidents in electronics equipment and telecommunications apparatus in 1999-2022

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	2022	total
engine																									
power transmission mechanism																									

circular sawing machine																									
band sawing machine																									
wood planer machine																									
hollow chisel mortiser, wood borer																									
chamfering machine, router, woodworking milling machine																									
chain saw																									
other woodworking machines																									
leveling, transporting or loading machine																									
excavating machine																									
foundation work machine																									
hardening machine																									

demolition machine																									
vehicle for high lift work																									
other construction machines																									
lathe																									
drill press, milling machine																									
grinding machine, buffing machine	1																								1
power press																									
forging pressure hammer																									
shearing machine																									
other metal manufacturing machines																									
centrifugal machine																									
mixer, grinder																									
roll machine (except printingroll machine)																									

injection molding machine											1														1
food manufacturing machine																									
printing machine																									
industrial robot																									
other general power machines	1	1									1				1										4
felling machine																									
mobile logging machine																									
skyline yarding machine																									
other mobile silviculture machine																									
crane																									
mobile crane																									
derrick crane																									
elevator, lift			1																						1
cargo lifting appliance																									
gondola																									

lumberyard equipment, logging cableway																									
simple skyline yarding equipment																									
other powered crane																									
truck				1	1				1		1				1										5
forklift	1																								1
railway equipment																									
conveyor																									
loader																									
straddle carrier																									
rough terrain hauler																									
other powered conveying machines																									
cars, bus, motorcycle	1	2	2	1			3		1				1	1											12
railway vehicle							1																		1
other vehicles																									
boiler																									

pressure vessel																									
other pressure vessels																									
chemical facilities																									
gas welding equipment																									
arc welding equipment																									
other welding equipment																									
kiln, caldron																									
industrial dryer																									
other kiln, caldron																									
transmission																									
electric power facilities	1																								1
other electrical equipment																									
human power cranes																									
human power hauling equipment																									

human power machine																									
hand tool																									
ladder																				1					1
slinging tool																									
other tools																									
other equipment, facilities												1													1
scaffolding																									
timbering																									
stairs, landing stage						1								1											2
opening																									
roof, beam, haze, crossbeam, principal rafter																									
working platform, boot board																									
passage																									
building, establishment							1																		1
other temporary buildings,																									

establishments																									
explosive substance																									
inflammable substance			1																						1
inflammable gas																									
harmful substance											1														1
radiation																									
other hazards, harmful substances		1								1															2
metal material																									
lumber, bamboo																									
stone, sand, substance																									
other materials																									
load																							1		1
machine/equipment as load																									
natural ground, rock																									
standing tree																									
water													7												7
abnormal																									

environment					1																	2			3
high/cold temperature environment																									
other environments																									
other causal agent						3																	1		4
no causal agent							1		1			1					1	1	1						6
unclassifiable																									
total	5	4	4	2	2	4	6		3	1	4	2	8	2	2		1	1	1	1		2	2		57

Workers age of fatal accidents in electronics equipment and telecommunications apparatus in 1999-2022

Age	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
19 years old or less																									
20-29	1		2	1	1		2					1	1									1	1		11
30-39	1	1				2	1		1						1		1		1						9
40-49	2	2		1		1	3		1	1	3	1	2	1	1			1							20
50-59			2		1	1			1		1		3									1			10
60 years old or more	1	1											2	1						1			1		7
total	5	4	4	2	2	4	6		3	1	4	2	8	2	2		1	1	1	1		2	2		57

Workers' number of workplace of fatal accidents in electronics equipment and telecommunications apparatus in 1999-2022

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	2022	total
9 workers or less		1		2									2												5
10-29		1	1			1							4	1	1								1		10
30-49	1	1									1														3
50-99			2		1	1	2		1		2		1												10
100-299	1				1	1	1					2		1			1	1		1		2			12
300 workers or more	3	1	1			1	3		2	1	1		1		1				1				1		17
total	5	4	4	2	2	4	6		3	1	4	2	8	2	2		1	1	1	1		2	2		57

Month of fatal accidents in electronics equipment and telecommunications apparatus in 1999-2022

Month	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
January				1	1	1					1	1					1		1				1		8
February	1	1	1				2																		5
March							2		1				8												11
April			1			1					1			1											4
May					1						1	1													3
June			2	1		2									1			1							7

July		1													1					1		2			5
August	1	1																							2
September	1	1							1	1													1		5
October	2						1		1					1											5
November											1														1
December							1																		1
total	5	4	4	2	2	4	6		3	1	4	2	8	2	2		1	1	1	1		2	2		57

Prefecture of fatal accidents in electronics equipment and telecommunications apparatus in 1999-2022

Prefecture	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total
Hokkaido		1																							1
Aomori																									
Iwate													1												1
Miyagi						1					1		6	1								2			11
Akita							1																		1
Yamagata	1	1							1										1						4
Fukushima							1		1																2
Ibaraki												1													1
Tochigi				1																					1
Gunma			1			1				1															3

Saitama				1			1							1											3
Chiba						1					1														2
Tokyo	1				1												1								3
Kanagawa	2	1	1				1																1		6
Niigata												1													1
Toyama																		1							1
Ishikawa																									
Fukui																									
Yamanashi			1																						1
Nagano		1	1												1										3
Gifu	1																								1
Shizuoka													1												1
Aichi									1																1
Mie							2																		2
Shiga																									
Kyoto																									
Osaka											1				1										2
Hyogo					1						1														2
Nara																									
Wakayama																									
Tottori																									

Shimane																									
Okayama																									
Hiroshima																									
Yamaguchi																									
Tokushima																									
Kagawa																									
Ehime																									
Kochi																									
Fukuoka						1																			1
Saga																									
Nagasaki																									
Kumamoto																									
Oita																									
Miyazaki																				1					1
Kagoshima																							1		1
Okinawa																									
total	5	4	4	2	2	4	6		3	1	4	2	8	2	2		1	1	1	1		2	2		57

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

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