telecommunication service industry Code No.11

Type of accidents in telecommunication service 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	19	13	18	37	40	58	215	275	198	201	201	184	173	187	146	150	139	159	186	163	178	164	166	3,270	fall from height
falling to same level	48	32	33	70	123	178	914	1,013	907	844	815	749	812	756	666	686	601	591	598	690	608	653	683	13,070	falling to same level
crash	8	7	3	14	20	30	112	158	135	148	102	93	92	101	92	99	74	91	97	108	90	91	81	1,846	crash
struck by flying or falling object	3	3	1	4	3	8	27	30	31	33	27	37	32	43	25	36	29	39	38	22	16	15	19	521	struck by flying or falling object
collapse		2	1	3	4	8	38	43	42	41	39	49	30	49	37	30	31	31	42	27	21	23	20	611	collapse
crashed by	2	4	5	5	6	8	73	73	60	73	56	70	72	69	51	64	49	47	44	54	50	55	41	1,031	crashed by
caught in/between	6	3	2	11	15	22	108	167	147	144	101	131	122	123	100	117	118	107	126	97	95	97	110	2,069	caught in/between
cut		2	1	3	3	5	26	21	28	26	6	13	16	10	13	9	7	12	9	8	11	10	7	246	cut
injury to the sole of the foot	1					2	4	3	2	2	1		1	2	3	1	2	1	2	2	3	3	3	38	injury to the sole
drown												2	19							1				22	drown
contact to high/low- temperature		1				1	3	6	4	3	3	11	4	5	9	7	4	5	6	17	11	15	8	123	contact to high/low- temperature
contact to harmful																									contact to

substance				2		1	1		1	1		1			1			2	1		1	1		13	harmful
Substance																									substance
electric shock								1			1					1								3	electric shock
explosion														1							2			3	explosion
burst																									burst
fire							1					1						1						3	fire
traffic accident (public road)		33	46	145	284	410	1,846	2,021	1,789	1,682	1,468	1,307	1,155	1,203	1,059	970	897	992	922	999	863	866	806	21,810	traffic accident (public road)
traffic accident (others)		2		1	1	3	4	16	15	4	5	4	10	8	12	5	4	11	7	7	11	7	6	143	traffic accident (others)
reaction to motion/improper motion	12	10	6	21	49	50	278	266	289	298	284	309	307	288	279	282	244	290	295	310	268	306	336	5,077	reaction to motion/improper motion
others	3		1	1	4	7	56	20	27	20	15	20	31	12	15	9	20	16	15	15	21	54	137	519	others
unclassifiable	1	2			2	1	5	4	6	4	1	5		3	5	3	1	1	5	3	3	2	2	59	unclassifiable
total	150	114	117	317	554	792	3,711	4,117	3,681	3,524	3,125	2,986	2,876	2,860	2,513	2,469	2,220	2,396	2,393	2,523	2,252	2,362	2,425	50,477	total

Causal agents (large) of fatal and non-fatal accidents in telecommunication service 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	l .	Causal (L) agents
machine	2	2	3	2	5	5	9	5	11	9	8	4	8	8	3	4	4	6	6	3	3	5	4	119	machine
crane, conveying machine	63	43	57	182	348	515	2,392	2,698	2,397	2,211	1,934	1,741	1,569	1,588	1,391	1,270	1,178	1,240	1,181	1,269	1,151	1,122	1,072		crane, conveying machine
																									other

other equipment	12	11	11	26	31	38	181	197	180	217	167	222	214	216	188	235	204	222	236	203	154	181	197	3,543	equipment
temporary buildings, establishments	47	32	35	70	119	172	697	854	769	736	709	675	690	693	588	590	533	587	599	662	637	665	639		temporary buildings, establishments
substance, material	4	6		4	2	5	23	16	16	11	7	13	21	9	13	11	7	14	10	3	10	9	12	226	substance, material
load	2	3	2	12	17	12	105	92	104	96	86	107	88	100	86	95	117	113	131	119	76	100	100	1,763	load
environment	9	6	4	12	14	22	153	137	92	126	99	98	137	113	132	143	80	108	113	130	90	94	116	2,028	environment
others	11	11	5	9	18	23	151	118	112	118	115	126	149	133	112	121	97	106	117	134	131	186	285	2,388	others
total	150	114	117	317	554	792	3,711	4,117	3,681	3,524	3,125	2,986	2,876	2,860	2,513	2,469	2,220	2,396	2,393	2,523	2,252	2,362	2,425	50,477	total

Causal agents (middle) of fatal and non-fatal accidents in telecommunication service 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		Causal (M) agents
engine							1				1		1		1			1					1	6	engine
power transmission mechanism							1		3									1	1		1	1		8	power transmission mechanism
woodworking machine				1	1				1															3	woodworking machine
construction machine	1	1	2	1	2	2	1	1		3			3	1	1	2			1			1	1	24	construction machine
metal manufacturing																1								1	metal manufacturing

																									machine
general machine	1	1	1		2	3	6	4	7	6	7	4	4	7	1	1	4	4	4	3	2	3	2	77	general machine
mobile silviculture machine																									mobile silviculture machine
crane	1	2		1	1		5	9	5	8	2	6	3	8	3	1	4	3	3	5	3	1	2	76	crane
conveying machine	11	1	2	10	8	10	51	65	56	61	65	58	48	48	33	31	42	36	43	38	22	34	27	800	conveying machine
vehicle	51	40	55	171	339	505	2,336	2,624	2,336	2,142	1,867	1,677	1,518	1,532	1,355	1,238	1,132	1,201	1,135	1,226	1,126	1,087	1,043	27,736	vehicle
pressure vessel																									pressure vessel
chemical facilities																									chemical facilities
welding equipment								1					1											2	welding equipment
kiln, caldron																									kiln, caldron
electric equipment	1	1			1	1	3			4	1	3	1		3	2	2	7		3	1	2	4	40	electric equipment
human power machine,	2	3	6	12	12	18	100	120	95	128	95	125	124	141	100	134	113	133	156	122	85	99	115	2,038	human power machine, tools
tools	4	6	5	8	15	13	47	50	59	66	50	68	66	53	64	69	66	61	65	59	51	57	60	1,062	tools
other equipments,	5	1		6	3	6	31	26	26	19	21	26	22	22	21	30	23	21	15	19	17	23	18	401	other equipments, facilities
temporary buildings,	47	32	35	70	119	172	697	854	769	736	709	675	690	693	588	590	533	587	599	662	637	665	639	11,798	temporary buildings,

establishments																									establishments
hazards, harmful																								10	hazards,
substances				2			2					1						2			2			10	harmful substances
materials	4	6		2	2	5	21	15	16	11	7	12	21	9	13	11	7	12	10	3	8	9	12	216	materials
load	2	3	2	12	17	12	105	92	104	96	86	107	88	100	86	95	117	113	131	119	76	100	100	1,763	load
natural environment	9	6	4	12	14	22	153	137	92	126	99	98	137	113	132	143	80	108	113	130	90	94	116	2,028	natural environment
other causal agent	2	6	1	1	3	3	72	41	30	29	25	23	41	29	30	16	22	18	17	23	28	62	142	664	other causal
no causal agent	6	3	4	6	13	19	71	71	75	83	87	99	105	102	78	100	73	87	97	106	101	123	140	1,649	no causal agent
unclassifiable	3	2		2	2	1	8	6	7	6	3	4	3	2	4	5	2	1	3	5	2	1	3	75	unclassifiable
total	150	114	117	317	554	792	3,711	4,117	3,681	3,524	3,125	2,986	2,876	2,860	2,513	2,469	2,220	2,396	2,393	2,523	2,252	2,362	2,425	50,477	total

Causal agents (small) of fatal and non-fatal accidents in telecommunication service 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							1				1		1		1			1					1	6	engine
power transmission mechanism							1		3									1	1		1	1		8	power transmission mechanism
circular sawing									1															1	circular sawing machine
band sawing machine																									band sawing machine

wood planer																		wood planer
machine																		machine
hollow chisel																		hollow chisel
mortiser, wood																		mortiser, wood
borer																		borer
chamfering																		chamfering
machine, router,																		machine, router,
woodworking																		woodworking
milling machine																		milling machine
chain saw																		chain saw
other woodworking			1														1	other woodworking
machines																		machines
leveling,																		leveling,
transporting or										1						1	2	transporting or
loading machine																		loading machine
excavating machine			1	1		1					1						4	excavating machine
foundation work																		foundation work
machine																		machine
hardening machine																		hardening machine
demolition machine																		demolition machine
vehicle for high lift			1		1			2			1		1				12	vehicle for high lift
work		2	I		I	2		3	1		I		I				12	work
other construction															1		1	other construction
machines																	'	machines
lathe																		lathe
drill press, milling																		drill press, milling

machine																						machine
grinding machine,																						grinding machine,
buffing machine																						buffing machine
power press																						power press
forging pressure																						forging pressure
hammer																						hammer
shearing machine													1								1	shearing machine
other metal																						other metal
manufacturing																						manufacturing
machines																						machines
centrifugal machine																						centrifugal machine
mixer, grinder				1																	1	mixer, grinder
roll machine (except																						roll machine (except
printingroll																						printingroll
machine)																						machine)
injection molding																						injection molding
machine																						machine
food manufacturing											1										1	food manufacturing
machine																						machine
printing machine				1				1	1												3	printing machine
industrial robot																						industrial robot
other general		1	2	4	4	7	6	6	3	4	6	1	1	4	4	4	3	2	2	2	67	other general
power machines			2	4	4	/	0	0) 	4	0	1	ı	4	4	4	٥		3		07	power machines
felling machine																						felling machine
mobile logging																						mobile logging

machine																						machine
skyline yarding machine																						skyline yarding machine
other mobile																						other mobile
silviculture machine																						silviculture machin
crane					2				1	1		1						1			6	crane
mobile crane					1		1										1				3	mobile crane
derrick crane				1	1	1												1			4	derrick crane
elevator, lift			1	4	5	4	6	2	3	2	8	2	1	4	2	3	4	1	1	1	54	elevator, lift
cargo lifting									1												1	cargo lifting
appliance																						appliance
gondola																						gondola
lumberyard																						lumberyard
equipment, logging																						equipment, loggin
cableway																						cableway
simple skyline																						simple skyline
yarding equipment																						yarding equipmen
other powered																						other powered
crane															1					1	4	crane
truck		2	7	39	58	44	46	56	41	38	38	27	24	34	31	32	32	18	27	20	614	truck
forklift					1	2	2	1	4	3	3	2	2	3			1	2	2	1	29	forklift
railway equipment																						railway equipmen
conveyor				7	5	9	10	6	12	5	4	2	4	3	3	8	4	1	4	2	89	conveyor
loader																						loader
straddle carrier																						straddle carrier

rough terrain hauler																				1	1	rough terrain hauler
other powered conveying machines			1	5	1	1	3	2	1	2	3	2	1	2	2	3	1	1	1	3	35	other powered conveying machines
cars, bus, motorcycle		51	331	2,273	2,548	2,258	2,096	1,833	1,639	1,445	1,462	1,331	1,220	1,124	1,195	1,123	1,221	1,123	1,086	1,037	26,396	cars, bus, motorcycle
railway vehicle		1			1		1										1			1	5	railway vehicle
other vehicles		3	8	63	75	78	45	34	38	73	70	24	18	8	6	12	4	3	1	5	568	other vehicles
boiler																						boiler
pressure vessel																						pressure vessel
other pressure vessels																						other pressure vessels
chemical facilities																						chemical facilities
gas welding equipment										1											1	gas welding equipment
arc welding equipment																						arc welding equipment
other welding equipment					1																1	other welding equipment
kiln, caldron																						kiln, caldron
industrial dryer																						industrial dryer
other kiln, caldron																						other kiln, caldron
transmission			1	2			3	1	2			3	1	2	6		2	1	1	3	28	transmission
electric power facilities				1			1														2	electric power facilities
other electrical									1	1			1		1		1		1	1	7	other electrical

equipment																						equipment
human power cranes									1			1					2	9	8	29	50	human power cranes
human power hauling equipment	5		10	92	114	85	121	94	121	117	141	97	130	111	132	154	119	71	90	85	1,889	human power hauling equipment
human power machine					2	1	1			2		1	1			1		2		1	12	human power machine
hand tool	1		2	8	4	9	6	1	3	5		1	3	2	1	1	1	3	1		52	hand tool
ladder	2		7	10	12	16	10	12	15	15	9	9	10	10	15	14	14	17	14	9	220	ladder
slinging tool																						slinging tool
other tools	3		8	37	38	43	56	38	53	51	44	55	59	56	46	51	45	34	43	51	811	other tools
other equipment,			3	31	26	26	19	21	26	22	22	21	30	23	21	15	19	17	23	18	383	other equipment,
scaffolding			2			2		1		2	1			1	1	1			1	2	14	scaffolding
timbering						1						1									2	timbering
stairs, landing stage	10	6	52	326	433	360	293	321	289	265	294	239	236	201	216	244	242	263	260	246	4,796	stairs, landing stage
opening			1	2	2	4	2	2	1		4	1	3	1	3	5	2	2	2	4	41	opening
roof, beam, haze, crossbeam, principal rafter	2		1	2	2		3	1	1	2	2		1	1	2		1		2	1	24	roof, beam, haze, crossbeam, principal rafter
working platform,	2		9	28	20	30	29	22	32	27	30	21	27	22	19	28	30	14	21	15	426	working platform, boot board
passage	10	0	37	201	255	231	260	233	220	274	232	208	222	192	222	210	274	242	260	263	4,046	passage
building, establishment	4		9	83	71	97	90	70	80	74	85	70	61	65	60	67	70	72	70	59	1,257	building, establishment

other temporary																					other temporary
buildings,	1	8	55	71	44	59	59	52	46	45	48	40	50	64	44	43	44	49	49	871	buildings,
establishments																					establishments
explosive substance																	2			2	explosive substance
inflammable																					inflammable
substance																					substance
inflammable gas																					inflammable gas
harmful substance								1						1						2	harmful substance
radiation																					radiation
other hazards,				1										1							other hazards,
harmful substances			2	ı																4	harmful substances
metal material		1	9	8	3	4	1	5	9	3	4	3	2	7	4	1	2	3	1	70	metal material
lumber, bamboo			1	1	3	1	2	1	2	1	3		1	2	2	1	1			22	lumber, bamboo
stone, sand,					_	_		1	_	1				1				1		F.C.	stone, sand,
substance			8		5	5	2	4	,		3	4	1		2		3		8	56	substance
other materials		1	3	5	5	1	2	2	3	4	3	4	3	2	2	1	2	5	3	51	other materials
load	2	17	101	90	101	94	85	104	88	99	86	95	116	112	131	119	76	100	97	1,713	load
machine/equipment																					machine/equipmen
as load			4	2	3	2	1	3		1			1	1					3	21	as load
natural ground,																					natural ground,
rock		1	13	9	6	12	7	5	6	6	5	4	3	4	5	5	4	7	1	104	rock
standing tree			3	3		3		1	1	2	4		4	5	2	3	5	3	6	45	standing tree
water		1	6	7		1	4	6	35	1	3	2		2	5	4	1	2	1	81	water
abnormal						2	1	1	1		1			1	1	1					abnormal
environment						2	1	1						'						9	environment

high/cold																						high/cold
temperature				8	10	3	5	3	11	2	7	15	8	6	5	7	18	12	16	11	147	temperature
environment																						environment
other environments		3	12	123	108	83	103	84	74	92	97	104	129	67	91	93	99	68	66	97	1,593	other environments
other causal agent		1	3	72	41	30	29	25	23	41	29	30	16	22	18	17	23	28	62	142	652	other causal agent
no causal agent		4	13	71	71	75	83	87	99	105	102	78	100	73	87	97	106	101	123	140	1,615	no causal agent
unclassifiable			2	8	6	7	6	3	4	3	2	4	5	2	1	3	5	2	1	3	67	unclassifiable
total		117	554	3,711	4,117	3,681	3,524	3,125	2,986	2,876	2,860	2,513	2,469	2,220	2,396	2,393	2,523	2,252	2,362	2,425	49,104	total

Workers age of fatal and non-fatal accidents in telecommunication service 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	2	1	2	7	13	20	88	119	71	67	67	50	33	34	23	18	27	47	36	37	43	38	29	872	19 years old or less
20-29	35	30	19	101	113	178	835	875	859	668	536	550	532	447	426	429	370	395	351	359	291	293	284	8,976	20-29
30-39	23	18	29	72	126	196	877	977	828	780	751	709	661	651	560	508	436	462	453	456	450	412	430	10,865	30-39
40-49	34	25	27	54	113	159	728	812	716	683	628	596	612	665	599	642	585	613	648	661	558	625	651	11,434	40-49
50-59	49	35	36	77	155	192	901	987	872	939	759	688	691	740	617	638	578	602	606	670	609	654	705	12,800	50-59
60 years old or	7	5	4	6	34	47	282	347	335	387	384	393	347	323	288	234	224	277	299	340	301	340	326	5,530	60 years old or
more							202	347		307	304		347	323	200	254	227		2,5	340	501	340	320	11 '	more
total	150	114	117	317	554	792	3,711	4,117	3,681	3,524	3,125	2,986	2,876	2,860	2,513	2,469	2,220	2,396	2,393	2,523	2,252	2,362	2,425	50,477	total

Workers' number of workplace of fatal and non-fatal accidents in telecommunication service 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	14	8	7	8	15	13	85	71	116	97	81	75	95	93	57	65	75	59	48	71	74	60	87	1,374	9 workers or less

10-29	17	11	13	25	43	21	274	225	131	112	84	80	87	68	59	49	24	36	24	40	47	40	42	1,552	10-29
30-49	7	8	7	20	21	14	185	144	96	121	90	117	108	114	59	26	24	14	23	16	19	23	31	1,287	30-49
50-99	18	12	16	42	80	85	463	461	308	337	376	304	288	291	184	163	141	178	158	183	184	196	197	4,665	50-99
100-299	46	29	24	88	203	357	1,277	1,375	1,279	1,326	1,252	1,142	1,110	1,161	1,129	1,021	937	996	977	1,062	948	1,080	1,203	20,022	100-299
300 workers or	48	46	50	134	192	302	1 427	1 841	1 751	1 531	1 242	1 268	1 188	1 133	1 025	1 145	1 019	1 113	1 163	1,151	980	963	865	21,577	300 workers or
more						302	1,727	1,041	1,731	1,551	1,272	1,200	1,100	1,133	1,023	1,143	1,015	1,113	1,103	1,131		503	003	1 ' 1	more
total	150	114	117	317	554	792	3,711	4,117	3,681	3,524	3,125	2,986	2,876	2,860	2,513	2,469	2,220	2,396	2,393	2,523	2,252	2,362	2,425	50,477	total

Month of fatal and non-fatal accidents in telecommunication service 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	9	13	13	14	28	86	387	456	325	414	358	339	314	318	316	223	234	247	227	339	229	199	286	5,374	January
February	14	6	11	18	26	59	334	336	293	378	259	276	206	288	184	308	158	189	190	186	199	175	190	4,283	February
March	9	9	15	17	31	54	341	293	347	262	252	235	262	229	183	200	177	162	203	238	168	165	218	4,070	March
April	12	8	5	48	41	81	261	308	315	276	235	229	207	191	182	164	165	189	175	160	150	200	193	3,795	April
May	9	11	9	38	37	59	283	318	309	289	235	200	210	223	213	153	186	184	176	218	185	170	183	3,898	May
June	11	9	4	25	41	77	332	314	303	275	268	225	210	216	204	186	175	196	173	199	195	219	176	4,033	June
July	19	11	8	35	58	63	314	375	372	283	286	273	222	223	215	207	216	209	190	218	234	266	194	4,491	July
August	13	12	4	36	48	58	358	293	325	258	217	231	222	172	193	201	176	184	169	178	197	176	208	3,929	August
September	16	5	11	30	32	58	241	305	244	229	202	195	239	214	163	172	161	205	191	170	176	182	195	3,636	September
October	9	14	14	25	59	77	292	362	297	268	270	253	245	237	223	202	184	197	257	189	174	192	195	4,235	October
November	17	12	12	17	66	50	248	350	258	271	249	217	265	213	197	195	171	217	199	211	159	181	183	3,958	November
December	12	4	11	14	87	70	320	407	293	321	294	313	274	336	240	258	217	217	243	217	186	237	204	4,775	December
total	150	114	117	317	554	792	3,711	4,117	3,681	3,524	3,125	2,986	2,876	2,860	2,513	2,469	2,220	2,396	2,393	2,523	2,252	2,362	2,425	50,477	total

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
	5		3		31	2001				233	198	169	147	172	136	159	117	136	159	161	145	160	156		Hokkaido
		2	3																						
Aomori	1	1	1		2		26	44	51	49	41	31	34	24	25	24	15	26	14	21	26	16	30	502	Aomori
lwate	1		3		1		62	59	44	67	47	38	53	31	47	32	27	17	24	31	19	21	30	654	lwate
Miyagi	1	1	3		6		91	89	97	90	77	83	74	70	65	60	55	54	53	50	42	40	31	1,132	Miyagi
Akita		1	2		3		24	18	27	24	31	20	29	30	20	19	14	15	21	20	26	21	19	384	Akita
Yamagata	1	3	1		2		54	47	25	60	36	32	34	36	23	26	22	26	26	21	23	17	9	524	Yamagata
Fukushima	4	1	1		6		78	105	95	76	73	53	59	57	46	38	32	31	33	47	41	42	30	948	Fukushima
Ibaraki	3	1	1		2		104	115	76	99	83	81	89	89	75	66	85	70	73	92	64	55	54	1,377	Ibaraki
Tochigi		3	4		2		65	93	74	52	4	5	61	64	49	62	50	57	53	54	56	60	51	919	Tochigi
Gunma	3	2	1		4		75	73	54	70	52	80	61	68	67	68	50	70	49	56	62	47	65	1,077	Gunma
Saitama	3	3	2		2		159	188	156	110	151	151	160	180	173	196	184	181	163	203	146	148	136	2,795	Saitama
Chiba	2	1			1		90	197	137	132	159	147	158	153	140	144	136	138	130	141	112	108	111	2,337	Chiba
Tokyo	33	31	17		94		353	428	315	274	230	259	222	270	250	239	198	197	207	222	197	204	188	4,428	Tokyo
Kanagawa	7	7	11		22		259	330	232	210	193	207	205	212	149	157	152	136	139	143	109	122	127	3,129	Kanagawa
Niigata	1	5	1		21		65	81	84	74	72	60	60	75	47	46	37	36	35	39	28	37	50	954	Niigata
Toyama	1		1		1		22	16	19	24	20	20	21	29	21	20	16	8	18	21	20	30	23	351	Toyama
Ishikawa	5	2	1		1		25	28	24	25	29	29	23	25	22	21	14	16	23	28	20	26	26	413	Ishikawa
Fukui					1		27	9	17	19	13	17	22	17	13	17	16	13	22	21	18	19	17	298	Fukui
Yamanashi	2	1			1		37	35	31	33	22	35	33	17	24	23	16	15	18	16	16	21	17	413	Yamanashi
Nagano		5	2		7		9	60	69	81	71	62	60	53	60	66	52	51	43	35	53	50	49	938	Nagano
Gifu	1	1	2		10		60	66	57	79	48	65	48	59	43	41	33	35	41	36	31	45	30	831	Gifu
			=	\equiv	=	\equiv	\vdash	\vdash	\equiv	\equiv			=	=	\vdash	\vdash		\equiv	\vdash	\equiv	\equiv		\equiv		

Shizuoka	4		2	29	87	139	125	131	84	84	90	81	67	51	56	75	83	79	74	77	75	1,493	Shizuoka
Aichi	7	1	5	63	273	282	271	252	177	207	188	181	163	149	129	160	153	182	172	147	149	3,311	Aichi
Mie		1	2	35	91	100	90	65	66	65	58	64	41	33	47	33	42	38	44	27	41	983	Mie
Shiga	2	1			34	27	26	37	28	21	18	14	14	15	10	17	13	15	22	30	26	370	Shiga
Kyoto	3	1	4	5	65	58	54	60	71	50	44	60	50	40	43	38	53	49	36	53	55	892	Kyoto
Osaka	10	14	9	11	222	232	167	177	174	112	155	124	105	108	85	142	138	119	107	140	157	2,508	Osaka
Hyogo	7	4	6	12	149	152	107	103	112	107	98	69	88	59	76	121	99	119	83	94	115	1,780	Hyogo
Nara	1	1		2	47	32	28	32	41	37	25	19	33	34	28	38	40	31	21	27	39	556	Nara
Wakayama				2	35	14	27	24	32	32	21	12	17	24	18	18	21	17	12	20	20	366	Wakayama
Tottori	2	2		1	27	13	15	20	14	11	12	13	12	7	7	12	3	11	11	17	9	219	Tottori
Shimane	2	1		9	7	30	30	38	35	36	27	19	17	18	19	18	16	20	20	11	20	393	Shimane
Okayama	1	1		12	91	57	61	66	58	56	46	53	42	46	45	27	40	35	38	39	55	869	Okayama
Hiroshima	6	4	3	34	116	92	82	91	98	95	73	85	63	59	61	55	68	54	60	65	69	1,333	Hiroshima
Yamaguchi	1	1	6	24	70	59	61	47	44	34	30	39	32	28	31	18	21	29	25	21	26	647	Yamaguchi
Tokushima	2	2	1	5	20	21	14	24	21	24	19	23	27	23	17	29	18	17	23	19	21	370	Tokushima
Kagawa		1	1	8	31	27	41	27	24	33	28	30	20	21	22	25	14	26	19	21	19	438	Kagawa
Ehime			5	7	44	40	46	42	29	26	22	29	36	30	32	34	39	39	24	21	36	581	Ehime
Kochi	1	1	3	3	19	17	23	16	18	12	21	23	18	18	16	20	19	13	21	19	11	312	Kochi
Fukuoka	5	1	4	29	161	127	158	134	130	100	86	69	60	59	50	54	53	53	63	78	67	1,541	Fukuoka
Saga	1	1		7	21	28	37	23	29	20	15	12	9	7	8	10	3	9	16	8	16	280	Saga
Nagasaki	2		4	14	41	45	46	50	37	39	36	15	19	18	22	21	22	22	25	29	31	538	Nagasaki
Kumamoto	3	3	2	6	33	44	58	52	46	39	32	25	26	17	15	23	18	16	20	20	22	520	Kumamoto
Oita	6	1	2	6	47	33	27	36	42	24	20	22	15	18	16	25	20	18	14	30	29	451	Oita
Miyazaki	6			3	47	27	35	31	18	18	14	6	11	19	10	14	6	16	11	9	25	326	Miyazaki

Kagoshima	2	1	1	5	32	34	31	46	27	41	22	14	15	12	9	14	18	23	19	33	21	420	Kagoshima
Okinawa	2			2	14	12	21	19	20	19	23	28	18	32	27	27	29	15	18	18	22	366	Okinawa
total	150	114	117	554	3,711	4,117	3,681	3,524	3,125	2,986	2,876	2,860	2,513	2,469	2,220	2,396	2,393	2,523	2,252	2,362	2,425	49,368	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 telecommunication service in Japan in 1999-2021

telecommunication service industry Code No.11

Type of fatal accidents in telecommunication service 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							1	1			2	1	3	1							1			10	fall from height
falling to same level					1												1							2	falling to same level
crash																	1							1	crash
struck by flying or falling object																									struck by flying or falling object
collapse																									collapse
crashed by																									crashed by

caught in/between														1										1	caught in/between
cut																									cut
injury to the sole of the foot																									injury to the sole
drown												2	16											18	drown
contact to high/low- temperature																			1		1			2	contact to high/low- temperature
contact to harmful substance																									contact to harmful substance
electric shock																									electric shock
explosion																									explosion
burst																									burst
fire																									fire
traffic accident (public road)	3	2	7	7	5	4	6	7	3	12	4	3	3	7	3	5	2	3	2	4	3	3	3	101	traffic accident (public road)
traffic accident (others)						1																		1	traffic accident (others)
reaction to motion/improper motion																									reaction to motion/improper motion
others					1	1				1			14				1			1		1	1	21	others
unclassifiable																									unclassifiable
total	3	2	7	7	7	6	7	8	3	13	6	6	36	9	3	5	5	3	3	5	5	4	4	157	total

Causal agents (large) of fatal accidents in telecommunication service 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														1										1	machine
crane, conveying machine	3	2	7	7	6	5	5	7	3	12	5	3	3	7	3	4	3	3	2	4	3	3	3	103	crane, conveying machine
other equipment							1						1			1					1			4	other equipment
temporary buildings, establishments							1	1			1		2											5	temporary buildings, establishments
substance, material																									substance, material
load																									load
environment												3	30	1					1		1			36	environment
others					1	1				1							2			1		1	1	8	others
total	3	2	7	7	7	6	7	8	3	13	6	6	36	9	3	5	5	3	3	5	5	4	4	157	total

Causal agents (middle) of fatal accidents in telecommunication service 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																									power transmission mechanism
																									woodworking

woodworking machine																									machine
construction machine														1										1	construction machine
metal manufacturing machine																									metal manufacturing machine
general machine																									general machine
mobile silviculture machine																									mobile silviculture machine
crane																									crane
conveying machine			1	1	1		1				2		3			1		1			1			12	conveying machine
vehicle	3	2	6	6	5	5	4	7	3	12	3	3		7	3	3	3	2	2	4	2	3	3	91	vehicle
pressure vessel																									pressure vessel
chemical facilities																									chemical facilities
welding equipment																									welding equipment
kiln, caldron																									kiln, caldron
electric equipment																									electric equipment
human power machine, tools							1									1								2	human power machine, tools
tools													1								1			2	tools
other equipments, facilities																									other equipments,

temporary buildings, establishments							1	1			1		2												temporary buildings, establishments
hazards, harmful substances																									hazards, harmful substances
materials																									materials
load																									load
natural environment												3	30	1					1		1			36	natural environment
other causal agent					1																			1	other causal agent
no causal agent						1				1							2			1		1	1	7	no causal agent
unclassifiable																									unclassifiable
total	3	2	7	7	7	6	7	8	3	13	6	6	36	9	3	5	5	3	3	5	5	4	4	157	total

Causal agents (small) of fatal accidents in telecommunication service 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																									power transmission
mechanism																									mechanism
circular sawing machine																									circular sawing
circular sawing machine																									machine
band sawing machine																									band sawing
band sawing machine																									machine
wood planer machine																									wood planer
wood planer machine																									machine

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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																					leveling, transporting or loading machine
excavating machine																					excavating machine
foundation work machine																					foundation work
hardening machine																					hardening machine
demolition machine																					demolition machine
vehicle for high lift work												1								1	vehicle for high lift work
other construction machines																					other construction machines
lathe																					lathe
drill press, milling machine																					drill press, milling machine

grinding machine, buffing												grinding machine,
machine												buffing machine
power press												power press
forging pressure hammer												forging pressure
												hammer
shearing machine												shearing machine
other metal manufacturing												other metal
machines												manufacturing
												machines
centrifugal machine												centrifugal machine
mixer, grinder												mixer, grinder
roll machine (except												roll machine (except
												printingroll
printingroll machine)												machine)
injection molding machine												injection molding
injection molarity machine												machine
food manufacturing machine												food manufacturing
lood mandidetaining machine												machine
printing machine												printing machine
industrial robot												industrial robot
other general power machines												other general
other general power machines												power machines
felling machine												felling machine
mobile logging machine												mobile logging
mobile logging machine												machine
												skyline yarding

skyline yarding machine																machine
other mobile silviculture																other mobile
machine																silviculture machine
crane																crane
mobile crane																mobile crane
derrick crane																derrick crane
elevator, lift																elevator, lift
cargo lifting appliance																cargo lifting appliance
gondola																gondola
lumberyard equipment,																lumberyard equipment, logging cableway
simple skyline yarding equipment																simple skyline yarding equipment
other powered crane																other powered
truck		1	1	1	1		1	3		1	1		1		11	truck
forklift																forklift
railway equipment																railway equipment
conveyor																conveyor
loader																loader
straddle carrier																straddle carrier
rough terrain hauler																rough terrain hauler
other powered conveying																other powered

machines												1												1	conveying machines
cars, bus, motorcycle	3	2	6	6	5	4	4	4	7	3	12	3	3	7	3	3	3	2	2	4	2	3	3	89	cars, bus, motorcycle
railway vehicle						1																		1	railway vehicle
other vehicles							1																	1	other vehicles
boiler																									boiler
pressure vessel																									pressure vessel
other pressure vessels																									other pressure 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

human power cranes																cranes
human power hauling equipment				1						1					2	human power hauling equipment
human power machine																human power machine
hand tool																hand tool
ladder								1					1		2	ladder
slinging tool																slinging tool
other tools																other tools
other equipment, facilities																other equipment,
scaffolding																scaffolding
timbering																timbering
stairs, landing stage				1				2							3	stairs, landing stage
opening																opening
roof, beam, haze, crossbeam, principal rafter																roof, beam, haze, crossbeam, principal rafter
working platform, boot board																working platform, boot board
passage																passage
building, establishment					1										∥1 ∣	building, establishment
other temporary buildings,							1									other temporary buildings,

establishments															establishments
explosive substance															explosive substance
inflammable substance															inflammable substance
inflammable gas															inflammable gas
harmful substance															harmful substance
radiation															radiation
other hazards, harmful substances															other hazards, harmful substances
metal material															metal material
lumber, bamboo															lumber, bamboo
stone, sand, substance															stone, sand,
other materials															other materials
load															load
machine/equipment as load															machine/equipment as load
natural ground, rock								1						1	natural ground,
standing tree															standing tree
water						2	30							32	water
abnormal environment															abnormal environment
high/cold temperature											1	1			high/cold temperature

environment																									environment
other environments												1												1	other environments
other causal agent					1																			1	other causal agent
no causal agent						1				1							2			1		1	1	7	no causal agent
unclassifiable																									unclassifiable
total	3	2	7	7	7	6	7	8	3	13	6	6	36	9	3	5	5	3	3	5	5	4	4	157	total

Workers age of fatal accidents in telecommunication service 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																									19 years old or less
20-29				2		2	2	2		3		1	3		1	1	1			1				19	20-29
30-39			1	3	2	2			1	3	1	2	7	2						1		1	1	27	30-39
40-49	2	2	3	1		1	2	2	1	2		2	16	2	1		1	2	1	1	4	1		47	40-49
50-59			1	1	3		2	3	1	3	3	1	9	4	1	3	1	1	2		1	1	1	42	50-59
60 years old or more	1		2		2	1	1	1		2	2		1	1		1	2			2		1	2	22	60 years old or more
total	3	2	7	7	7	6	7	8	3	13	6	6	36	9	3	5	5	3	3	5	5	4	4	157	total

Workers' number of workplace of fatal accidents in telecommunication service 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													12	1		1								14	9 workers or less
10-29	2		2	2	1	1	2	1		1	1		7	2	1									23	10-29
30-49			2	1	1			2		1	2		7										1	17	30-49

50-99		1	1		1		1	2		2		1	1	1		1	1					1		14	50-99
100-299	1	1	1	2	3	3	4	2	1	6	2	3	4	4	1	2	2	1	2	3	3	2	3	56	100-299
300 workers or more			1	2	1	2		1	2	3	1	2	5	1	1	1	2	2	1	2	2	1		33	300 workers or more
total	3	2	7	7	7	6	7	8	3	13	6	6	36	9	3	5	5	3	3	5	5	4	4	157	total

Month of fatal accidents in telecommunication service 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		1					1	2				1	1		1				9	January
February	1		1	2				1		3						1					1	2		12	February
March			1			1					1		30							1		1		35	March
April			2	1	1										1		1				1			7	April
May					1	2				2	1	1		1			1							9	May
June						1	1			1								1		1				5	June
July				1			2			1	1			1									2	8	July
August	1		2			2	1			1		2	1	3		3	1		2	1	1			21	August
September		1			1					2				1		1					2			8	September
October			1	2	1		2	3				1	2	1			1			1			1	16	October
November		1		1	1				2	2					1			1	1			1		11	November
December					1			4	1	1	3	1	1	2	1								1	16	December
total	3	2	7	7	7	6	7	8	3	13	6	6	36	9	3	5	5	3	3	5	5	4	4	157	total

Prefecture of fatal accidents in telecommunication service in 1999-2021

Prefecture	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012				2016	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	2018	min	2020		total P	refecture
		1																l			l 1				

Hokkaido				1		1			1				1										4	Hokkaido
Aomori					1										1					1			3	Aomori
lwate							1			1		14										1	17	lwate
Miyagi			1					1	1			13	1							1			18	Miyagi
Akita				1			1																2	Akita
Yamagata													1								1		2	Yamagata
Fukushima									1			3							1				5	Fukushima
Ibaraki	1				1				1														3	Ibaraki
Tochigi		1	1				1								1								4	Tochigi
Gunma		1					1	1						1									4	Gunma
Saitama							1					2	1							1			5	Saitama
Chiba									2								1	1					4	Chiba
Tokyo			1	2					1	1	2	1							1				9	Tokyo
Kanagawa					1															1			2	Kanagawa
Niigata								1											1				2	Niigata
Toyama																								Toyama
Ishikawa																			1				1	Ishikawa
Fukui																								Fukui
Yamanashi													1			1							2	Yamanashi
Nagano						1				1							1						3	Nagano
Gifu				1							1												2	Gifu
Shizuoka			2		1						1		1					1					6	Shizuoka
Aichi						1	2	1	2	1					2					1	1		11	Aichi
Mie								1	1				1										3	Mie

Shiga	1																							1	Shiga
Kyoto															1									1	Kyoto
Osaka													1						1				1	3	Osaka
Hyogo															1			1				1		3	Hyogo
Nara										2														2	Nara
Wakayama					1																			1	Wakayama
Tottori									1															1	Tottori
Shimane													1				1							2	Shimane
Okayama						1				1													1	3	Okayama
Hiroshima						1						1					1							3	Hiroshima
Yamaguchi																1								1	Yamaguchi
Tokushima					1							1												2	Tokushima
Kagawa																	1							1	Kagawa
Ehime			2																					2	Ehime
Kochi								1												1				2	Kochi
Fukuoka				1		1					1			1									1	5	Fukuoka
Saga	1			1					1								1							4	Saga
Nagasaki								1					1									1		3	Nagasaki
Kumamoto								1																1	Kumamoto
Oita																									Oita
Miyazaki									1		1			1										3	Miyazaki
Kagoshima					1																			1	Kagoshima
Okinawa																									Okinawa
total	3	2	7	7	7	6	7	8	3	13	6	6	36	9	3	5	5	3	3	5	5	4	4	157	total

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

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