

Fatal and non-fatal accidents in other education/research service in Japan in 1999-2022

other education/research service industry Code No.120109

Type of accidents in other education/research service 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	72	91	101	104	96	119	119	138	140	141	138	133	122	139	158	146	141	161	182	160	168	191	226	217	3,403
falling to same level	168	166	201	173	181	198	258	222	243	252	229	261	225	273	276	302	304	320	321	360	370	394	467	482	6,646
crash	23	30	22	30	30	44	32	29	34	42	45	45	45	56	41	33	35	49	45	41	59	60	78	50	998
struck by flying or falling object	30	22	23	25	26	22	25	31	22	22	18	22	38	32	24	18	17	15	20	26	23	22	24	31	578
collapse	6	6	4	7	7	3	5	11	10	15	6	6	11	3	4	4	5	7	7	8	10	5	6	7	163
crashed by	20	26	28	23	11	36	23	30	28	41	37	33	32	35	35	44	33	36	40	42	49	52	54	58	846
caught in/between	42	34	35	32	27	34	37	35	30	33	35	25	27	32	35	26	35	31	24	33	32	42	45	32	793
cut	57	53	69	66	53	72	73	68	96	62	72	63	56	49	51	42	42	59	66	52	56	59	48	54	1,438
injury to the sole of the foot		4	2		1	1		1	2	1	1	2	2	1	1		2	1	1	2	1	1	1	4	32
drown	2	1			2	1	1			1	1		7	1	1				2	1				2	23
contact to high/low-	22	17	15	20	22	16	16	15	21	20	19	14	17	14	11	16	19	12	10	18	16	20	17	8	395

machine	2		1	1	1	2	3	1	2	1	2	1		1	5	2	2	2		1	1		1	2	34
metal manufacturing machine	5	3	7	2	3	3	1	4	9	4	4	3	1	6	1	1	3		1				2	2	65
general machine	23	23	18	22	21	25	20	32	23	23	29	21	16	17	15	14	14	23	26	25	17	30	23	22	522
mobile silviculture machine																				1		1			2
crane	2	1	1	2	1	1	4		1		2	1	2	3	2	1	1	3	1				4	1	34
conveying machine	15	18	19	15	5	8	9	14	6	11	7	11	9	5	9	9	7	8	11	6	11	9	9	11	242
vehicle	30	37	35	43	44	38	41	36	59	39	30	41	40	41	42	50	39	37	41	44	50	32	41	44	974
pressure vessel	3	2	1		1	3	1		1		2			2					1		1		1		19
chemical facilities	1						1		1		1									1			2		7
welding equipment	1																1								2
kiln, caldron	2	2	2	2	2	1	3	2	3	1	2		2			2			1				1		28
electric equipment	1	1	3	1	1			2	2		1	1	1	1	2	5		2		4	2	3	4	2	39
human power machine, tools	48	38	58	52	41	48	56	49	71	55	51	45	35	45	48	49	31	50	57	45	50	49	56	56	1,183
tools	39	49	56	49	61	68	77	78	95	91	95	85	83	100	91	91	83	98	106	103	123	138	152	153	2,164
other equipments, facilities	15	16	18	22	21	23	24	23	23	24	27	24	26	30	26	29	42	28	25	33	28	42	53	44	666

substance																									
inflammable gas			1	1			1									4			1						8
harmful substance			1	5		4	3	5	5	4	5	3	1	3	2	1	3	4	3	2	2	1	2	2	59
radiation																		3							3
other hazards, harmful substances			4	9		8	6	4	4	1		7	5	3	4	4	2	4	3	2	3	3	2	78	
metal material			9	3		8	8	2	6	2	5	7	6	5	5	8	7	3	10	4	5	4	6	113	
lumber, bamboo			4	2		3	8	2	8	1	3	4	5	4	3	4	4	2	4	3	1		3	68	
stone, sand, substance			2	4		1	1	4	2	1	1	3		3	3	5	2	2		4	2	4		44	
other materials			6	9		4	10	13	11	9	9	4	6	6	8	2	3	9	5	8	8	3	5	138	
load			20	21		13	20	24	28	24	20	23	12	14	12	23	15	24	26	32	19	23	27	420	
machine/equipment as load			3	1		2	4	1		2	4	3	3	1	1	1	2	1	3	7		1		40	
natural ground, rock			32	22		17	25	26	16	20	22	21	20	16	23	16	13	18	7	10	20	18	22	384	
standing tree			6	5		8	13	16	8	9	7	7	10	4	7	8	6	10	10	6	11	12	10	173	
water			2	4		2		4	3	2		9	5	2	4			3	2	2	2	1	2	49	
abnormal environment								1			1	1		1	1		1	1					1	8	
high/cold temperature			2	3		2	1	8	6	2	3	5	3	1	3	7	6	4	12	4	10	7	3	92	

9 workers or less	114	147	144	128	142	148	159	158	177	159	166	182	162	164	175	137	153	152	143	140	166	201	204	183	3,804
10-29	173	155	171	187	164	187	188	206	205	215	192	206	188	189	195	218	224	234	256	246	267	282	438	314	5,300
30-49	71	85	99	93	106	118	111	98	126	141	122	116	106	125	116	142	111	116	172	175	194	228	315	248	3,334
50-99	61	85	81	69	78	72	87	87	91	92	96	81	95	89	107	90	112	98	111	119	143	180	221	183	2,528
100-299	93	59	93	77	79	79	105	97	107	124	106	83	94	100	120	104	104	109	135	126	124	134	175	168	2,595
300 workers or more	70	66	74	79	69	126	176	127	137	120	124	140	155	153	126	134	144	190	169	183	174	175	207	199	3,317
total	582	597	662	633	638	730	826	773	843	851	806	808	800	820	839	825	848	899	986	989	1,068	1,200	1,560	1,295	20,878

Month of fatal and non-fatal accidents in other education/research service 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	41	53	58	53	54	61	84	74	74	78	70	76	75	89	70	69	85	96	79	102	81	94	156	137	1,909
February	56	44	53	41	68	59	67	64	58	81	55	63	78	78	94	90	80	70	93	91	81	76	108	104	1,752
March	50	34	38	50	33	56	67	47	62	57	66	62	76	56	56	63	70	58	66	77	67	73	120	105	1,509
April	41	38	57	35	49	75	58	55	69	70	74	64	64	65	75	60	99	61	92	71	79	84	172	109	1,716
May	50	68	76	56	55	55	62	81	87	76	70	87	72	74	86	72	78	76	69	108	86	61	142	108	1,855
June	57	65	43	61	68	65	82	79	74	73	83	77	75	71	67	79	76	92	92	95	105	147	147	126	1,999
July	53	55	60	66	51	56	109	56	83	74	82	69	51	71	61	77	66	76	77	83	92	116	119	105	1,808
August	55	43	45	53	51	34	38	57	66	54	52	57	59	54	45	46	49	74	77	72	83	85	146	78	1,473
September	59	56	64	56	56	74	77	76	82	89	70	76	63	70	68	84	60	82	92	76	93	115	125	119	1,882
October	48	57	50	70	59	61	63	70	71	80	62	68	73	67	77	56	72	80	88	76	121	106	129	109	1,813

Tokushima	4	7	3		7		5	4	4		9	4	4	8	1	2	1	6	9	11	8	7	11	9	124
Kagawa	5	4	7		4		7	4	7	9	7	5	8	4	6	6	4	11	8	16	11	12	9	10	164
Ehime	1	1	4		1		6	5	3	5	5	5	3	4	4	4	3	6	11	7	18	15	17	17	145
Kochi	2	3	4		6		7	5	8	4	10	9	3	7	8	6	1	6	4	12	8	10	15	7	145
Fukuoka	20	39	41		22		28	27	26	32	29	29	25	30	35	26	34	34	39	36	31	43	61	46	733
Saga	6	2	1		1		2	6	5	6	9	10	6	4	6	8	5	3	9	14	13	6	12	10	144
Nagasaki	10	3	7		8		8	11	10	11	8	2	7	7	7	6	2	11	13	13	9	9	12	11	185
Kumamoto	8	7	14		19		10	12	13	21	16	17	7	9	10	8	7	17	13	9	13	18	24	34	306
Oita	4	9	10		11		6	9	14	7	2	7	5	3	8	5	5	5	9	7	5	8	9	12	160
Miyazaki	3	5	10		5		7	9	10	4	6	6	7	5	7	6	11	8	8	4	8	8	6	12	155
Kagoshima	7	7	11		4		5	6	13	4	5	4	10	13	11	12	19	19	16	18	20	30	31	30	295
Okinawa	4	1	4		4		4	6	5	6	4	4	6	7	4	3	11	13	22	5	9	12	20	9	163
total	582	597	662	633	638	730	826	773	843	851	806	808	800	820	839	825	848	899	986	989	1,068	1,200	1,560	1,295	20,878

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)

Return to https://www.jisha.or.jp/english/statistics/2022e_industry.html

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Fatal accidents in other education/research service in Japan in 1999-2022

electric shock																									
explosion					1	1											1							3	
burst																									
fire																									
traffic accident (public road)	3	1	1	2	2		2	1	1	1					1	3	3	1	1	1			1	25	
traffic accident (others)	3	2		1	2				1			1	2									1		1	14
reaction to motion/improper motion																									
others						1	1					1	3	2				2	1	2		1	1		15
unclassifiable							1			1			1						1						4
total	11	5	4	4	13	5	8	4	3	6	4	5	19	7	8	5	5	7	6	7	2	4	6	6	154

Causal agents (large) of fatal accidents in other education/research service 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					1	1					1			1									1		5
crane, conveying machine	7	4	2	3	7	1	4	1	2	1		1	5		1	4	3	1	1	1	1	2	1	1	54
other equipment					2			1	1		1	2		2	3	1		1		1		1	2	1	19
temporary buildings,	2		2		1			1		2	1	1	3	1	3		1	2	3	1				1	25

establishments																									
substance, material						1	1				1						1								4
load																									
environment	1	1		1	2	1	2	1		2			9	1	1			2		3	1		1	3	32
others	1					1	1			1		1	2	2				1	2	1		1	1		15
total	11	5	4	4	13	5	8	4	3	6	4	5	19	7	8	5	5	7	6	7	2	4	6	6	154

Causal agents (middle) of fatal accidents in other education/research service 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
power transmission mechanism																									
woodworking machine											1														1
construction machine					1	1																			2
metal manufacturing machine																									
general machine																								1	1
mobile silviculture machine																									
crane																									
conveying machine		1	1				2			1			1			2	1					1	1		11

vehicle	7	3	1	3	7	1	2	1	2			1	4		1	2	2	1	1	1		1	1	1	43
pressure vessel																									
chemical facilities					1																				1
welding equipment																									
kiln, caldron																									
electric equipment																									
human power machine, tools																								1	1
tools					1			1	1		1	2		1	3	1		1		1		1	2		16
other equipments, facilities														1											1
temporary buildings, establishments	2		2		1			1		2	1	1	3	1	3		1	2	3	1				1	25
hazards, harmful substances						1	1				1						1								4
materials																									
load																									
natural environment	1	1		1	2	1	2	1		2			9	1	1			2		3	1		1	3	32
other causal agent	1					1															1	1			4
no causal agent												1	1	2				1	1	1					7
unclassifiable							1			1			1						1						4
total	11	5	4	4	13	5	8	4	3	6	4	5	19	7	8	5	5	7	6	7	2	4	6	6	154

metal material																									
lumber, bamboo																									
stone, sand, substance																									
other materials																									
load																									
machine/equipment as load																									
natural ground, rock		1			1							1					1								4
standing tree								1		1									1			1			4
water	1				1	1	1			1			8	1	1					1				2	18
abnormal environment																									
high/cold temperature environment																									
other environments				1			1										1		1	1				1	6
other causal agent	1					1																1	1		4
no causal agent												1	1	2				1	1	1					7
unclassifiable							1			1			1					1							4
total	11	5	4	4	13	5	8	4	3	6	4	5	19	7	8	5	5	7	6	7	2	4	6	6	154

Workers age of fatal accidents in other education/research service 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
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19 years old or less															1										1
20-29	1	3	1	1	1	1		1		1			2				1		1				1	1	16
30-39	3			2	3	1	1	1	1			1	5	2				1		2	1				24
40-49	3		1	1	4		2			1	1		4	2			2	3		2			2		28
50-59	3	1			3	2	2	1	1			1	5	1	2	1	2	1	2	3	1			3	35
60 years old or more	1	1	2		2	1	3	1	1	4	3	3	3	2	5	4		2	3			4	3	2	50
total	11	5	4	4	13	5	8	4	3	6	4	5	19	7	8	5	5	7	6	7	2	4	6	6	154

Workers' number of workplace of fatal accidents in other education/research service 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	1	1		2	1	2				1	1	5	2	1		3	1	1		1	1	2		27
10-29	3	2	2	3	3		2	2	1	2	1	1	5	3	3	1		1	1	2			1	1	40
30-49	2				1	1				2	1		2	1		1			1				1		13
50-99					2	1	2		1	1	1		2		1			3		3		1	2		20
100-299	2	1		1	1	2	1	1		1		2	3		2	1		1		1	1			5	26
300 workers or more	3	1	1		4		1	1	1			1	2	1	1	2	2	1	3	1		2			28
total	11	5	4	4	13	5	8	4	3	6	4	5	19	7	8	5	5	7	6	7	2	4	6	6	154

Month of fatal accidents in other education/research service 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
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January				1			1			1		1		3	2		1					1		1	12
February					1						1		1			1		2	1						7
March	4		1	1		1	2		2		1		12			2			2	1		1		1	31
April	1		1		2	1		1				1		1				1			1	1		1	12
May							1								1		1		1				1	1	6
June			1					1		1								2	1	1		1	1		9
July	2	1			2	1	1			1		1	3		1					2					15
August	1			1	2	1	1							1		1	1	2	1	1	1			1	15
September	1	1			4	1					1	1	2	2	1		1						1		16
October				1					1	1	1		1		2					1			1		9
November		2						1		1					1		1						1		7
December	2	1	1		2		2	1		1		1				1				1			1	1	15
total	11	5	4	4	13	5	8	4	3	6	4	5	19	7	8	5	5	7	6	7	2	4	6	6	154

Prefecture of fatal accidents in other education/research service 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	2			2			1		1	1		1	2										1	1	12
Aomori																	1								1
Iwate						1							2		1	1								1	6
Miyagi													4	1					1						6

Okinawa														1					1							2
total	11	5	4	4	13	5	8	4	3	6	4	5	19	7	8	5	5	7	6	7	2	4	6	6	154	

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

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