

substance	14	7	9	7	5	6	10	9	6	10	7	10	10	11	9	12	5	14	9	15	12	12	11	6	226
electric shock					1		1		2				2		2							2		1	11
explosion	5	7	1	2	4	3		1	5	9	1	2	1	3	1	3	2	2	4	3	1	3	4	3	70
burst	3			1	1	1		3		1	1	1	3	1	1	1	1	4	1	1	1	2	1		29
fire	6	2			2	1		1	3	3	3	3	4			5	1	1			2	2	2		41
traffic accident (public road)	36	28	31	47	39	41	34	34	40	49	48	46	30	42	38	32	36	43	58	49	52	41	36	49	979
traffic accident (others)		1			1	2	1	1				1			1	1	1		1	1	2	1			15
reaction to motion/improper motion	89	77	109	72	89	89	117	106	109	124	108	130	100	125	101	114	143	129	134	130	163	141	161	153	2,813
others	2	5	6	4	7	6	4	3	2	3	7	6	6	5	5	7	10	5	6	9	9	14	96	14	241
unclassifiable	3	2	1	2	1		1	2	4		2	1		2	1	2	1	1				2			28
total	919	930	1,017	982	1,036	1,063	1,107	1,167	1,221	1,283	1,111	1,143	1,165	1,233	1,260	1,244	1,280	1,320	1,383	1,364	1,524	1,502	1,506	1,524	29,284

Causal agents (large) of fatal and non-fatal accidents in industrial waste management 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	97	95	129	126	142	154	142	152	170	167	124	142	155	147	133	162	159	152	170	149	178	162	149	174	3,530
crane, conveying machine	336	348	362	350	362	387	384	387	425	433	396	386	423	475	471	441	460	451	486	466	499	505	460	509	10,202
other equipment	80	85	86	91	96	107	120	103	114	123	124	105	117	128	150	131	125	157	170	151	168	168	186	183	3,068

temporary buildings, establishments	119	142	144	143	147	144	141	176	170	194	170	176	145	154	163	176	198	216	185	212	259	224	257	234	4,289
substance, material	140	133	136	142	127	137	130	187	184	196	122	136	151	139	155	162	151	151	167	142	171	176	146	166	3,647
load	75	65	99	80	99	77	104	96	109	110	103	106	100	108	108	85	97	105	110	120	138	158	102	123	2,477
environment	21	12	22	10	22	15	24	21	11	12	17	30	34	42	41	27	20	32	42	64	45	39	42	58	703
others	51	50	39	40	41	42	62	45	38	48	55	62	40	40	39	60	70	56	53	60	66	70	164	77	1,368
total	919	930	1,017	982	1,036	1,063	1,107	1,167	1,221	1,283	1,111	1,143	1,165	1,233	1,260	1,244	1,280	1,320	1,383	1,364	1,524	1,502	1,506	1,524	29,284

Causal agents (middle) of fatal and non-fatal accidents in industrial waste management 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	1		1		1	1	1	1	2		1	4		1				16
power transmission mechanism	3	7	9	9	4	2	6	7	7	4	6	9	11	4	3	9	10	4	5	7	8	7	8	9	158
woodworking machine	4	4	8	10	13	6	9	6	15	10	9	12	13	7	4	8	7	8	10	10	9	10	10	6	208
construction machine	53	36	55	45	51	65	56	56	51	58	39	44	45	58	61	54	55	65	75	59	70	64	57	68	1,340
metal manufacturing machine	7	9	12	11	15	13	18	16	22	20	10	13	20	16	11	18	20	20	16	17	22	20	21	17	384

general machine	30	39	45	50	59	68	52	66	75	74	60	63	65	61	53	71	67	54	60	56	68	61	53	73	1,423
mobile silviculture machine																								1	1
crane	17	18	22	19	15	27	24	21	19	15	19	21	15	33	33	20	20	25	20	26	29	18	43	33	552
conveying machine	295	319	312	307	329	332	339	341	381	390	344	339	388	416	411	401	414	400	435	407	440	458	399	444	9,041
vehicle	24	11	28	24	18	28	21	25	25	28	33	26	20	26	27	20	26	26	31	33	30	29	18	32	609
pressure vessel	2	3	1		2	1	2			2		1	5	2	2	1	2	3	1			1		1	32
chemical facilities				1		1	2		1	1	1	1	1			1	1		1					1	13
welding equipment	1	1	1	3	4	3	5	3	4	2	1	4	4	1	3	2	1	2	6	6	5	3	4	4	73
kiln, caldron	8	11	7	6	4	5	3	5	4	6		3	8	5	5	2	4	6	8	2	3	7	6	6	124
electric equipment	1				1	2		2	2	1	1	1	1	1		4	1		1	4	3	1	1	4	32
human power machine, tools	22	14	11	20	19	25	25	24	16	23	28	30	19	26	26	34	30	29	38	35	36	33	50	29	642
tools	35	36	45	41	39	43	48	42	47	58	60	44	58	66	75	54	62	70	80	73	87	88	80	102	1,433
other equipments, facilities	11	20	21	20	27	27	35	27	40	30	33	21	21	27	39	33	24	47	35	31	34	35	45	36	719
temporary buildings, establishments	119	142	144	143	147	144	141	176	170	194	170	176	145	154	163	176	198	216	185	212	259	224	257	234	4,289
hazards, harmful substances	26	9	16	22	13	13	13	18	16	23	17	18	14	7	10	23	10	12	17	18	16	14	15	14	374
materials	114	124	120	120	114	124	117	169	168	173	105	118	137	132	145	139	141	139	150	124	155	162	131	152	3,273

machine																									
other mobile silviculture machine																							1	1	
crane			7		1		7	7	2	5	6	6		8	8	4	2	5	2	3	2	1	10	6	92
mobile crane			14		14		14	14	13	10	12	13	15	25	24	15	16	16	17	19	26	17	30	25	349
derrick crane																									
elevator, lift									1			1						1	2	1					6
cargo lifting appliance																									
gondola																							1		1
lumberyard equipment, logging cableway																									
simple skyline yarding equipment																									
other powered crane			1				3		3		1	1			1	1	2	4		2			2	2	23
truck			210		212		229	230	254	255	234	236	250	274	292	264	274	280	300	265	328	337	291	319	5,334
forklift			32		36		38	32	26	40	32	39	37	49	46	40	54	43	47	44	39	42	42	58	816
railway equipment																									
conveyor			50		58		49	51	72	65	64	47	72	66	55	72	71	49	57	67	46	56	47	44	1,158
loader			3		8			2	2	3	4	3	7	7	3	3	2	5	5	5	3	2	4	5	76
straddle carrier																		1				1			2

rough terrain hauler						1				1				1						2	1		6		
other powered conveying machines			17		15		22	26	27	27	9	14	22	20	15	21	13	22	26	26	24	18	14	18	396
cars, bus, motorcycle			26		17		20	22	22	27	32	26	16	24	24	20	25	25	31	32	25	29	16	29	488
railway vehicle																									
other vehicles			2		1		1	3	3	1	1		4	2	3		1	1		1	5		2	3	34
boiler													1	1	1		1	1							5
pressure vessel					1							1				1	1				1				5
other pressure vessels			1		1		2			2		1	4	1	1		1	1						1	16
chemical facilities						2		1	1	1	1	1			1	1		1						1	11
gas welding equipment					4		5	2	3	2	1	4	4	1	1	1		2	5	5	3	1	1	4	49
arc welding equipment									1						2		1		1	1			2		8
other welding equipment			1					1								1					2	2	1		8
kiln, caldron			7		3		3	2	3	3		3	8	3	5	2	2	5	6	2	2	6	4	5	74
industrial dryer																	1								1
other kiln, caldron					1			3	1	3				2			2		2		1	1	2	1	19
transmission										1						1	1			2	1		1	1	8
electric power					1			1	1			1	1	1		2				1	2	1		2	14

facilities																									
other electrical equipment							1	1		1					1			1	1				1	7	
human power cranes			1			1	1			3										2	1	1		10	
human power hauling equipment			4		6		7	9	1	11	10	9	7	9	10	6	9	9	8	11	11	7	21	7	172
human power machine															1	1	2	1					1	6	
hand tool			6		13		17	14	15	12	15	21	12	17	16	27	20	18	29	24	23	25	28	21	373
ladder			18		21		22	15	17	26	28	22	31	34	39	26	37	26	42	38	41	51	38	52	624
slinging tool			5		5		1	7	4	3	3	2	2		5		1	7	7	4	5	2	6	3	72
other tools			22		13		25	20	26	29	29	20	25	32	31	28	24	37	31	31	41	35	36	47	582
other equipment, facilities			21		27		35	27	40	30	33	21	21	27	39	33	24	47	35	31	34	35	45	36	641
scaffolding					2		2	5	6	6	2	4	2	5	2	5	3	3	2	6	2	4	1	3	65
timbering																									
stairs, landing stage			22		16		6	26	17	14	16	17	19	21	13	22	18	19	17	29	35	21	29	36	413
opening			8		2		5	5	4	8	5	2	5	7	5	7	3	3	2	7	9	8	8	7	110
roof, beam, haze, crossbeam, principal rafter			6		7		5	3	2	5	3	1	2	6	3	4	2	5	2	1	2	1	1	1	62
working platform, boot board			19		26		20	28	32	42	31	35	21	21	37	41	35	32	33	26	33	27	33	26	598

passage			51		48		46	64	52	62	61	66	56	58	63	61	79	96	79	89	107	90	122	99	1,449
building, establishment			28		31		30	28	39	34	28	28	29	16	24	27	27	38	32	33	36	41	30	29	608
other temporary buildings, establishments			10		15		27	17	18	23	24	23	11	20	16	9	31	20	18	21	35	32	33	33	436
explosive substance			2				2	1	1					1			1	2	1				1		12
inflammable substance			3		3		1	1	6	3	2	2	1		1	5	2		4	1	2	3	4	3	47
inflammable gas			2		3		1			4	4	3			1	4			1	1	1	1	3	4	33
harmful substance			6		1		4	6	6	7	3	6	9	5	5	3	3	5	4	7	10	7	2	2	101
radiation																									
other hazards, harmful substances			3		6		5	10	3	9	8	7	4	1	3	11	4	5	7	9	3	3	5	5	111
metal material			55		48		54	70	88	88	48	64	64	52	55	57	63	63	69	56	70	65	66	73	1,268
lumber, bamboo			16		15		15	26	21	14	13	8	19	14	11	20	20	14	20	14	22	17	16	24	339
stone, sand, substance			4		11		10	15	8	17	11	9	9	12	10	13	11	8	12	6	7	13	3	6	195
other materials			45		40		38	58	51	54	33	37	45	54	69	49	47	54	49	48	56	67	46	49	989
load			94		92		98	89	103	102	92	96	93	99	99	81	88	99	104	114	135	152	96	118	2,044
machine/equipment as load			5		7		6	7	6	8	11	10	7	9	9	4	9	6	6	6	3	6	6	5	136
natural ground,			3		8		4	5	3	4	6	4	3	5	5	1	3	1	9	5	4	3	5	1	82

more																									
total	919	930	1,017	982	1,036	1,063	1,107	1,167	1,221	1,283	1,111	1,143	1,165	1,233	1,260	1,244	1,280	1,320	1,383	1,364	1,524	1,502	1,506	1,524	29,284

Workers' number of workplace of fatal and non-fatal accidents in industrial waste management 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	266	298	288	304	299	296	290	322	258	293	247	240	253	292	297	264	305	263	288	255	297	286	259	307	6,767
10-29	313	337	368	336	384	390	404	404	433	457	376	438	434	429	451	475	435	464	509	483	534	520	523	511	10,408
30-49	129	132	180	154	176	182	196	208	278	262	219	213	211	239	254	230	259	274	268	300	318	330	286	310	5,608
50-99	133	113	133	120	135	138	140	127	137	164	147	147	170	158	156	163	165	183	201	189	249	235	272	239	4,014
100-299	69	46	48	61	42	55	74	105	102	97	112	92	95	107	86	105	106	128	110	132	122	127	159	151	2,331
300 workers or more	9	4		7		2	3	1	13	10	10	13	2	8	16	7	10	8	7	5	4	4	7	6	156
total	919	930	1,017	982	1,036	1,063	1,107	1,167	1,221	1,283	1,111	1,143	1,165	1,233	1,260	1,244	1,280	1,320	1,383	1,364	1,524	1,502	1,506	1,524	29,284

Month of fatal and non-fatal accidents in industrial waste management 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	93	77	76	71	75	86	79	88	90	106	95	72	77	90	102	104	105	117	113	117	138	109	128	145	2,353
February	60	76	84	79	79	94	89	103	75	104	87	100	110	103	105	104	111	109	115	111	140	116	126	125	2,405
March	82	77	100	99	92	99	94	112	105	93	103	98	109	137	106	104	126	114	121	101	119	124	137	139	2,591
April	75	72	99	96	82	99	83	91	111	123	95	98	97	111	110	83	116	115	119	101	111	114	121	111	2,433
May	68	77	86	89	84	75	100	97	112	113	81	102	84	100	79	108	97	111	93	93	127	122	127	111	2,336

June	101	85	85	73	81	84	97	98	94	119	96	97	106	96	114	96	106	116	115	119	148	146	112	145	2,529
July	89	74	91	86	102	94	96	102	118	95	91	121	113	123	127	131	121	119	123	163	133	148	105	128	2,693
August	59	85	90	67	96	100	97	93	111	107	110	114	95	107	116	92	95	120	133	105	131	128	172	129	2,552
September	81	79	81	86	92	91	98	98	106	109	99	95	100	82	100	112	98	107	105	125	139	139	120	129	2,471
October	92	87	69	87	87	80	106	102	98	117	84	80	91	112	110	116	108	112	122	113	121	124	129	102	2,449
November	63	73	75	76	76	78	80	92	91	90	83	82	87	85	94	95	108	90	112	111	102	107	109	131	2,190
December	56	68	81	73	90	83	88	91	110	107	87	84	96	87	97	99	89	90	112	105	115	125	120	129	2,282
total	919	930	1,017	982	1,036	1,063	1,107	1,167	1,221	1,283	1,111	1,143	1,165	1,233	1,260	1,244	1,280	1,320	1,383	1,364	1,524	1,502	1,506	1,524	29,284

Prefecture of fatal and non-fatal accidents in industrial waste management 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	33	41	48		55		47	61	37	53	55	58	51	51	63	46	69	81	74	85	87	91	88	105	1,379
Aomori	5	4	9		12		11	6	9	11	4	15	10	11	11	15	10	9	7	11	9	17	11	12	219
Iwate	6	12	10		20		17	19	14	19	4	13	13	9	16	16	15	9	14	14	19	16	21	10	306
Miyagi	7	15	14		15		14	11	19	18	10	24	30	28	34	24	24	35	35	37	37	25	29	44	529
Akita	1	4	1		5		9	6	6	12	5	8	10	9	15	9	5	12	17	11	8	12	6	9	180
Yamagata	18	8	6		13		17	26	22	19	19	14	17	16	19	9	11	12	15	17	23	12	11	17	341
Fukushima	14	18	21		17		12	18	16	14	17	8	15	18	14	26	27	17	17	18	24	17	25	23	396
Ibaraki	12	13	22		16		25	15	23	18	16	25	26	21	21	19	22	22	22	22	26	25	23	23	457
Tochigi	9	10	16		19		8	8	20	15	15	18	15	15	22	21	29	22	29	22	16	28	26	24	407
Gunma	18	22	29		33		25	32	26	31	21	27	35	45	34	29	37	23	36	29	34	39	25	29	659
Saitama	59	54	92		76		81	77	85	90	72	59	75	82	96	97	99	108	103	82	116	116	115	122	1,956

Hiroshima	43	46	40		30		40	49	38	37	31	28	43	52	33	44	36	49	44	43	51	43	64	47	931
Yamaguchi	4	3	7		12		12	10	8	6	13	5	7	12	5	8	5	8	12	6	8	12	10	15	188
Tokushima	3	2	9		4		7	4	6	11	7	5	4	5	4	11	10	8	6	19	12	14	9	11	171
Kagawa	3	9	7		12		18	10	6	12	13	11	15	13	11	9	7	5	11	13	18	22	16	11	252
Ehime	15	14	5		12		10	15	12	12	10	15	7	17	16	12	17	17	16	8	18	19	13	19	299
Kochi	7	7	12		8		11	7	7	3	7	8	11	5	7	11	4	2	10	12	7	13	9	8	176
Fukuoka	38	31	31		35		44	54	42	35	51	50	44	47	38	52	47	49	68	62	77	67	49	56	1,067
Saga	11	11	13		7		20	10	7	17	9	11	9	14	20	10	9	14	10	14	18	19	13	10	276
Nagasaki	17	20	24		26		28	22	36	23	24	17	20	17	21	12	29	20	16	20	17	31	23	31	494
Kumamoto	16	6	11		5		15	10	19	26	15	16	17	14	14	20	16	29	24	27	23	26	17	18	384
Oita	9	5	17		11		15	15	36	31	19	17	25	26	28	17	19	17	16	16	23	22	18	29	431
Miyazaki	3	10	7		10		9	8	9	7	10	16	17	14	10	14	11	12	15	16	21	17	14	19	269
Kagoshima	11	4	4		8		15	18	8	18	19	13	19	9	10	13	28	20	23	13	25	30	25	28	361
Okinawa	4	1	3				1	5	5	7	2	6	5	8	3	10	7	8	10	4	9	5	7	16	126
total	919	930	1,017	982	1,036	1,063	1,107	1,167	1,221	1,283	1,111	1,143	1,165	1,233	1,260	1,244	1,280	1,320	1,383	1,364	1,524	1,502	1,506	1,524	29,284

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 industrial waste management service in Japan in 1999-2022

industrial waste management service industry Code No.150102

Type of fatal accidents in industrial waste management 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	3	1	2	4	3	4	7	5	1	3	5	5	1	6	4	4	3	4	1	5	4	5	3	4	87
falling to same level	2	2	1		1	1		1		1			2		1		1			3		1	1	1	19
crash													1									2			3
struck by flying or falling object		3	2	2			4				1	5	1	1			2	3		2	1	1		1	29
collapse				1			1			1	2		1			1		2	1	3				1	14
crashed by	1	4	4	2	1	1	4	4	1	1	2		2	2	2	4	2		3	2	1		1		44
caught in/between	3	11	7	11	11	10	5	4	6	13	7	9	8	7	14	5	7	2	9	3	5	10	8	4	179
cut									1															1	2
injury to the sole of the foot																									
drown	1						1			1			8			1			1						13
contact to high/low-temperature				1			1					1	1		1		2					3			10
contact to harmful substance	4	1		1								1	2	1				1	1	1	1	1			15
electric shock																									
explosion	2		2																	1					5
burst																		1							1

fire	1																1				1		1		4
traffic accident (public road)	4	5	6	3	1	1	4	4	3	3	2	3	2	2	1	3		2	2	2	1	3	2	3	62
traffic accident (others)									1																1
reaction to motion/improper motion																									
others	1				1			1	1				2					1			1				8
unclassifiable																									
total	22	27	24	25	18	17	27	19	14	23	19	24	31	19	23	18	18	16	18	22	15	26	16	15	496

Causal agents (large) of fatal accidents in industrial waste management 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	4	8	5	10	7	5	7	2	5	8	4	5	1	4	8	4	5	2	3	4	2	7	5	3	118
crane, conveying machine	7	14	15	6	8	8	13	11	7	9	9	11	14	11	11	10	8	9	12	8	9	13	8	9	240
other equipment	1			2		1	2	2			1	1	2	1	1		1	3	1		1		2		22
temporary buildings, establishments	2	2		2	1	3	1	3	1	4	2	1	2	2	1	3	1			5		1		1	38
substance, material	7	1	2	2			2				3	4	2		1		1		1	1	2		1	1	31
load		2	1	1						2		1								2				1	10
environment				2	1		1					1	10	1	1	1	1	1	1	1		4			26
others	1		1		1		1	1	1								1	1		1	1	1			11
total	22	27	24	25	18	17	27	19	14	23	19	24	31	19	23	18	18	16	18	22	15	26	16	15	496

Causal agents (middle) of fatal accidents in industrial waste management 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																										
power transmission mechanism		2								1											1					4
woodworking machine									1			1														2
construction machine	3	5	4	4	6	3	2	1	1	1	2	4	1	2	2	3	4	2	2	3		4	4			63
metal manufacturing machine				1					2															1		4
general machine	1	1	1	5	1	2	5	1	1	6	2			2	6	1	1		1	1	1	3	1	2		45
mobile silviculture machine																										
crane	2	2	2					1			1	3	1	2	2		2	2	3	1	1		1			26
conveying machine	5	12	12	6	8	7	12	8	6	8	7	8	13	9	8	10	6	7	7	6	8	13	7	8		201
vehicle			1			1	1	2	1	1	1				1				2	1				1		13
pressure vessel							1											1								2
chemical facilities				1																						1
welding equipment																			1							1
kiln, caldron																		2					1			3
electric equipment																										
human power machine, tools								1																		1
tools	1							1			1	1	1		1						1					7
other equipments, facilities				1		1	1						1	1			1						1			7
temporary buildings, establishments	2	2		2	1	3	1	3	1	4	2	1	2	2	1	3	1			5		1		1		38

January	4			2	2	4	1	1		5	3	2	1	1	2	2	2	2	1	4	1	3		2	45
February		1	3	2		2	1	2		1		2	2		2	2	1		2	2	1	2	1	1	30
March	4	5	3	3	1		4	3	1	1	1	4	12	3	2	2	1	3	1	2	1		1		58
April		2	4	4			4	3	1	5	1	1	3	2	1	2	2	2	1	1	1	4	4		48
May	2	3	1	3	1	1	2	1	3	1	4	1		3	1	3	1	2	3	1	1		1	1	40
June	1	3	2	2	1	1	1		1	1	3	1	1	1	2	1	2		1		2		3	4	34
July	2	2	2	1	3		2	2	1		1	3	1	1	2	2	1	2		1	1	2		2	34
August	1	2	2	2			3		2		2		1		1		2		2	3	1	5			29
September	3	3	1	1	1	1	1	3	1	2	2	1	2	1	2	1	2	1	1	6		3	2	2	43
October	4	3	2	1	6		3	2		2	1	3		3	2		2	1	5	1	3	3	1		48
November	1	2	1	3	2	4	2		4	2		5	4	1	3	2	1	1			3	2	2	1	46
December		1	3	1	1	4	3	2		3	1	1	4	3	3	1	1	2	1	1		2	1	2	41
total	22	27	24	25	18	17	27	19	14	23	19	24	31	19	23	18	18	16	18	22	15	26	16	15	496

Prefecture of fatal accidents in industrial waste management 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		3		3	1	1	1		1	1	3	2	2	1					1	1	1	1	1	1	1	25
Aomori			1					1											1							3
Iwate		1						1		1			2	1	1					1		1				9
Miyagi				1	1	1							7			1			2	1		1		1		16
Akita		1											1							1				1		4
Yamagata									1										1		1					3

Fukushima			2	1				1		1			1										6		
Ibaraki				1					2		1	2	1	3	1			1			2	1		15	
Tochigi			2		1															1			4		
Gunma		1		2	1	1	1	1			1				2		1	1		1			1	14	
Saitama	2	1	2	4	3		2	2		2	1	4		1	3		2	3		1	2	1		1	37
Chiba	4	1				2	3	2	2	1	1				1	1	2		1	1		1		1	24
Tokyo		2	1	1	1	2	2		2	1		1			3	1	1		1				1		20
Kanagawa		1	3	1			3			2	1	2	1	1	2		1		1	2	1	2		2	26
Niigata	1	1	1			1						1	1			1	3		1				1		12
Toyama											1		1					2		1		1			6
Ishikawa		1	1							1	2					1	1								7
Fukui	2					1	1									2			1						7
Yamanashi																									
Nagano	1		2	2			1			1		1	1				2			2				2	15
Gifu				1						1						1				2					5
Shizuoka	1	3	1		1		2	1	2	1		2				1	1			1		2		1	20
Aichi	2		1	2	2	1			1		1	1	1	1		4	1	1	1	1	1	1	3		25
Mie	1	1	2							1				3			1						1	1	11
Shiga		1													1									1	3
Kyoto		1		1	1								1		1						1		2	1	9
Osaka		1		1	2	2	2		1		1	1	2		3	2		2	1	2			3	1	27
Hyogo	2	3	1					2		2	1	1	1	1	1		2			2	1	1	1	1	23

Nara			1		1			1					1	1					1		3			9	
Wakayama						1					1				1						1			4	
Tottori												1	1											2	
Shimane		1															2							3	
Okayama	1	1					2				1										1		1	7	
Hiroshima		1				1	2	3	1	4			1	1	1			1	1	1	1	1	1	21	
Yamaguchi					1	1	1						1		1									5	
Tokushima				1	1		1																	3	
Kagawa																									
Ehime							1			1		1					1							4	
Kochi	1		1									1	1											4	
Fukuoka	4	1	1	1			1				1			2	2			1			2			16	
Saga								1				1												2	
Nagasaki			1		1			2			1	1		1		1								8	
Kumamoto				1			1			1								1	1		1	1		7	
Oita						1		1		1			1									2		6	
Miyazaki													1	1						2				4	
Kagoshima				1		1				1		1		1			1		2		2		3	13	
Okinawa											1			1										2	
total	22	27	24	25	18	17	27	19	14	23	19	24	31	19	23	18	18	16	18	22	15	26	16	15	496

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

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