

## Industrial accidents in sand and stone products in Japan in 1999-2020

sand and stone products industry Code No.0109

### Type of accidents in sand and stone products in 1999-2020

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
fall from height	436	411	426	362	321	339	331	331	296	309	240	224	218	237	231	274	227	253	257	240	253	251
falling to same level	303	273	311	238	253	211	223	208	190	188	140	144	134	159	206	152	132	164	182	179	158	141
crash	132	140	152	111	92	99	97	102	93	67	61	53	62	77	62	70	64	63	48	67	66	61
struck by flying or falling object	344	290	294	294	228	226	180	194	192	167	118	135	109	116	135	131	98	100	77	93	85	96
collapse	115	128	94	82	76	76	53	83	77	61	34	53	47	50	51	40	46	52	37	36	32	33
crashed by	174	172	139	132	116	124	113	111	105	93	76	65	55	82	67	56	69	58	51	68	53	65
caught in/between	844	869	810	682	635	618	532	535	567	445	376	355	365	407	428	369	345	310	320	298	343	297
cut	129	128	106	107	103	100	85	74	85	91	55	57	54	55	48	47	62	57	41	40	48	54
injury to the sole of the foot	3	13	12	15	4	3	3	5	9	2	2	3	6	3	1	2	4	4	1	4	2	2
drown	0	2	1	1	3	1	0	0	1	2	0	1	4	0	1	0	0	0	2	0	0	0

contact to high/low-temperature	31	35	32	31	32	30	27	18	25	19	18	25	12	24	22	25	23	8	16	18	23	34
contact to harmful substance	6	9	5	9	14	10	10	13	8	13	5	6	10	2	5	3	6	5	3	10	11	6
electric shock	5	3	4	1	1	3	3	3	1	0	1	4	2	2	1	1	1	1	0	2	0	1
explosion	2	2	2	3	2	1	1	3	2	2	1	1	0	1	1	2	0	2	1	0	2	0
burst	3	3	5	2	1	-	1	0	3	2	0	0	1	1	1	1	1	0	1	1	2	0
fire	0	2	5	-	2	1	3	0	1	2	0	1	0	0	1	0	2	1	2	1	0	0
traffic accident (public road)	43	32	28	40	37	37	24	24	21	15	10	16	16	23	17	21	20	13	16	18	20	13
traffic accident (others)	0	3	4	1	1	4	0	0	0	0	0	0	1	0	1	0	2	1	2	0	0	0
reaction to motion/improper motion	188	164	175	154	158	111	131	129	133	131	120	100	105	104	93	108	93	106	102	97	113	111
others	6	10	10	8	10	11	14	5	9	8	3	3	11	4	5	5	6	5	8	3	7	8
unclassifiable	6	1	3	5	2	3	3	3	2	2	2	2	0	0	0	0	0	0	3	1	1	1
total	2,770	2,690	2,618	2,278	2,091	2,008	1,834	1,841	1,820	1,619	1,262	1,248	1,212	1,347	1,377	1,307	1,201	1,203	1,170	1,176	1,219	1,174

Causal agents (middle) of industrial accidents in sand and stone products in 1999-2020

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
engine	0	2	2	1	0	-	0	0	0	0	0	1	0	0	1	0	0	0	0	2	3	0
power transmission mechanism	39	29	44	33	20	22	19	20	23	18	16	17	13	17	19	21	18	13	16	18	18	11
woodworking machine	26	24	20	22	31	20	12	14	22	16	11	12	13	9	4	12	15	15	12	9	13	11
construction machine	52	54	43	25	32	26	42	39	33	25	23	31	25	36	29	20	15	20	20	16	19	16
metal manufacturing machine	78	53	42	69	54	59	55	36	40	40	33	27	30	34	35	20	26	21	36	21	18	24
general machine	319	324	302	250	257	248	199	209	200	203	130	135	147	162	177	138	144	125	99	127	117	119
mobile silviculture machine																	0	0	0	0	0	0
crane	124	135	124	100	82	96	71	79	80	83	47	58	53	58	54	44	42	42	39	38	63	51
conveying	526	523	537	452	389	400	377	358	365	307	271	241	231	279	276	288	246	257	294	251	259	247





machine			1	1		0	0	0	1	0	1	1	0	0	0	1	0	0	0	0	0
hollow chisel mortiser, wood borer			0	1		0	1	0	1	0	0	0	0	0	0	0	0	0	0	1	0
chamfering machine, router, woodworking milling machine			0	1		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
chain saw			1	0		3	2	1	3	1	2	2	0	2	0	0	1	2	1	0	0
other woodworking machines			3	2		2	4	3	1	1	2	1	2	0	1	1	5	4	3	1	2
leveling, transporting or loading machine			12	11		13	7	9	7	5	12	13	12	13	6	8	9	6	1	7	4
excavating machine			16	12		16	15	15	6	8	10	3	11	8	5	5	2	9	10	10	6
foundation work machine			1	0		0	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0
hardening machine			1	0		1	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0
demolition machine			2	1		2	1	1	0	0	1	0	1	0	0	0	3	3	2	0	1
vehicle for high lift work			1	0		0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0

other construction machines			10	8		10	12	7	12	8	7	9	10	8	9	2	6	2	3	2	5
lathe			3	1		6	1	3	2	1	3	4	3	3	1	1	2	5	4	1	0
drill press, milling machine			1	2		2	1	2	1	2	1	3	0	1	0	1	0	2	1	0	0
grinding machine, buffing machine			12	20		16	12	13	18	13	11	12	11	16	6	10	10	14	4	10	11
power press			14	12		13	6	5	7	5	3	5	7	6	5	8	4	1	4	2	2
forging pressure hammer			0	0		0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
shearing machine			0	2		3	2	1	0	1	1	0	1	0	0	1	0	1	0	0	1
other metal manufacturing machines			12	17		15	14	16	11	11	8	6	12	9	8	5	5	13	8	5	10
centrifugal machine			1	5		3	3	0	2	0	0	1	1	3	0	3	2	1	0	1	1
mixer, grinder			51	41		40	31	34	39	21	16	16	30	29	23	17	20	15	20	11	22
roll machine (except printingroll machine)			12	6		6	15	13	10	5	9	6	6	11	5	5	5	6	4	7	7
injection molding machine			4	1		4	1	2	1	3	4	6	4	8	1	3	3	3	1	3	2









hauling equipment			24		29		24	25	32	22	17	21	16	21	21	18	13	15	17	13	14	27
human power machine			1		4		1	2	2	1	0	2	2	0	1	1	1	3	0	1	2	3
hand tool			49		54		41	29	47	45	26	18	22	24	30	20	22	33	22	25	16	17
ladder			57		51		55	62	54	52	34	30	35	37	43	47	36	39	43	50	49	38
slinging tool			23		23		19	26	29	17	25	13	20	10	21	13	14	14	8	8	18	16
other tools			89		65		61	73	61	60	47	39	49	40	62	48	47	41	50	46	60	50
other equipment, facilities			79		69		67	64	76	51	49	41	56	50	45	60	44	44	51	41	39	47
scaffolding			23		18		11	8	15	14	8	3	4	4	6	10	6	5	2	9	4	8
timbering			13		12		11	6	7	10	7	4	8	9	6	9	7	4	2	4	6	8
stairs, landing stage			49		42		40	37	34	33	24	27	31	25	18	27	20	24	25	23	33	26
opening			11		6		5	8	2	4	2	7	3	9	4	4	1	3	2	4	3	8
roof, beam, haze, crossbeam, principal rafter			15		7		8	6	4	6	12	6	9	9	6	5	3	6	6	8	3	4
working platform, boot board			74		62		48	48	48	35	32	33	26	36	34	34	30	42	40	28	33	30
passage			127		86		87	72	74	80	58	53	57	65	71	60	70	84	71	94	73	65
building,			62		54		44	64	47	43	44	47	25	36	35	35	42	39	27	31	36	33





30-39	431	456	433	416	399	399	320	407	370	315	266	265	225	249	246	248	210	175	198	169	168	197
40-49	571	545	532	474	407	390	339	333	358	345	250	271	268	289	329	330	250	292	253	271	297	284
50-59	931	848	853	770	650	613	613	542	577	466	376	330	314	335	348	298	299	296	309	317	304	303
60 years old or more	366	353	348	272	309	299	288	288	280	277	235	246	248	273	265	272	285	310	280	292	322	275
total	2,770	2,690	2,618	2,278	2,091	2,008	1,834	1,841	1,820	1,619	1,262	1,248	1,212	1,347	1,377	1,307	1,201	1,203	1,170	1,176	1,219	1,174

#### Workers' number of workplace of industrial accidents in sand and stone products in 1999-2020

Workers scale	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
9 workers or less	638	637	632	597	555	512	483	495	420	397	321	304	302	322	309	266	232	240	233	201	250	220
10-29	1,051	1,019	1,056	922	793	864	744	687	707	614	529	508	494	562	570	531	495	508	477	525	506	505
30-49	494	487	415	376	333	293	286	328	323	296	186	194	184	210	262	257	221	216	210	221	218	220
50-99	349	341	296	235	254	207	217	197	216	164	129	127	126	147	133	149	135	145	138	130	126	126
100-299	198	163	168	112	117	110	79	104	111	107	72	90	85	75	69	76	89	68	91	86	94	76
300 workers or more	40	43	51	36	39	22	25	30	43	41	25	25	21	31	34	28	29	26	21	13	25	27
total	2,770	2,690	2,618	2,278	2,091	2,008	1,834	1,841	1,820	1,619	1,262	1,248	1,212	1,347	1,377	1,307	1,201	1,203	1,170	1,176	1,219	1,174

#### Month of industrial accidents in sand and stone products in 1999-2020

Month	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
January	210	220	237	175	166	168	136	154	148	153	110	131	117	115	110	120	114	109	117	132	107	104
February	227	257	223	212	178	172	159	170	135	149	108	95	83	157	113	126	85	97	100	100	101	94
March	233	225	263	212	185	170	157	160	154	140	126	87	104	96	127	105	94	84	99	94	111	94
April	219	197	198	173	161	150	153	150	144	136	106	91	105	102	101	98	95	101	85	75	93	84
May	224	213	215	201	166	150	149	133	153	112	104	104	80	102	124	99	96	71	94	93	94	96
June	233	254	209	171	179	185	150	138	170	160	95	112	134	122	99	102	115	102	102	100	99	97
July	264	236	237	224	201	192	166	177	174	139	94	104	100	133	138	132	108	101	104	124	106	118
August	218	226	212	180	177	164	158	155	142	125	93	114	109	101	100	112	100	96	112	89	101	115
September	264	224	203	183	198	167	155	141	134	127	103	109	85	110	113	113	100	116	100	90	117	86
October	229	204	233	194	172	179	147	181	172	147	130	106	101	108	132	109	105	120	87	104	97	101
November	233	231	211	205	160	167	165	145	168	116	94	109	96	92	124	88	104	104	85	98	101	95
December	216	203	177	148	148	144	139	137	126	115	99	86	98	109	96	103	85	102	85	77	92	90
total	2,770	2,690	2,618	2,278	2,091	2,008	1,834	1,841	1,820	1,619	1,262	1,248	1,212	1,347	1,377	1,307	1,201	1,203	1,170	1,176	1,219	1,174

Prefecture of industrial accidents in sand and stone products in 1999-2020

Prefecture	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Hokkaido	172	180	146		113		94	85	78	65	50	49	52	55	71	55	40	46	59	48	44	42
Aomori	32	23	16		20		10	17	7	10	11	7	9	9	8	6	8	8	6	11	14	16

Iwate	56	31	34		28		32	27	15	21	18	16	9	15	20	22	13	18	11	12	9	4
Miyagi	41	34	43		36		29	25	23	26	13	14	24	33	32	27	18	26	20	25	21	25
Akita	30	31	19		12		10	12	9	16	19	13	14	9	20	10	9	6	11	11	13	10
Yamagata	35	33	40		21		12	18	9	13	11	10	11	20	19	8	15	18	18	14	13	16
Fukushima	61	67	64		38		37	42	37	35	21	26	30	38	39	32	32	36	30	37	36	43
Ibaraki	125	117	122		81		69	67	76	93	48	62	59	59	70	75	54	48	41	50	53	54
Tochigi	61	62	48		50		41	38	41	25	30	31	25	30	29	18	34	39	30	27	30	26
Gunma	70	68	66		31		54	35	42	24	34	26	20	30	31	38	24	30	20	26	31	26
Saitama	81	73	86		84		75	57	78	60	35	59	58	40	47	43	59	43	56	52	52	41
Chiba	68	67	63		58		52	47	69	51	45	47	42	49	35	49	36	45	45	46	36	41
Tokyo	46	46	41		36		34	31	29	32	25	19	25	31	21	22	17	19	30	28	31	11
Kanagawa	70	72	62		61		66	62	56	59	36	44	35	28	37	44	33	24	27	23	28	32
Niigata	45	59	50		34		45	48	46	31	22	33	20	28	37	36	29	23	23	23	27	27
Toyama	41	27	21		25		24	29	23	17	24	15	23	19	15	21	13	14	15	12	16	17
Ishikawa	23	23	20		14		20	16	18	17	9	9	10	8	12	7	9	11	16	8	12	10
Fukui	35	25	27		22		21	19	15	18	16	8	18	12	11	15	9	14	12	18	16	11
Yamanashi	31	25	25		23		14	21	19	12	9	8	14	18	20	19	12	9	9	8	8	6
Nagano	46	46	51		35		27	41	35	27	19	30	22	34	31	25	21	23	27	21	17	17
Gifu	177	162	149		143		108	139	118	103	83	82	63	84	87	88	82	70	68	62	82	74
Shizuoka	88	69	68		50		32	46	60	47	33	29	36	43	31	28	26	20	32	39	34	23



Aichi	180	200	204		144		119	125	126	120	87	93	82	97	79	93	89	107	93	100	93	79
Mie	82	77	93		71		79	70	77	52	42	34	38	42	35	52	41	41	27	27	33	28
Shiga	57	48	54		69		51	61	50	57	23	40	29	36	42	33	36	27	35	26	37	26
Kyoto	43	40	29		32		26	24	26	20	36	22	21	22	21	14	18	18	16	13	10	14
Osaka	79	82	84		73		48	60	51	40	37	31	44	40	29	34	30	30	40	22	19	26
Hyogo	97	103	97		79		66	63	72	61	46	37	42	33	46	35	42	45	33	35	42	49
Nara	20	31	23		22		18	15	12	20	11	9	4	14	11	10	5	10	4	8	10	10
Wakayama	25	18	34		17		26	14	20	21	10	15	13	20	17	16	12	15	6	14	11	13
Tottori	13	5	8		7		6	10	4	2	4	8	7	6	1	5	3	4	2	6	3	4
Shimane	39	30	35		36		17	27	27	24	13	21	18	13	19	20	21	8	13	12	8	8
Okayama	75	79	73		57		54	55	46	44	25	38	28	44	43	40	34	31	35	30	44	43
Hiroshima	53	58	62		34		40	42	23	47	24	20	22	25	28	23	20	36	25	27	33	21
Yamaguchi	25	28	27		33		18	21	25	21	13	16	19	17	14	12	11	17	10	10	17	12
Tokushima	29	25	20		15		13	9	13	9	13	10	7	6	10	8	16	14	16	10	11	5
Kagawa	48	50	58		34		27	39	21	26	27	22	22	24	22	27	14	19	20	17	12	25
Ehime	37	48	49		38		32	35	35	25	17	15	12	28	21	14	15	19	19	27	21	18
Kochi	28	45	39		32		20	13	14	21	21	12	11	11	11	7	15	12	15	13	12	16
Fukuoka	108	128	104		78		81	65	83	68	58	65	57	50	73	60	67	45	50	54	52	61
Saga	36	37	22		27		17	23	26	18	18	13	13	18	18	10	16	13	9	15	12	16
Nagasaki	46	40	33		26		23	27	29	11	16	12	16	19	20	19	15	23	17	19	18	23





traffic accident (others)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
reaction to motion/improper motion	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
others	0	0	0	0	1	1	0	0	1	0	0	0	3	0	0	0	0	0	1	0	1	1
unclassifiable	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
total	46	40	41	27	35	36	29	21	29	24	20	31	26	21	13	21	14	9	20	18	13	10

Causal agents (middle) of fatal accidents in sand and stone products in 1999-2020

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
engine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
power transmission mechanism	1	1	0	1	2	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
woodworking machine	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
construction machine	4	3	2	1	0	2	3	0	4	1	2	2	0	3	2	2	2	1	0	0	1	0
metal manufacturing machine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
general machine	11	6	9	4	6	5	5	1	2	6	3	3	2	4	4	3	0	2	1	3	1	1
mobile silviculture machine																	0	0	0	0	0	0
crane	2	2	3	1	1	3	2	0	0	2	1	2	3	1	0	0	0	0	1	1	2	1
conveying machine	14	13	12	12	12	12	5	7	10	4	6	10	7	2	6	8	3	3	8	8	4	4

vehicle	0	0	1	1	4	1	1	0	0	2	0	0	0	0	0	0	1	0	2	0	0	0
pressure vessel	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
chemical facilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
welding equipment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
kiln, caldron	0	0	1	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1	0	0	0	0
electric equipment	0	2	0	0	0	0	1	0	0	1	0	0	2	1	0	0	0	0	0	0	0	0
human power machine, tools	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
tools	3	2	0	1	1	1	1	3	0	1	0	1	1	0	0	0	1	0	1	1	0	0
other equipments, facilities	0	0	1	0	1	0	2	0	2	1	1	1	0	1	0	3	2	0	0	2	1	0
temporary buildings, establishments	6	5	4	4	3	6	1	4	3	0	4	10	1	4	1	1	2	0	4	1	2	2
hazards, harmful substances	0	0	0	0	1	1	0	0	1	0	0	0	0	1	0	1	0	0	0	0	0	0
materials	2	2	4	0	1	1	5	1	0	1	1	0	2	3	0	2	2	1	1	2	0	0
load	2	0	4	1	0	2	2	3	3	1	1	0	0	1	0	1	0	1	1	0	0	0
natural environment	1	1	0	1	2	1	1	0	2	3	0	2	8	0	0	0	0	0	0	0	1	1
other causal agent	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
no causal agent	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0
unclassifiable	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
total	46	40	41	27	35	36	29	21	29	24	20	31	26	21	13	21	14	9	20	18	13	10











other kiln, caldron	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
transmission	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
electric power facilities	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0
other electrical equipment	0	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
human power cranes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
human power hauling equipment	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
human power machine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
hand tool	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ladder	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0
slinging tool	1	0	0	1	1	1	1	2	0	0	0	0	0	0	0	0	1	0	0	0	0	0
other tools	2	2	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	1	1	0	0
other equipment, facilities	0	0	1	0	1	0	2	0	2	1	1	1	0	1	0	3	2	0	0	2	1	0
scaffolding	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
timbering	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
stairs, landing stage	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
opening	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
roof, beam, haze, crossbeam, principal rafter	2	0	2	1	0	1	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	1
working platform, boot	0	0	0	0	0	0	0	2	0	0	0	1	1	0	1	1	0	0	0	0	0	0



water	0	0	0	1	1	0	0	0	1	2	0	0	7	0	0	0	0	0	0	0	0	0
abnormal environment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
high/cold temperature environment	0	0	0	0	1	1	0	0	1	0	0	2	0	0	0	0	0	0	0	0	1	1
other environments	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
other causal agent	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
no causal agent	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0
unclassifiable	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
total	46	40	41	27	35	36	29	21	29	24	20	31	26	21	13	21	14	9	20	18	13	10

#### Workers age of fatal accidents in sand and stone products in 1999-2020

Age	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
19 years old or less	0	1	0	1	0	0	1	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0
20-29	6	4	5	2	0	3	5	2	1	2	0	1	1	1	0	1	1	0	2	2	1	1
30-39	4	8	4	2	3	5	2	4	5	2	4	5	4	4	2	6	1	4	2	2	0	0
40-49	8	5	4	2	5	7	1	4	7	2	3	5	2	4	2	3	2	1	2	6	3	1
50-59	16	15	17	12	18	14	11	5	8	11	8	11	8	9	5	7	2	3	9	5	4	4
60 years old or more	12	7	11	8	9	7	9	6	8	7	5	8	11	3	4	4	8	1	4	3	5	4
total	46	40	41	27	35	36	29	21	29	24	20	31	26	21	13	21	14	9	20	18	13	10

Workers' number of workplace of fatal accidents in sand and stone products in 1999-2020

Workers scale	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
9 workers or less	6	8	11	8	10	12	2	5	6	10	4	16	17	4	5	4	3	2	3	3	1	2
10-29	21	14	20	9	13	13	14	7	14	6	9	12	5	11	4	10	8	4	13	13	7	7
30-49	6	11	6	5	5	6	2	5	5	2	5	2	1	2	2	3	0	1	3	1	2	1
50-99	8	7	3	3	4	2	9	3	1	2	2	1	2	1	1	1	3	0	1	1	3	0
100-299	3	0	1	2	2	2	1	0	2	4	0	0	1	2	0	3	0	2	0	0	0	0
300 workers or more	2	0	0	0	1	1	1	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0
total	46	40	41	27	35	36	29	21	29	24	20	31	26	21	13	21	14	9	20	18	13	10

Month of fatal accidents in sand and stone products in 1999-2020

Month	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
January	6	2	6	5	3	4	1	2	3	3	1	3	0	6	1	2	0	0	2	2	0	1
February	3	2	2	2	2	3	1	2	0	1	2	2	0	3	1	4	1	1	2	3	0	0
March	6	5	5	4	6	2	4	1	2	3	2	3	5	0	1	1	2	1	2	1	1	0
April	3	0	4	1	3	3	1	4	4	2	1	1	2	1	2	0	0	1	2	0	1	3
May	2	4	4	1	2	1	4	1	3	2	2	4	1	3	1	1	4	0	3	0	2	1
June	3	4	2	5	2	4	4	2	3	3	2	3	4	1	2	1	1	1	0	2	1	2





Wakayama	0	0	3	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
Tottori	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Shimane	1	1	0	2	3	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Okayama	1	2	1	2	2	0	0	0	1	0	0	0	0	2	0	0	0	1	0	0	0	0
Hiroshima	1	1	1	1	0	2	1	0	0	1	1	0	0	0	0	1	1	0	0	1	0	0
Yamaguchi	1	0	0	2	0	0	0	0	0	0	1	1	0	0	1	0	1	0	0	0	0	0
Tokushima	0	2	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Kagawa	0	1	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	1
Ehime	2	1	1	0	0	1	0	0	1	1	0	0	1	3	0	0	0	0	1	0	0	0
Kochi	2	1	2	0	0	1	0	0	0	0	1	0	0	0	1	0	1	0	0	2	0	0
Fukuoka	3	3	1	1	2	1	1	0	0	0	0	1	2	1	0	2	0	0	3	0	0	1
Saga	0	0	1	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0
Nagasaki	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0
Kumamoto	1	1	2	0	0	1	0	0	1	1	0	2	0	1	0	0	0	0	0	0	0	0
Oita	3	0	0	1	0	0	0	1	1	0	0	1	0	1	1	0	0	0	2	0	0	0
Miyazaki	1	0	0	0	0	1	0	0	0	0	1	2	0	1	0	0	1	0	0	0	0	0
Kagoshima	2	0	1	0	0	1	0	1	1	1	0	0	0	2	0	0	0	0	0	0	1	0
Okinawa	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	1	0	0	0
total	46	40	41	27	35	36	29	21	29	24	20	31	26	21	13	21	14	9	20	18	13	10



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

Return to [https://www.jisha.or.jp/english/statistics/2020e\\_industry.html](https://www.jisha.or.jp/english/statistics/2020e_industry.html)