

Relation between causal agents and code no. 00 total as type of Fatal accidents in 1999-2020

L	M	S	causal agent	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	total
		111	engine	3	0	0	0	2	0	2	2	0	3	0	0	2	1	0	0	0	1	0	0	1	0	17
	11		engine	3	0	0	0	2	0	2	2	0	3	0	0	2	1	0	0	0	1	0	0	1	0	17
		121	power transmission mechanism	1	10	2	3	4	3	0	4	3	8	3	1	2	1	4	2	1	6	0	4	1	0	63
	12		power transmission mechanism	1	10	2	3	4	3	0	4	3	8	3	1	2	1	4	2	1	6	0	4	1	0	63
		131	circular sawing machine	4	6	4	3	3	4	4	1	5	5	3	1	1	2	3	3	2	0	0	2	2	0	58
		132	band sawing machine	2	0	2	0	2	0	1	2	1	0	0	1	2	0	0	3	0	0	0	1	1	0	18
		133	wood planer machine	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	3
		134	hollow chisel mortiser, wood borer	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
		135	chamfering machine, router, woodworking milling machine	1	1	1	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	5
		136	chain saw	0	1	1	0	1	2	0	0	1	1	0	2	1	1	0	0	1	0	0	0	1	2	15
		139	other woodworking machines	2	4	6	4	0	3	3	1	2	3	0	1	2	1	4	0	2	0	1	5	3	2	49
	13		woodworking machine	9	12	15	7	6	9	9	4	11	9	3	5	7	4	7	6	5	0	1	8	8	4	149
		141	leveling, transporting or loading machine	34	30	29	25	22	25	24	16	30	17	16	16	13	14	9	16	8	13	14	13	13	13	410
		142	excavating machine	79	73	61	47	52	36	41	41	28	34	25	30	27	25	31	26	20	14	24	14	15	19	762
		143	foundation work machine	5	4	6	4	4	2	8	0	1	3	2	0	2	1	0	2	2	0	2	4	0	3	55
		144	hardening machine	17	8	8	14	9	8	10	9	0	8	3	9	2	2	3	5	1	4	3	2	2	4	131
		145	demolition machine	3	3	4	2	3	6	0	0	3	4	4	1	2	3	3	8	11	11	5	8	6	6	96
		146	vehicle for high lift work	6	10	7	8	5	6	4	11	13	9	8	5	4	10	5	8	5	4	5	3	5	6	147
		149	other construction machines	16	16	9	15	17	15	11	12	9	13	18	12	10	19	8	3	5	4	5	5	4	6	232

	14	construction machine	160	144	124	115	112	98	98	89	84	88	76	73	60	74	59	68	52	50	58	49	45	57	1,833	
		151	lathe	4	4	8	2	2	2	1	3	3	3	3	3	3	5	5	1	6	1	1	1	1	65	
		152	drill press, milling machine	3	2	1	2	3	0	3	2	1	0	2	1	0	2	4	1	0	2	0	1	2	1	33
		153	grinding machine, buffing machine	2	1	0	3	3	1	0	0	0	1	0	4	1	2	1	0	1	1	0	0	0	2	23
		154	power press	2	2	3	4	0	3	0	2	1	2	2	0	1	2	2	3	0	0	1	0	0	2	32
		155	forging pressure hammer	0	0	1	1	0	0	1	0	3	1	0	1	0	0	0	0	0	0	0	0	0	0	8
		156	shearing machine	0	1	0	0	2	0	0	1	0	0	0	1	0	1	0	1	0	1	0	0	0	0	8
		159	other metal manufacturing machines	6	10	2	8	6	7	4	16	7	5	0	8	2	7	7	4	3	1	3	4	2	4	116
	15		metal manufacturing machine	17	20	15	20	16	13	9	24	15	12	7	18	7	17	19	14	5	11	5	6	5	10	285
		161	centrifugal machine	0	0	6	0	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	9
		162	mixer, grinder	13	10	11	15	10	8	11	9	7	11	6	8	4	7	14	7	5	4	5	3	5	6	179
		163	roll machine (except printingroll machine)	6	9	5	2	5	5	3	2	3	9	2	3	2	6	1	4	3	2	3	0	0	3	78
		164	injection molding machine	2	2	2	3	1	1	2	1	1	2	3	0	3	2	2	0	1	0	1	2	1	1	33
		165	food manufacturing machine	3	3	0	2	6	3	4	3	0	2	3	2	0	0	1	3	0	2	4	0	3	1	45
		166	printing machine	2	0	0	1	1	0	0	0	1	0	1	1	2	1	2	1	0	0	0	1	0	0	14
		167	industrial robot	0	1	1	2	6	1	1	4	4	1	2	2	1	2	2	3	3	3	1	1	2	2	45
		169	other general power machines	40	45	36	42	30	39	31	28	24	30	33	25	26	18	15	21	26	17	30	22	19	21	618
	16		general machine	66	70	61	67	60	57	52	48	40	55	50	41	38	36	37	39	38	29	44	29	30	34	1,021
		171	felling machine																1	3	5	0	5	3	17	
		172	mobile logging machine																3	3	3	3	0	3	15	
		173	skyline yarding machine																1	0	0	0	0	0	1	
		179	other mobile silviculture machine																0	0	0	0	0	0	0	

	17	mobile silviculture machine																5	6	8	3	5	6	33	
1		machine	256	256	217	212	200	180	170	171	153	175	139	138	116	133	126	129	106	103	116	99	95	111	3,401
		211 crane	29	23	24	19	24	17	21	15	22	18	14	16	15	12	11	15	8	27	10	9	18	6	373
		212 mobile crane	29	39	41	34	26	32	27	26	23	18	18	22	11	19	22	19	21	11	22	25	18	16	519
		213 derrick crane	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	2
		214 elevator, lift	9	13	17	11	17	6	8	13	14	11	9	8	13	11	1	6	9	14	7	4	3	3	207
		215 cargo lifting appliance	0	0	1	0	0	1	0	2	0	1	0	2	1	2	2	1	0	2	0	0	0	2	17
		216 gondola	2	0	0	1	0	0	2	0	1	0	0	0	1	1	2	0	0	0	0	0	0	0	10
		217 lumberyard equipment, logging cableway	3	6	5	4	1	3	3	5	1	0	3	0	1	1	0	3	0	1	1	0	0	1	42
		218 simple skyline yarding equipment																0	0	0	0	0	0	0	0
		219 other powered crane	3	7	3	9	6	4	8	5	6	3	0	4	3	1	2	3	3	1	1	1	5	0	78
	21	crane	75	88	91	78	74	63	69	66	67	52	44	52	46	47	40	47	41	56	41	39	44	28	1,248
		221 truck	410	413	360	319	322	311	323	257	260	209	169	216	171	174	161	187	141	135	165	117	121	125	5,066
		222 forklift	55	45	37	47	41	46	42	48	34	30	29	29	33	34	24	27	24	28	30	26	20	31	760
		223 railway equipment	5	0	0	3	1	4	5	2	1	2	0	1	1	1	0	2	0	2	1	0	0	1	32
		224 conveyor	21	25	10	16	16	20	11	17	23	13	13	14	8	15	10	15	9	15	17	17	8	11	324
		225 loader	2	3	1	2	2	6	1	1	1	0	0	0	4	0	0	0	0	3	0	2	0	0	28
		226 straddle carrier	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	1	0	1	1	0	6
		227 rough terrain hauler	11	3	4	7	4	8	3	1	2	1	7	2	1	2	2	3	1	3	3	1	5	2	76
		229 other powered conveying machines	18	13	28	14	22	22	19	16	7	10	16	13	12	12	7	8	8	8	8	6	10	4	281
	22	conveying machine	522	502	440	408	408	417	404	343	328	266	234	276	230	238	204	242	183	195	224	170	165	174	6,573
		231 cars, bus, motorcycle	283	263	259	244	239	211	225	193	149	154	126	126	130	134	121	131	103	118	93	98	88	94	3,582
		232 railway vehicle	9	8	6	6	6	3	15	10	3	1	5	2	3	2	3	1	2	0	3	1	2	1	92
		239 other vehicles	20	15	19	21	11	23	15	15	18	21	15	18	16	13	10	12	11	9	19	6	7	11	325
	23	vehicle	312	286	284	271	256	237	255	218	170	176	146	146	149	149	134	144	116	127	115	105	97	106	3,999
2		crane, conveying machine	909	876	815	757	738	717	728	627	565	494	424	474	425	434	378	433	340	378	380	314	306	308	11,820
		311 boiler	0	0	0	2	0	0	1	2	0	0	0	2	1	0	0	0	1	1	0	1	0	0	11

		312	pressure vessel	1	3	3	1	0	7	1	2	1	0	0	2	0	1	0	0	0	1	1	0	0	0	24
		319	other pressure vessels	0	2	1	2	0	1	2	1	1	1	0	0	1	0	1	0	1	0	1	1	0	0	16
	31		pressure vessel	1	5	4	5	0	8	4	5	2	1	0	4	2	1	1	0	2	2	2	2	0	0	51
		321	chemical facilities	0	0	4	3	1	1	0	0	1	4	5	0	2	1	2	5	1	2	0	1	0	2	35
	32		chemical facilities	0	0	4	3	1	1	0	0	1	4	5	0	2	1	2	5	1	2	0	1	0	2	35
		331	gas welding equipment	0	0	2	0	0	0	0	0	1	3	2	2	0	3	1	1	6	1	1	3	0	2	28
		332	arc welding equipment	3	3	4	2	4	3	3	2	4	3	1	5	2	0	0	3	3	3	3	2	4	0	57
		339	other welding equipment	0	0	0	0	1	0	0	0	0	0	0	0	1	1	0	0	1	0	0	0	0	0	4
	33		welding equipment	3	3	6	2	5	3	3	2	5	6	3	7	3	4	1	4	10	4	4	5	4	2	89
		341	kiln, caldron	4	0	5	9	1	5	0	2	11	2	3	0	0	2	6	2	1	5	3	0	1	3	65
		342	industrial dryer	1	0	1	0	2	2	2	0	0	2	0	0	0	1	0	0	0	1	0	0	1	0	13
		349	other kiln, caldron	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
	34		kiln, caldron	5	0	7	10	3	8	2	2	11	4	3	0	0	3	6	2	1	6	3	0	2	3	81
		351	transmission	14	16	9	9	4	17	12	7	7	12	9	6	5	7	5	6	7	9	6	5	3	3	178
		352	electric power facilities	12	4	10	3	4	2	6	6	5	6	4	2	1	3	3	6	1	2	1	4	0	1	86
		359	other electrical equipment	4	4	3	1	1	0	2	2	0	5	1	1	2	2	0	1	1	1	0	0	0	0	31
	35		electric equipment	30	24	22	13	9	19	20	15	12	23	14	9	8	12	8	13	9	12	7	9	3	4	295
		361	human power cranes	3	3	3	2	3	1	0	4	1	2	1	0	1	1	2	0	2	2	2	2	3	1	39
		362	human power hauling equipment	3	4	4	6	2	5	8	7	4	4	4	8	1	4	2	2	5	1	5	5	6	3	93
		363	human power machine	0	1	1	1	0	0	0	1	0	2	0	0	0	1	0	0	0	0	0	0	0	0	7
		364	hand tool	3	3	0	2	2	2	3	1	2	1	0	0	0	1	0	0	0	0	0	1	0	2	23
	36		human power machine, tools	9	11	8	11	7	8	11	13	7	9	5	8	2	7	4	2	7	3	7	8	9	6	162
		371	ladder	40	39	43	36	43	42	32	39	40	27	30	44	27	27	35	27	26	20	33	29	23	17	719
		372	slinging tool	22	23	26	21	16	19	15	27	15	23	13	8	11	11	12	9	13	16	9	15	4	8	336
		379	other tools	10	12	15	6	15	13	11	9	6	10	8	10	5	4	6	13	7	5	9	3	9	1	187
	37		tools	72	74	84	63	74	74	58	75	61	60	51	62	43	42	53	49	46	41	51	47	36	26	1,242
		391	other equipments,	18	19	16	18	23	19	17	14	11	20	17	14	13	14	12	21	15	16	9	13	12	15	346

			facilities																							
	39		other equipments, facilities	18	19	16	18	23	19	17	14	11	20	17	14	13	14	12	21	15	16	9	13	12	15	346
3			other equipment	138	136	151	125	122	140	115	126	110	127	98	104	73	84	87	96	91	86	83	85	66	58	2,301
		411	scaffolding	78	55	56	53	53	50	44	31	36	38	28	49	29	26	36	36	27	17	31	25	23	19	840
		412	timbering	5	2	7	3	0	4	0	2	1	1	2	2	3	7	1	1	2	0	2	0	0	0	45
		413	stairs, landing stage	16	10	10	10	12	10	10	15	19	14	18	17	10	12	12	10	6	10	17	18	15	8	279
		414	opening	13	20	21	21	13	29	17	21	16	18	18	10	14	20	10	7	18	8	12	20	10	7	343
		415	roof, beam, haze, crossbeam, principal rafter	94	76	85	81	70	84	57	61	59	55	37	41	54	53	57	39	47	49	44	51	37	27	1,258
		416	working platform, boot board	25	22	18	16	21	15	9	18	18	16	17	13	14	9	10	14	11	7	7	11	9	7	307
		417	passage	7	9	8	8	4	7	5	12	13	2	4	13	10	7	7	6	5	9	6	10	6	9	167
		418	building, establishment	104	105	103	82	94	62	68	76	74	77	52	50	52	57	38	47	35	54	45	38	32	32	1,377
		419	other temporary buildings, establishments	18	21	19	19	27	23	16	18	15	11	13	18	10	10	6	12	10	9	20	6	8	12	321
	41		temporary buildings, establishments	360	320	327	293	294	284	226	254	251	232	189	213	196	201	177	172	161	163	184	179	140	121	4,937
4			temporary buildings, establishments	360	320	327	293	294	284	226	254	251	232	189	213	196	201	177	172	161	163	184	179	140	121	4,937
		511	explosive substance	4	2	0	1	12	1	5	1	0	1	3	1	0	1	0	0	0	0	2	3	0	0	37
		512	inflammable substance	9	18	10	3	14	6	2	15	12	3	5	2	4	5	8	2	4	2	2	3	37	2	168
		513	inflammable gas	2	2	4	3	2	5	2	0	9	3	0	1	4	8	4	2	3	1	0	2	2	1	60
		514	harmful substance	19	17	9	18	15	14	9	13	13	6	11	11	8	7	11	14	13	4	7	8	5	6	238
		515	radiation	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
		519	other hazards, harmful substances	5	6	3	2	2	3	0	2	4	3	1	0	3	2	1	2	3	1	2	3	5	2	55
	51		hazards, harmful substances	40	45	26	27	45	29	18	31	38	16	20	15	19	23	24	20	23	8	13	19	49	11	559
		521	metal material	26	18	26	21	13	18	21	22	24	21	13	13	11	14	18	11	15	4	14	13	7	8	351
		522	lumber, bamboo	5	11	9	11	2	7	7	9	7	5	3	6	2	4	2	1	5	2	3	3	2	3	109
		523	stone, sand, substance	5	6	5	2	3	1	7	2	1	0	0	0	3	2	0	2	1	3	1	2	0	2	48

		529	other materials	5	3	6	5	4	4	5	3	2	3	8	5	3	3	4	2	4	3	2	0	0	2	76
		52	materials	41	38	46	39	22	30	40	36	34	29	24	24	19	23	24	16	25	12	20	18	9	15	584
		5	substance, material	81	83	72	66	67	59	58	67	72	45	44	39	38	46	48	36	48	20	33	37	58	26	1,143
		611	load	25	28	30	25	22	35	22	25	28	23	16	18	16	21	14	12	14	16	12	16	20	12	450
		612	machine/equipment as load	5	6	4	0	5	8	8	6	8	3	4	4	5	4	3	3	6	1	3	3	3	4	96
		61	load	30	34	34	25	27	43	30	31	36	26	20	22	21	25	17	15	20	17	15	19	23	16	546
		6	load	30	34	34	25	27	43	30	31	36	26	20	22	21	25	17	15	20	17	15	19	23	16	546
		711	natural ground, rock	77	59	64	56	57	49	32	39	40	32	37	26	28	25	37	25	24	24	19	24	25	22	821
		712	standing tree	57	48	45	40	37	41	47	49	44	38	36	50	34	39	35	51	50	35	37	35	35	35	918
		713	water	15	19	10	12	14	24	13	14	11	22	18	14	1,301	13	17	12	11	16	21	20	9	16	1,622
		714	abnormal environment	2	9	8	7	5	3	5	8	2	9	4	5	4	7	5	1	5	4	4	7	5	9	118
		715	high/cold temperature environment	21	17	27	23	17	14	24	17	18	17	9	49	21	19	32	12	30	12	15	30	25	24	473
		719	other environments	12	16	2	11	15	14	14	30	4	10	10	14	21	7	16	9	10	9	7	13	6	9	259
		71	natural environment	184	168	156	149	145	145	135	157	119	128	114	158	1,409	110	142	110	130	100	103	129	105	115	4,211
		7	environment	184	168	156	149	145	145	135	157	119	128	114	158	1,409	110	142	110	130	100	103	129	105	115	4,211
		911	other causal agent	19	8	10	14	27	33	21	10	9	5	9	5	7	1	6	12	3	1	0	4	6	23	233
		91	other causal agent	19	8	10	14	27	33	21	10	9	5	9	5	7	1	6	12	3	1	0	4	6	23	233
		921	no causal agent	7	2	3	10	3	11	19	22	37	29	28	37	44	52	43	49	62	57	59	37	39	21	671
		92	no causal agent	7	2	3	10	3	11	19	22	37	29	28	37	44	52	43	49	62	57	59	37	39	21	671
		999	unclassifiable	8	6	5	7	5	8	12	7	5	7	10	5	9	7	6	5	11	3	5	6	7	3	147
		99	unclassifiable	8	6	5	7	5	8	12	7	5	7	10	5	9	7	6	5	11	3	5	6	7	3	147
		9	others	34	16	18	31	35	52	52	39	51	41	47	47	60	60	55	66	76	61	64	47	52	47	1,051
		0	total	1,992	1,889	1,790	1,658	1,628	1,620	1,514	1,472	1,357	1,268	1,075	1,195	2,338	1,093	1,030	1,057	972	928	978	909	845	802	29,410

Data of 2011 year include Industrial 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/2020eftcs.html>