

code no.371 ladder as Causal (S) agents

Fatal & non-fatal accidents caused by ladder as Causal (S) agents in 1999-2020

Industry	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
010101 meat/dairy products			20		23		19	35	15	26	25	33	25	23	22	29	24	33	27	21	20	19
010102 fishery products			25		27		32	22	27	20	25	32	22	24	13	12	24	22	17	10	20	15
010103 agricultural food products			20		21		11	17	7	12	12	18	15	11	18	13	10	8	11	8	9	14
010104 bread/cake products			30		30		25	29	36	36	32	35	33	27	32	33	35	38	39	42	39	43
010105 alcoholic drinks			21		15		11	18	13	13	13	17	10	9	9	10	13	21	15	16	17	15
010106 soft drinks			7		6		6	4	11	11	7	6	6	10	6	4	5	7	4	8	6	6
010109 other foods			78		79		80	88	101	83	86	100	95	112	115	81	99	116	91	101	124	127
0101 food products			201		201		184	213	210	201	200	241	206	216	215	182	210	245	204	206	235	239
010201 silk-reeling			2		0		1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
010202 cotton-spinning			6		6		2	4	6	5	0	2	3	2	4	3	2	1	1	1	2	1
010203 weaving			7		7		5	8	13	5	6	3	7	2	5	3	3	4	3	7	4	1
010204 dyeing			9		4		6	7	1	9	3	4	6	4	3	2	9	5	2	6	2	3
010209 other textile products			18		16		6	9	8	13	10	5	6	7	10	5	11	7	5	11	4	10
0102 textile products			42		33		20	28	28	32	20	14	22	15	22	13	25	17	11	25	12	15
010301 over/under wear			5		3		2	5	3	2	8	5	4	3	4	1	2	2	4	2	5	2
010309 other fiber products			9		12		13	11	9	9	5	11	6	9	4	8	3	1	10	9	8	4

0103 fiber products			14		15		15	16	12	11	13	16	10	12	8	9	5	3	14	11	13	6
010401 lumbering			29		18		22	16	12	16	13	9	8	10	11	11	8	9	9	10	9	8
010402 plywood			3		4		4	4	2	4	5	2	3	3	10	4	4	3	2	2	1	3
010409 other lumber and wood products			27		18		21	17	17	11	13	7	12	12	16	14	19	17	13	12	13	11
0104 wood products			59		40		47	37	31	31	31	18	23	25	37	29	31	29	24	24	23	22
010501 wood furniture			15		19		11	11	7	5	5	6	1	3	3	4	5	11	3	7	1	2
010502 metal furniture			0		2		0	1	2	2	0	0	0	1	0	0	0	0	2	0	3	1
010503 fittings			12		4		4	8	12	4	3	3	1	2	5	1	2	1	0	1	3	3
010509 other furniture			5		6		3	4	8	7	2	1	1	0	0	4	2	1	0	3	3	6
0105 furniture			32		31		18	24	29	18	10	10	3	6	8	9	9	13	5	11	10	12
010601 pulp/paper			9		5		5	2	2	4	6	4	5	3	5	4	7	4	5	6	6	5
010602 paper processing products			14		13		12	14	14	13	8	11	14	15	13	14	13	6	15	10	13	8
010609 other pulp/paper processing products			3		8		5	7	3	4	4	2	2	1	6	3	5	7	0	2	2	2
0106 pulp/paper processing products			26		26		22	23	19	21	18	17	21	19	24	21	25	17	20	18	21	15
010701 printing service			15		15		11	14	15	11	15	9	16	8	12	10	9	12	7	3	4	10
010702 bookbinding			3		2		1	2	2	0	1	1	1	1	1	1	2	1	0	0	0	1
010709 other printing and bookbinding			0		4		2	2	3	2	1	2	2	0	2	1	0	2	2	0	4	3

0107 printing/bookbinding			18		21		14	18	20	13	17	12	19	9	15	12	11	15	9	3	8	14
010801 non organic or organic chemical products			12		17		16	6	13	12	11	14	10	8	5	12	11	12	7	7	6	12
010802 chemical fiber			0		4		2	2	2	0	1	2	0	1	1	0	0	2	1	0	0	1
010803 pharmaceuticals			9		9		4	3	6	5	6	2	1	3	5	3	7	4	5	4	7	9
010804 petroleum/coal products			10		2		3	1	2	4	2	5	2	5	1	2	0	3	4	0	3	1
010805 plastics products			34		32		39	38	46	47	29	31	35	37	31	39	35	31	40	46	36	46
010806 rubber products			10		9		7	8	7	13	3	3	8	5	8	6	4	7	2	8	8	5
010807 leather products			1		0		1	2	0	0	2	0	1	0	2	0	1	2	4	3	1	1
010808 painting products			1		3		1	1	3	2	1	1	1	3	3	5	4	2	1	5	4	1
010809 chemical fertilizer products			4		4		1	4	3	5	5	1	6	3	0	1	2	2	4	5	7	4
010899 other chemical products			10		11		15	12	10	13	7	15	14	12	12	16	13	11	12	19	12	16
0108 chemical products			91		91		89	77	92	101	67	74	78	77	68	84	77	76	80	97	84	96
010901 cement products			36		30		30	34	26	28	17	18	18	18	26	27	19	19	18	28	22	14
010902 glass products			3		5		5	6	6	4	2	3	3	6	3	7	5	3	5	4	4	8
010903 pottery products			5		3		3	6	1	1	2	4	3	3	0	3	3	4	3	0	5	3
010904 fire resisting products			0		0		1	3	2	2	0	0	0	0	1	1	0	0	1	0	3	0
010905 other ceramic products			1		3		3	0	5	1	3	1	1	0	2	0	1	2	3	5	2	1

010909 other sand and stone products			12		10		13	13	14	16	10	4	10	10	11	9	8	11	13	13	13	12
0109 sand and stone products			57		51		55	62	54	52	34	30	35	37	43	47	36	39	43	50	49	38
011001 steel/iron/rolling products			8		4		3	7	12	12	3	5	4	4	5	5	4	3	8	2	5	4
011002 casting products			6		7		2	8	12	9	7	7	5	3	3	1	6	7	4	4	0	7
011009 other steel products			9		9		7	3	5	7	7	4	7	3	6	4	5	0	6	6	4	7
0110 steel making			23		20		12	18	29	28	17	16	16	10	14	10	15	10	18	12	9	18
011101 nonferrous metals/rolling products			2		2		3	4	0	2	3	3	2	2	0	2	2	3	3	0	4	2
011102 nonferrous metals casting products			2		0		3	4	3	1	4	2	3	2	2	0	3	4	5	4	2	1
011109 other nonferrous metal products			5		1		6	6	8	6	3	6	4	3	1	3	3	2	2	7	4	4
0111 nonferrous metal making			9		3		12	14	11	9	10	11	9	7	3	5	8	9	10	11	10	7
011201 western tableware/cutting tool products			1		3		3	1	1	2	0	3	0	1	0	1	0	0	0	2	1	1
011202 screw products			4		3		2	1	3	3	2	3	4	2	1	2	2	3	8	3	3	3
011203 metal press products			10		14		3	9	8	12	9	5	8	6	4	0	7	7	6	7	6	9

011204 metal plating products			10	7	5	6	6	3	7	8	2	8	3	5	6	2	4	6	8	5	
011209 other metal products			223	189	186	164	189	156	178	125	137	131	123	115	111	103	115	117	129	104	
0112 metal products			248	216	199	181	207	176	196	144	151	148	131	123	126	115	133	135	147	122	
011301 machine products			87	94	91	76	85	75	75	67	63	71	59	71	47	60	59	56	53	72	
011302 measuring instruments			4	1	1	3	2	2	1	3	2	2	1	2	2	1	1	2	1	2	
011303 optical instruments			0	1	0	7	3	3	1	0	4	3	1	0	1	1	1	1	3	0	
011304 watch products			0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0
011305 other precision machine products			7	8	14	12	4	6	3	2	7	5	8	2	5	9	7	9	13	8	
0113 machine products			98	104	106	99	95	86	80	72	76	81	69	75	55	71	68	69	70	82	
011401 heavy electrical equipment			5	6	3	6	6	4	5	4	3	11	7	6	4	5	6	5	6	13	
011402 electrical appliance			7	7	7	7	7	6	1	8	9	4	2	3	4	8	4	8	1	5	
011403 electronics equipment and telecommunications apparatus			8	10	7	13	11	12	8	7	7	8	9	13	15	11	7	17	6	10	
011409 other electrical equipment			17	20	18	15	26	9	10	14	17	11	16	14	15	16	21	16	28	16	
0114 electrical equipment			37	43	35	41	50	31	24	33	36	34	34	36	38	40	38	46	41	44	

products																						
011501 ship building			49		47		44	43	36	49	35	31	23	29	24	26	27	32	32	31	26	35
011502 auto mobile products			37		35		38	36	55	34	28	26	27	33	29	37	39	41	30	44	23	23
011503 railway vehicle products			1		6		1	2	5	4	3	0	1	2	0	2	1	4	2	2	3	2
011509 other transport equipment products			6		9		11	9	10	18	12	4	14	6	8	9	11	10	11	7	8	13
0115 transport equipment products			93		97		94	90	106	105	78	61	65	70	61	74	78	87	75	84	60	73
011601 electric utility service			5		4		5	2	3	1	1	3	0	2	2	1	5	1	6	6	1	2
011602 city gas service			4		2		2	0	0	2	0	0	0	2	3	0	2	1	0	3	2	2
011603 city water service			3		2		1	1	3	5	4	1	2	1	2	2	2	3	2	2	1	4
011609 other electric/gas/water service			1		0		0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0
0116 electric/gas/water service			13		8		8	3	6	8	5	4	3	5	8	3	10	5	8	11	4	8
011701 auto mobile servicing			55		61		47	55	53	48	49	59	51	59	51	49	44	52	49	53	65	57
011702 machine repair			23		18		20	17	22	15	15	17	23	11	16	11	16	12	10	13	15	16
011703 cleaning			24		17		14	18	20	31	20	21	23	18	29	19	25	16	22	30	27	32
011704 tobacco products			0		1		0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
011709 other manufacturing			44		43		46	53	37	45	53	39	41	39	33	49	42	36	41	46	52	41
0117 other manufacturing			146		140		127	143	133	139	137	136	138	127	129	128	127	116	122	142	159	147

030105 bridge construction work			6	7	2	4	5	5	6	6	2	4	2	3	6	3	4	4	0	5
030106 road construction work			37	28	35	18	17	15	30	14	16	18	16	24	25	25	23	14	18	20
030107 river civil engineering work			15	8	9	10	4	6	3	6	5	6	13	10	8	5	5	3	6	10
030108 sand collapse prevention civil engineering work			7	8	9	7	7	3	8	0	4	2	4	4	3	3	2	4	6	5
030109 land consolidation civil engineering work			13	11	21	16	12	19	16	11	15	12	14	13	6	15	10	13	12	19
030110 water supply/sewage construction work			34	19	19	19	14	21	10	9	9	15	16	6	7	7	8	6	13	4
030111 port/seaside construction work			5	3	2	4	3	4	3	2	3	4	4	6	3	5	4	0	2	2
030199 other civil engineering work			176	160	159	147	141	149	143	150	160	145	141	134	159	120	144	148	138	150
0301 civil engineering work			297	248	261	231	207	231	223	200	216	209	214	202	221	190	204	194	204	216
030201 steel frame/reinforced concrete house construction work			398	365	376	422	400	344	232	207	254	319	289	348	258	246	237	233	262	215
030202 wooden house construction work			707	630	617	545	450	416	405	373	396	432	413	371	309	333	333	312	295	308

040202 bus service			28		30		35	41	32	40	47	55	36	29	35	45	35	42	49	50	50	32
040209 other passenger transport service			4		6		3	2	5	1	2	1	4	1	6	3	3	4	3	5	4	2
0402 road passenger transport service			42		52		50	59	52	47	62	69	52	40	52	60	54	56	69	75	71	59
040301 general truck transportation service			158		154		184	174	198	205	185	210	195	169	216	204	219	188	217	235	262	291
040302 specific truck transportation service			6		14		7	4	7	11	7	6	4	7	13	7	7	4	11	11	5	11
040303 cargo/ light automobile transportation service			1		1		2	2	0	1	3	0	2	0	0	1	2	1	1	3	1	6
040309 other land cargo transportation service			6		6		8	9	8	13	6	8	8	3	7	3	5	7	8	5	4	9
0403 road cargo transportation service			171		175		201	189	213	230	201	224	209	179	236	215	233	200	237	254	272	317
040409 other transportation service			1		3		0	1	5	2	2	2	1	1	4	4	7	2	2	2	2	2
0404 other transportation service			1		3		0	1	5	2	2	2	1	1	4	4	7	2	2	2	2	2
04 transportation service			232		240		266	257	281	295	272	304	271	235	303	297	302	270	318	350	354	394
050101 land cargo handling service			19		23		21	24	35	22	16	23	22	26	25	34	32	27	35	24	38	45

10 movie/play service			3	1	4	5	4	4	1	7	6	5	5	9	7	9	5	8	7	1
110101 telecommunication service			2	7	10	12	16	10	12	15	15	9	9	10	10	15	14	14	17	14
1101 telecommunication service			2	7	10	12	16	10	12	15	15	9	9	10	10	15	14	14	17	14
11 telecommunication service			2	7	10	12	16	10	12	15	15	9	9	10	10	15	14	14	17	14
120101 auto mobile practical training			1	3	1	3	2	1	3	2	1	3	2	0	6	0	3	1	5	5
120102 software service			0	0	1	2	0	0	1	1	0	1	0	1	0	0	0	1	2	0
120109 other education/research service			29	34	41	44	54	48	52	50	50	61	51	51	40	58	66	52	62	85
1201 education/research service			30	37	43	49	56	49	56	53	51	65	53	52	46	58	69	54	69	90
12 education/research service			30	37	43	49	56	49	56	53	51	65	53	52	46	58	69	54	69	90
130101 hospital			34	43	35	33	30	40	29	34	45	32	54	35	40	33	43	41	37	47
130102 general clinic			3	2	7	5	10	11	7	12	9	6	10	8	12	8	11	10	13	8
130109 other medical treatment service			5	0	4	7	3	12	14	3	5	5	8	5	5	8	3	6	7	7
1301 medical treatment service			42	45	46	45	43	63	50	49	59	43	72	48	57	49	57	57	57	62
130201 social welfare facility			35	53	52	53	68	82	83	103	105	114	124	120	120	139	153	159	173	220
1302 social welfare facility			35	53	52	53	68	82	83	103	105	114	124	120	120	139	153	159	173	220

160101 public office	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
1601 public office	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
16 public office	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
170101 dispatch service	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1701 dispatch service	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170201 security service	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0
170202 information processing service	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170209 others	0	1	1	2	4	3	1	1	1	0	0	1	0	2	1	0	2	0	1	2	0	2	2
1702 others	0	1	1	2	5	3	2	1	1	0	0	1	0	2	1	0	3	0	1	3	1	2	2
17 others	0	1	1	2	5	3	2	1	1	0	0	1	0	2	1	0	3	0	1	3	1	2	2
total	40	39	43	36	43	42	32	39	40	27	30	44	27	27	35	27	26	20	33	29	23	17	17

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

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