

code no.719 other environments as Causal (S) agents

Fatal & non-fatal accidents caused by other environments as Causal (S) agents in 1999-2021

Industry	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total
010101 meat/dairy products			22		6		15	13	12	10	20	12	20	22	21	17	16	19	12	17	12	13	20	299
010102 fishery products			28		22		23	25	14	14	10	13	15	28	26	33	23	26	28	17	22	24	16	407
010103 agricultural food products			7		4		9	6	5	3	5	3	3	15	3	5	7	7	12	11	5	3	7	120
010104 bread/cake products			7		7		5	13	10	7	9	8	12	13	12	11	8	6	12	9	2	3	17	171
010105 alcoholic drinks			3		2			2		3		2	1		1	1	5	1	1	2		1	1	26
010106 soft drinks			2					1		1		2	2	1	2	1	1	2	2	4		1	1	23
010109 other foods			30		34		40	30	28	41	23	33	38	50	54	52	32	49	60	57	32	39	40	762
0101 food products			99		75		92	90	69	79	67	73	91	129	119	120	92	110	127	117	73	84	102	1,808
010201 silk-reeling																								
010202 cotton-spinning													1	1		2								4
010203 weaving							1	1	1			1	1						1	1			1	8
010204 dyeing			1		1					1			2	1						1				7
010209 other textile products			1				2	3		2	1	2	2		1	2			1	1	3	2		23
0102 textile products			2		1		3	4	1	3	1	3	6	2	1	4			2	3	3	2	1	42
010301 over/under wear			7		3		2	3	1	4	1	1	1	3	10	4				4			2	46
010309 other fiber products			5		1		4	2	3	5	1	1	2	1	4	2	2	2	1	1		3	2	42
0103 fiber products			12		4		6	5	4	9	2	2	3	4	14	6	2	2	1	5		3	4	88
010401 lumbering			10		10		4	3	4	3	2	4	4	3	5	4	3	2	8	5	2	2	3	81

products			5						2			2	1		1	1			1	1		2	1	17
011002 casting products			2				3	2	1		2	2	5	1	1	1	2	2	1	1				26
011009 other steel products															2		1				1	1	1	6
0110 steel making			7				3	2	3		2	4	6	1	2	4	2	3	2	2	1	3	2	49
011101 nonferrous metals/rolling products			1							1	1					1		1	1					6
011102 nonferrous metals casting products							1	1					1	2			1							6
011109 other nonferrous metal products			1		2		1	1	1	2					2	1	2		1	1	2	1	1	20
0111 nonferrous metal making			2		2		2	2	1	3	1	1	1	2	2	2	2	2	2	1	2	1	1	32
011201 western tableware/cutting tool products																			1	2				3
011202 screw products										1			1		1	1			1			1		6
011203 metal press products													1	2	2	2	2	2	2	5	1	3	2	26
011204 metal plating products										1		1	2	2	2	3	1		1		2		1	16
011209 other metal products			19		12		15	12	15	10	8	5	18	11	13	15	7	24	19	26	7	16	14	266
0112 metal products			19		13		15	13	15	12	8	6	22	15	18	21	10	26	24	33	10	20	17	317
011301 machine products			7		12		13	8	2	9	7	8	12	18	9	15	7	12	6	15	5	7	13	185
011302 measuring													1	1		2	1	1	2					8

instruments																								
011303 optical instruments			2				1	2	1	1	2		2	3	1	2		1	2	2	3	1	1	27
011304 watch products																2	1							3
011305 other precision machine products								1	1	1			1	3	2	2	4	3	1	2	4			25
0113 machine products			9		12		14	11	4	11	9	8	16	25	12	23	13	17	11	19	12	8	14	248
011401 heavy electrical equipment					2							1	2		1	1	1	1		1	1			11
011402 electrical appliance			1				6	6	2	1		2	3		1	1	1	5	3	4	2	3	3	44
011403 electronics equipment and telecommunications apparatus			7		4		8	5	3	10	4	4	11	11	10	10	7	6	5	18	6	9	13	151
011409 other electrical equipment			9		5		4	7	3	3	2	1	4	12	8	13	4	7	6	10	3	4	4	109
0114 electrical equipment products			17		11		18	18	8	14	6	8	20	23	20	25	13	19	14	33	12	16	20	315
011501 ship building			2		3		2	1	1	1	1	2	3		4	1	1	3		3	3	5	2	38
011502 auto mobile products			3		7		9	3	4	3	2	9	8	13	8	10	8	6	8	28	3	2	4	138
011503 railway vehicle products									1				1	1		1				2				6
011509 other transport equipment products			1				2	1		1	1		3		1	4	2	3	3	1	1	3		27
0115 transport equipment			6		10		13	5	6	5	4	11	15	14	13	16	11	12	11	34	7	10	6	209

020302 petroleum mining																								
020309 other mining				1				1					1						1					4
0203 other mining				1				1					1						1					4
02 mining			8		2		4	3	2	2	2	3	8	5	4	9	3	2	3	4	2	3	3	72
030101 hydroelectric plant construction work							1	1	1		2	1					1			1	1		9	
030102 tunnel construction work					1		1	22	1				2						1	2	2			32
030103 subway construction work														1		1								2
030104 railway construction work			1						1	1		1		3		2	1	4	1		2	3	2	22
030105 bridge construction work			1		1				2	1			4	5	1		1	1	1	3		3	1	25
030106 road construction work			16		16		12	5	6	10	4	4	9	14	20	17	15	5	14	8	14	15	12	216
030107 river civil engineering work			11		3		5	3	1	4	2	3	2	5	4	2	4	7	6	6	5	2	5	80
030108 sand collapse prevention civil engineering work			4		2		3	1	3			1	1	1	3	2	2		4	2	1		1	31
030109 land consolidation civil engineering work			9		3		4	7	3	2	3	5	3	5	7	13	4	2	5	7	2	3	5	92
030110 water supply/sewage			10		3		2	7	6	5	2	6	5	2	3	3	1		2	4	1	1	2	65

construction work																								
030111 port/seaside construction work			2		1		2	3	1	1	3	1	1		2	3	1	1	1	3	1	1		28
030199 other civil engineering work			64		37		48	45	24	28	31	43	49	55	51	49	52	33	48	44	32	44	47	824
0301 civil engineering work			118		67		78	94	49	52	47	65	76	91	91	92	81	54	83	79	61	73	75	1,426
030201 steel frame/reinforced concrete house construction work			26		10		19	21	15	14	8	8	18	16	23	24	22	12	15	12	13	16	17	309
030202 wooden house construction work			25		22		19	29	11	17	7	16	16	25	22	37	14	21	25	21	13	15	23	378
030203 building facility construction work			12		9		6	13	2	10	3	8	6	8	11	10	9	4	11	9	2	4	3	140
030209 other building construction work			20		12		36	40	20	24	20	21	26	38	30	23	28	27	24	35	24	30	30	508
0302 construction work			83		53		80	103	48	65	38	53	66	87	86	94	73	64	75	77	52	65	73	1,335
030301 electricity/telecommunication work			9		9		9	6	7	8	1	3	5	9	16	12	14	15	13	14	15	9	11	185
030302 machinery/apparatus setting work			3		5		5	2	2	3	3		14	4	1	6	3		5	5	5	5	4	75
030309 other construction works			15		11		16	12	6	15	12	10	15	18	23	20	15	25	19	27	26	14	27	326
0303 other construction			27		25		30	20	15	26	16	13	34	31	40	38	32	40	37	46	46	28	42	586

works																									
03 construction			228		145		188	217	112	143	101	131	176	209	217	224	186	158	195	202	159	166	190	3,347	
040101 railroad service			14		20		10	19	12	7	12	10	16	22	15	22	18	20	19	22	12	15	19	304	
040102 water transportation service			1				2	1				1						1	1	3	2		1	13	
040103 airline service			6		7		6	1	15	11	2		2	2		3		6	4		8	2		75	
0401 railroad/water transportation/airline service			21		27		18	21	27	18	14	11	18	24	15	25	18	27	24	25	22	17	20	392	
040201 taxi service			54		53		68	51	48	61	59	67	69	87	97	122	69	75	66	89	62	51	63	1,311	
040202 bus service			18		19		23	28	22	23	22	32	42	34	38	49	25	39	41	65	32	30	31	613	
040209 other passenger transport service			4		1		2		2	3	2	2	2		4	2	3	4	3	1		2	4	41	
0402 road passenger transport service			76		73		93	79	72	87	83	101	113	121	139	173	97	118	110	155	94	83	98	1,965	
040301 general truck transportation service			157		107		143	162	108	136	114	143	168	185	205	245	144	206	207	287	168	171	260	3,316	
040302 specific truck transportation service			6		5		9	13	4	5	2	6	3	4	5	9	2	11	9	6	2	4	4	109	
040303 cargo/ light automobile transportation service			1				1		1			2	4			1	1	3	2		4	1		21	
040309 other land cargo transportation service			9		3		5	2	2	3	3	7	4	4	3	8	4	2	4	1	1	5	4	74	
0403 road cargo			173		115		158	177	115	144	119	158	179	193	213	263	151	222	222	294	175	181	268	3,520	

transportation service																								
040409 other transportation service			1	1	2	4			2	3	5	3	1	1	2		4	5			2	36		
0404 other transportation service			1	1	2	4			2	3	5	3	1	1	2		4	5			2	36		
04 transportation service			271	216	271	281	214	249	218	273	315	341	368	462	268	367	360	479	291	281	388	5,913		
050101 land cargo handling service			9	3	3	6	2	7	3	7	9	7	8	12	7	3	8	19	8	8	11	140		
0501 land cargo handling service			9	3	3	6	2	7	3	7	9	7	8	12	7	3	8	19	8	8	11	140		
050201 general harbor transportation service				1			1					2	1	1	1		1	1		1	1	11		
050202 port cargo handling service			3	3	5	1	2	3	1	1	4	3	2	2	1	3	3	2	3	2	3	47		
050209 other harbor transportation service								1			1										2	4		
0502 port cargo transportation service			3	4	5	1	3	4	1	1	5	5	3	3	2	3	4	3	3	3	6	62		
05 cargo handling service			12	7	8	7	5	11	4	8	14	12	11	15	9	6	12	22	11	11	17	202		
060101 agriculture			21	30	31	25	32	15	21	34	28	33	45	47	43	38	36	58	54	57	62	710		
0601 agriculture			21	30	31	25	32	15	21	34	28	33	45	47	43	38	36	58	54	57	62	710		
060201 lumbering			30	39	25	28	20	29	25	39	19	30	21	24	15	23	23	20	21	30	28	489		
060209 other forestry			38	43	29	18	24	28	38	29	26	26	29	15	26	19	20	18	10	21	9	466		
0602 forestry			68	82	54	46	44	57	63	68	45	56	50	39	41	42	43	38	31	51	37	955		

06 agriculture			89		112		85	71	76	72	84	102	73	89	95	86	84	80	79	96	85	108	99	1,665
070101 livestock			630		481		532	380	407	549	499	500	480	521	482	455	466	505	511	488	517	600	573	9,576
0701 livestock			630		481		532	380	407	549	499	500	480	521	482	455	466	505	511	488	517	600	573	9,576
070201 fishery			19		22		16	19	18	19	17	20	20	16	20	16	16	15	14	21	12	9	24	333
070209 other fishery			3		4		1	5	5	8	6	1	3	4	2	5	1	4	2	4	4	5	6	73
0702 fishery			22		26		17	24	23	27	23	21	23	20	22	21	17	19	16	25	16	14	30	406
07 livestock/fishery			652		507		549	404	430	576	522	521	503	541	504	476	483	524	527	513	533	614	603	9,982
080101 all kinds of wholesale			8		2		7	5	1	2	1	2	4	2	6	4	1	2	1	4	4	1	1	58
080102 furniture/fittings wholesale			2				1	1							1	1	1	1	1	1	1	1	1	13
080109 other wholesale			46		36		30	45	21	27	39	28	44	42	54	59	26	46	57	73	42	38	58	811
0801 wholesale			56		38		38	51	22	29	40	30	48	44	61	64	28	49	59	78	47	40	60	882
080201 all kinds of retail			53		51		52	52	28	32	34	40	47	56	49	47	36	39	27	39	23	16	27	748
080202 auto mobile retail			1		3		5	2	2	8	4	4	4	11	7	10	9	8	8	15	10	6	23	140
080203 furniture/fittings retail			1		4		2	1	2		1		2		4	1	2	1	4		2	1	1	29
080204 fuel retail			23		14		15	22	12	19	14	12	19	16	23	31	13	23	28	34	18	19	19	374
080205 newspaper retail			144		104		181	132	100	146	134	146	188	239	213	273	188	223	231	278	164	159	178	3,421
080209 other retails			115		74		106	99	82	103	93	103	144	173	163	206	157	204	213	236	156	204	264	2,895
0802 retail			337		250		361	308	226	308	280	305	404	495	459	568	405	498	511	602	373	405	512	7,607
080301 haircut							1		1	1				1			1	1	3	3	2		1	15
080302 beauty salon			3		1		1	2	3	1		1	3	2	5	5	4	1	2	4	2	4	3	47
0803 haircut/beauty salon			3		1		2	2	4	2		1	3	3	5	5	5	2	5	7	4	4	4	62

080401 warehousing			3		2		3	5	1	4	5	8	15	12	12	15	4	6	7	5	3	2	16	128
080409 other commerce			10		13		13	25	8	12	13	15	27	27	28	34	18	22	18	37	18	17	40	395
0804 other commerce			13		15		16	30	9	16	18	23	42	39	40	49	22	28	25	42	21	19	56	523
08 commerce			409		304		417	391	261	355	338	359	497	581	565	686	460	577	600	729	445	468	632	9,074
090101 banking/trust business			4		3		6	3	5	2	3	3	9	6	3	11	3	3	7	7	3	3	4	88
090102 stock/commodity trade business																							1	1
090103 insurance business			24		28		16	15	12	15	10	17	16	23	24	27	20	19	16	28	10	12	14	346
090109 other financial business			2		2		2	2							2	1		2	1				1	15
0901 financial business			30		33		24	20	17	17	13	20	25	29	29	39	23	24	24	35	13	15	20	450
090201 traveling service			1		1		1	1		2	1		2	1	2		2	3	2	3		1		23
090209 other advertisement and mediator					2		4	3	1		3	5	4	2	3	2	1	9	6	7	4	1	2	59
0902 advertisement and mediator			1		3		5	4	1	2	4	5	6	3	5	2	3	12	8	10	4	2	2	82
09 financial business/advertisement			31		36		29	24	18	19	17	25	31	32	34	41	26	36	32	45	17	17	22	532
100101 movie production and delivery service			2					2				2		2	2	1								11
100102 movie theatre															1									1
100109 other movie/play service					1		3	1	2				3			1		1		1	1	5	3	22

1001 movie/play service			2		1		3	3	2			2	3	2	3	2		1		1	1	5	3	34
10 movie/play service			2		1		3	3	2			2	3	2	3	2		1		1	1	5	3	34
110101 telecommunication service			3		12		123	108	83	103	84	74	92	97	104	129	67	91	93	99	68	66	97	1,593
1101 telecommunication service			3		12		123	108	83	103	84	74	92	97	104	129	67	91	93	99	68	66	97	1,593
11 telecommunication service			3		12		123	108	83	103	84	74	92	97	104	129	67	91	93	99	68	66	97	1,593
120101 auto mobile practical training					2		3	3	3	1	3	1		3	4	2		2	4	7		3	3	44
120102 software service							1		1		1	3	3		2	1			1	1	1	2	1	18
120109 other education/research service			19		25		44	32	32	34	31	36	34	38	55	52	46	51	55	54	54	54	64	810
1201 education/research service			19		27		48	35	36	35	35	40	37	41	61	55	46	53	60	62	55	59	68	872
12 education/research service			19		27		48	35	36	35	35	40	37	41	61	55	46	53	60	62	55	59	68	872
130101 hospital			102		88		89	87	110	80	69	102	96	92	96	119	103	106	104	109	86	126	119	1,883
130102 general clinic			3		6		5	11	6	5	6	10	12	14	11	21	8	7	12	14	12	8	15	186
130109 other medical treatment service			17		11		14	16	9	12	12	12	22	13	5	20	11	7	11	12	17	21	16	258
1301 medical treatment service			122		105		108	114	125	97	87	124	130	119	112	160	122	120	127	135	115	155	150	2,327
130201 social welfare facility			106		169		198	208	232	214	215	267	277	309	377	476	381	375	445	458	391	511	554	6,163
1302 social welfare facility			106		169		198	208	232	214	215	267	277	309	377	476	381	375	445	458	391	511	554	6,163
130301 bathhouse			3		4		3	3	1	1		3	6	3	2	1	3	5	7	8	6	1	5	65

130309 other health and hygiene service			4	8	7	10	6	8	6	10	7	8	5	15	10	12	9	11	8	3	5	152
1303 other health and hygiene service			7	12	10	13	7	9	6	13	13	11	7	16	13	17	16	19	14	4	10	217
13 health and hygiene service			235	286	316	335	364	320	308	404	420	439	496	652	516	512	588	612	520	670	714	8,707
140101 hotel			59	46	51	31	35	42	36	38	53	55	61	64	60	41	41	50	47	28	53	891
1401 hotel			59	46	51	31	35	42	36	38	53	55	61	64	60	41	41	50	47	28	53	891
140201 general restaurant			39	23	36	31	27	24	27	42	35	36	52	55	41	41	45	59	38	46	40	737
140209 other restaurants			9	1	9	9	5	2	7	4	7	8	8	13	4	8	6	7	7	3	5	122
1402 restaurant			48	24	45	40	32	26	34	46	42	44	60	68	45	49	51	66	45	49	45	859
140301 golf course			75	60	82	84	66	40	65	57	52	64	57	59	58	72	51	49	56	31	41	1,119
140302 park and amusement park			13	6	6	10	2	9	12	6	1	10	9	8	4	9	17	16	24	10	7	179
140309 other amusement service			110	111	79	97	75	81	80	81	82	88	91	89	83	94	93	109	112	105	102	1,762
1403 other amusement service			198	177	167	191	143	130	157	144	135	162	157	156	145	175	161	174	192	146	150	3,060
14 amusement service			305	247	263	262	210	198	227	228	230	261	278	288	250	265	253	290	284	223	248	4,810
150101 building maintenance service			66	52	68	60	48	62	69	51	70	72	108	147	100	80	100	113	76	86	107	1,535
150102 industrial waste management service			8	8	16	11	3	4	7	10	13	21	23	14	11	18	21	32	26	22	27	295
150103 other waste disposal service			19	11	14	17	8	19	13	17	29	20	17	20	18	20	25	19	20	23	23	352

010509 other furniture																						
0105 furniture																						
010601 pulp/paper																						
010602 paper processing products																						
010609 other pulp/paper processing products																						
0106 pulp/paper processing products																						
010701 printing service																						
010702 bookbinding																						
010709 other printing and bookbinding																						
0107 printing/bookbinding																						
010801 non organic or organic chemical products																						
010802 chemical fiber																						
010803 pharmaceuticals																			1			1
010804 petroleum/coal products													2									2
010805 plastics products																						
010806 rubber products																						
010807 leather products																						
010808 painting products																						
010809 chemical fertilizer products																						
010899 other chemical products																						
0108 chemical products													2						1			3

0112 metal products	1			1	1		1														4	
011301 machine products																						
011302 measuring instruments																						
011303 optical instruments																						
011304 watch products																						
011305 other precision machine products																						
0113 machine products																						
011401 heavy electrical equipment																						
011402 electrical appliance																						
011403 electronics equipment and telecommunications apparatus																						
011409 other electrical equipment								1										1				2
0114 electrical equipment products								1										1				2
011501 ship building																						
011502 auto mobile products												1								1		2
011503 railway vehicle products																						
011509 other transport equipment products																						
0115 transport equipment products												1								1		2
011601 electric utility service		1																				1
011602 city gas service																						
011603 city water service														1		1						2

service																								
0403 road cargo transportation service	1	2			1		1	2			1	1		1							1	11		
040409 other transportation service																								
0404 other transportation service																								
04 transportation service	1	2			1		1	2		1		2	2	1	1			1		1		1	17	
050101 land cargo handling service																								
0501 land cargo handling service																								
050201 general harbor transportation service																								
050202 port cargo handling service					1							1											2	
050209 other harbor transportation service																								
0502 port cargo transportation service					1							1											2	
05 cargo handling service					1							1											2	
060101 agriculture							1			1		2			1					2	1	8		
0601 agriculture							1			1		2			1					2	1	8		
060201 lumbering				1			1	2	1		1				1					1		1	9	
060209 other forestry			1	1	3	2					2				2		1						12	
0602 forestry			1	2	3	2	1	2	1		3				3		1			1		1	21	
06 agriculture			1	2	3	2	2	2	1	1	3	2			4		1			1	2	2	29	
070101 livestock	3	3	1	4	1		1	3	1	1	1	2	1		1	3	1	1	2		1	1	3	35
0701 livestock	3	3	1	4	1		1	3	1	1	1	2	1		1	3	1	1	2		1	1	3	35
070201 fishery					1											2							3	

130102 general clinic																									
130109 other medical treatment service																									
1301 medical treatment service																									
130201 social welfare facility											1							1						2	
1302 social welfare facility											1							1						2	
130301 bathhouse																									
130309 other health and hygiene service																									
1303 other health and hygiene service																									
13 health and hygiene service											1							1						2	
140101 hotel		1								4						2	1							8	
1401 hotel		1								4						2	1							8	
140201 general restaurant																									
140209 other restaurants																									
1402 restaurant																									
140301 golf course														1				1						2	
140302 park and amusement park													1					1						2	
140309 other amusement service	2				1	2		1			4	1	2	1			1						1	16	
1403 other amusement service	2				1	2		1			4	1	3	2			1	1	1				1	20	
14 amusement service	2	1			1	2		1		4	4	1	3	2		2	2	1	1				1	28	
150101 building maintenance service				1									1			1	1		1			2		7	
150102 industrial waste management service																									
150103 other waste disposal service																			1					1	

150104 cremation service																								
150105 livestock process service																								
150109 other cleaning and livestock process service																								
1501 commercial cleaning				1									1			1	1		2		2		8	
15 commercial cleaning				1									1			1	1		2		2		8	
160101 public office																								
1601 public office																								
16 public office																								
170101 dispatch service																								
1701 dispatch service																								
170201 security service					1	1			2														4	
170202 information processing service													1										1	
170209 others		1				1					3		1		2		1		1		2		12	
1702 others		1			1	2			2		3		2		2		1		1		2		17	
17 others		1			1	2			2		3		2		2		1		1		2		17	
total	12	16	2	11	15	14	14	30	4	10	10	14	21	7	16	9	10	9	7	13	6	9	13	272

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

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