

## code no.715 high/cold temperature environment as Causal (S) agents

## Fatal &amp; non-fatal accidents caused by high/cold temperature environment 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			3		4		5	5	4	4	5	8	4	4	6	7	6	4	9	12	5	11
010102 fishery products			9		6		3	6	2	2	3	9	3	3	3	8	4	5	6	7	13	9
010103 agricultural food products			7		1		2	4	1	6	3	3	2	2	4	4	4	1	5	6	8	6
010104 bread/cake products			4		2		3	6	8	9	8	6	5	8	12	7	10	7	7	14	9	16
010105 alcoholic drinks			1		0		0	0	0	1	0	0	1	0	1	1	1	0	1	4	2	0
010106 soft drinks			1		0		1	2	2	1	0	2	0	1	3	1	1	2	0	2	2	1
010109 other foods			30		34		28	20	29	29	15	24	27	40	32	45	36	43	30	48	38	39
0101 food products			55		47		42	43	46	52	34	52	42	58	61	73	62	62	58	93	77	82
010201 silk-reeling			1		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
010202 cotton-spinning			1		0		0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0
010203 weaving			0		0		0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
010204 dyeing			1		2		0	1	0	2	0	2	1	0	0	4	0	0	1	1	1	1
010209 other textile products			0		0		1	0	1	0	0	0	0	0	0	0	1	1	0	1	0	0
0102 textile products			3		2		1	1	1	2	0	2	1	0	1	4	1	1	1	3	3	1
010301 over/under wear			1		0		1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0









equipment and telecommunications apparatus			2		2		1	5	3	1	1	0	1	2	4	0	2	1	3	3	1	2
011409 other electrical equipment			2		1		2	5	1	3	0	1	3	6	2	1	1	1	2	7	6	5
0114 electrical equipment products			6		3		3	11	4	7	2	3	6	9	9	2	3	3	5	11	8	8
011501 ship building			2		3		3	6	1	4	4	4	3	3	3	1	3	5	5	3	5	11
011502 auto mobile products			7		2		6	5	5	4	0	18	3	15	9	7	3	12	14	25	11	21
011503 railway vehicle products			0		0		0	0	0	0	0	1	0	0	0	0	0	0	1	2	1	3
011509 other transport equipment products			1		1		0	1	2	0	0	2	1	3	1	2	1	0	2	3	2	3
0115 transport equipment products			10		6		9	12	8	8	4	25	7	21	13	10	7	17	22	33	19	38
011601 electric utility service			0		0		0	0	0	0	0	1	1	0	1	1	1	2	1	1	1	3
011602 city gas service			0		0		0	1	0	1	1	0	0	0	0	1	0	1	1	0	1	0
011603 city water service			1		0		0	0	1	0	0	1	0	0	0	0	0	1	0	1	0	0
011609 other electric/gas/water service			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0116 electric/gas/water			1		0		0	1	1	1	1	2	1	0	1	2	1	4	2	2	2	3

service																						
011701 auto mobile servicing			5		0		1	0	1	1	2	1	2	2	0	0	3	2	2	4	7	5
011702 machine repair			1		0		1	1	2	0	2	5	0	0	1	4	0	2	1	4	2	3
011703 cleaning			3		2		0	3	4	4	2	8	2	1	5	7	7	3	4	11	12	9
011704 tobacco products			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
011709 other manufacturing			5		3		1	1	4	0	1	5	0	5	5	6	5	5	3	17	11	5
0117 other manufacturing			14		5		3	5	11	5	7	19	4	8	11	17	15	12	10	36	32	22
01 manufacturing			142		90		94	128	110	122	77	214	142	160	173	180	141	163	174	319	249	267
020101 general coal mining			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
020109 other coal mining			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0201 coal mining			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
020201 quarrying			1		2		1	0	0	0	0	1	1	0	1	0	0	0	0	1	0	2
020202 gravel digging			1		1		0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
020209 other quarrying			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0202 quarrying			2		3		1	0	0	0	0	1	1	0	1	0	1	0	0	1	0	3
020301 metal mining			1		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
020302 petroleum mining			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
020309 other mining			0		0		0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
0203 other mining			1		0		0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
02 mining			3		3		1	0	0	0	0	1	1	0	1	0	2	0	0	1	0	3



construction work			1	0	1	0	2	0	0	0	1	0	3	0	0	0	0	2	0	1
030199 other civil engineering work			23	12	15	18	13	15	1	31	21	26	32	19	15	18	25	37	27	35
0301 civil engineering work			54	26	31	40	37	38	9	70	38	54	69	42	37	37	44	78	57	76
030201 steel frame/reinforced concrete house construction work			30	23	22	30	33	28	13	36	32	32	36	46	31	25	33	50	23	46
030202 wooden house construction work			12	11	7	20	6	7	7	29	18	26	16	18	17	18	11	25	20	28
030203 building facility construction work			9	5	2	2	4	1	1	3	5	4	12	6	3	2	5	13	8	6
030209 other building construction work			15	12	8	17	16	15	5	24	29	23	27	20	12	23	23	38	34	33
0302 construction work			66	51	39	69	59	51	26	92	84	85	91	90	63	68	72	126	85	113
030301 electricity/telecommunication work			3	1	2	2	6	5	1	13	8	2	5	6	6	5	4	16	7	9
030302 machinery/apparatus setting work			4	3	1	5	6	2	6	3	4	4	4	6	3	5	4	13	5	8
030309 other construction works			8	7	7	5	16	5	3	18	8	12	14	19	14	11	13	20	18	21

0303 other construction works			15		11		10	12	28	12	10	34	20	18	23	31	23	21	21	49	30	38
03 construction			135		88		80	121	124	101	45	196	142	157	183	163	123	126	137	253	172	227
040101 railroad service			1		0		0	1	2	0	0	1	0	1	2	1	1	2	3	6	2	5
040102 water transportation service			1		0		0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1
040103 airline service			0		0		0	0	0	0	0	0	1	0	0	0	2	1	3	0	2	0
0401 railroad/water transportation/airline service			2		0		0	2	2	0	0	1	1	1	2	1	3	3	6	7	4	6
040201 taxi service			10		1		2	0	3	3	0	1	2	1	2	3	0	1	3	4	2	1
040202 bus service			3		3		1	2	1	3	0	4	4	3	5	3	3	5	2	4	7	6
040209 other passenger transport service			1		0		0	0	1	0	0	1	0	2	0	0	0	0	0	1	0	0
0402 road passenger transport service			14		4		3	2	5	6	0	6	6	6	7	6	3	6	5	9	9	7
040301 general truck transportation service			42		29		30	36	27	45	20	79	53	47	69	59	70	47	79	170	100	128
040302 specific truck transportation service			4		1		0	2	0	1	3	0	4	2	1	2	1	1	2	5	4	2
040303 cargo/ light automobile transportation			0		0		0	0	0	0	0	1	0	0	0	1	1	1	1	1	0	1

service																						
040309 other land cargo transportation service			1	0	0	0	0	1	2	1	5	1	1	3	2	1	2	2	2	2	2	4
0403 road cargo transportation service			47	30	30	38	28	48	24	85	58	50	73	64	73	51	84	178	106	135		
040409 other transportation service			0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	0	0	
0404 other transportation service			0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	0	0	
04 transportation service			63	35	33	42	35	54	24	92	65	57	82	71	79	61	97	195	119	148		
050101 land cargo handling service			2	3	0	4	3	7	1	6	3	8	9	11	5	18	14	20	21	21		
0501 land cargo handling service			2	3	0	4	3	7	1	6	3	8	9	11	5	18	14	20	21	21		
050201 general harbor transportation service			1	1	1	0	0	0	0	2	1	0	0	1	0	2	1	0	0	0		
050202 port cargo handling service			0	1	0	0	1	2	0	4	2	3	0	2	2	4	2	2	2	2		
050209 other harbor transportation service			0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	3	0	0		
0502 port cargo			1	2	1	0	1	2	0	6	3	3	0	3	2	8	4	5	2	2		



080202 auto mobile retail			1		0		1	1	0	1	0	2	2	3	0	0	1	4	2	3	3	4
080203 furniture/fittings retail			0		1		0	0	1	0	0	1	0	1	0	2	0	0	0	0	1	2
080204 fuel retail			4		3		2	3	2	3	2	3	3	4	4	2	3	0	1	6	4	4
080205 newspaper retail			28		10		6	13	4	13	4	7	13	9	12	10	6	2	6	13	10	5
080209 other retails			28		6		9	17	16	24	18	28	40	40	49	39	27	38	33	76	65	62
0802 retail			94		33		28	44	35	53	35	52	68	67	73	57	44	51	46	116	91	80
080301 haircut			0		0		0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
080302 beauty salon			0		0		0	1	0	1	1	1	1	2	0	0	0	0	0	1	0	0
0803 haircut/beauty salon			0		0		0	1	0	1	1	1	1	2	1	0	0	0	0	1	0	0
080401 warehousing			3		0		4	4	3	2	0	6	2	2	7	5	6	5	5	7	14	5
080409 other commerce			3		4		1	3	6	1	2	6	7	4	3	7	11	5	6	15	12	13
0804 other commerce			6		4		5	7	9	3	2	12	9	6	10	12	17	10	11	22	26	18
08 commerce			112		41		38	58	51	63	43	72	86	87	96	79	70	73	71	168	142	114
090101 banking/trust business			0		0		0	0	0	0	0	1	0	1	2	0	0	0	0	2	0	1
090102 stock/commodity trade business			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
090103 insurance business			4		1		1	0	0	1	0	1	3	0	2	1	1	0	2	5	0	0
090109 other financial business			0		1		1	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0







150105 livestock process service			0	0	0	1	0	0	0	0	0	1	0	1	0	0	0	1	1	1	0
150109 other cleaning and livestock process service			6	5	3	1	2	2	3	10	4	6	5	1	4	6	5	18	12	13	
1501 commercial cleaning			32	11	16	17	16	17	17	44	36	30	36	25	25	43	35	94	66	65	
15 commercial cleaning			32	11	16	17	16	17	17	44	36	30	36	25	25	43	35	94	66	65	
160101 public office			0	2	0	1	0	0	0	0	1	0	1	0	0	0	2	1	0	1	
1601 public office			0	2	0	1	0	0	0	0	1	0	1	0	0	0	2	1	0	1	
16 public office			0	2	0	1	0	0	0	0	1	0	1	0	0	0	2	1	0	1	
170101 dispatch service			1	1	0	1	0	0	1	1	4	2	1	1	0	0	0	3	1	4	
1701 dispatch service			1	1	0	1	0	0	1	1	4	2	1	1	0	0	0	3	1	4	
170201 security service			15	9	16	20	15	17	7	49	19	29	63	26	43	33	42	117	79	89	
170202 information processing service			1	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	1	
170209 others			14	12	17	18	14	11	9	16	17	16	22	25	23	18	16	44	38	46	
1702 others			30	21	33	38	29	28	16	65	36	46	85	51	66	52	58	162	117	136	
17 others			31	22	33	39	29	28	17	66	40	48	86	52	66	52	58	165	118	140	
total			652	391	382	516	480	485	300	834	662	709	819	748	656	666	733	1,483	1,087	1,194	

Fatal accidents caused by high/cold temperature environment 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
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products																							
011501 ship building	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	1	0	
011502 auto mobile products	0	0	0	0	1	0	0	0	0	2	0	2	0	1	1	0	0	0	0	2	0	1	
011503 railway vehicle products	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
011509 other transport equipment products	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	
0115 transport equipment products	0	0	0	0	1	0	0	0	0	3	0	2	0	2	3	0	0	0	0	2	1	1	
011601 electric utility service	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	
011602 city gas service	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
011603 city water service	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
011609 other electric/gas/water service	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0116 electric/gas/water service	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	
011701 auto mobile servicing	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	
011702 machine repair	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
011703 cleaning	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	
011704 tobacco products	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
011709 other manufacturing	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	1	



030104 railway construction work	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
030105 bridge construction work	0	0	0	3	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
030106 road construction work	1	1	4	0	0	1	0	0	0	1	0	1	0	3	0	1	0	1	0	0	1	1
030107 river civil engineering work	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
030108 sand collapse prevention civil engineering work	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
030109 land consolidation civil engineering work	2	1	0	0	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	1	0
030110 water supply/sewage construction work	0	1	1	0	0	0	0	1	1	0	0	2	0	0	0	0	0	0	0	0	0	0
030111 port/seaside construction work	0	0	0	1	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
030199 other civil engineering work	2	3	1	5	3	0	2	2	1	2	0	3	1	1	2	0	3	1	3	0	0	1
0301 civil engineering work	5	7	7	9	3	2	4	4	2	5	0	6	1	4	3	1	3	2	3	0	2	2
030201 steel frame/reinforced concrete house construction	4	4	3	2	3	3	6	3	5	0	2	4	1	2	0	1	2	2	3	1	0	1





0404 other transportation service	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04 transportation service	0	0	0	0	0	0	2	0	0	0	1	2	1	0	1	0	2	0	0	3	2	1	
050101 land cargo handling service	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	2	0	0	
0501 land cargo handling service	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	2	0	0	
050201 general harbor transportation service	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
050202 port cargo handling service	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	
050209 other harbor transportation service	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0502 port cargo transportation service	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	
05 cargo handling service	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	2	0	0	0	2	0	0	
060101 agriculture	1	0	0	0	0	0	0	0	0	0	0	6	2	0	1	1	1	1	2	1	0	1	
0601 agriculture	1	0	0	0	0	0	0	0	0	0	0	6	2	0	1	1	1	1	2	1	0	1	
060201 lumbering	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	1	0	0	0	0	
060209 other forestry	2	0	2	0	1	0	0	0	0	0	0	1	2	1	1	0	0	0	0	0	0	0	
0602 forestry	2	0	2	0	1	0	0	1	0	0	0	1	2	2	1	0	0	1	0	0	0	0	









140309 other amusement service	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
1403 other amusement service	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	2	0
14 amusement service	0	0	0	0	0	0	0	0	2	0	0	1	0	1	0	0	1	0	0	0	2	0	
150101 building maintenance service	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1
150102 industrial waste management service	0	0	0	1	0	0	1	0	0	0	0	1	0	0	1	0	1	0	0	0	0	0	3
150103 other waste disposal service	0	0	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1	0	0	0	0
150104 cremation service	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150105 livestock process service	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150109 other cleaning and livestock process service	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1501 commercial cleaning	0	0	1	2	0	0	1	0	1	0	1	2	1	0	1	0	1	1	1	0	0	4	4
15 commercial cleaning	0	0	1	2	0	0	1	0	1	0	1	2	1	0	1	0	1	1	1	0	0	4	4
160101 public office	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
1601 public office	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
16 public office	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0

170101 dispatch service	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	1
1701 dispatch service	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	1
170201 security service	0	1	0	0	1	0	0	0	2	0	1	2	3	2	2	0	7	0	2	4	4	1	
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	
170209 others	0	0	0	0	0	0	1	1	1	2	0	2	0	0	0	1	0	1	0	1	1	0	
1702 others	0	1	0	0	1	0	1	1	3	2	1	4	3	2	2	1	7	1	2	5	5	1	
17 others	0	1	0	0	1	0	1	1	3	2	1	4	3	2	3	1	8	1	2	5	5	2	
total	21	17	27	23	17	14	24	17	18	17	9	49	21	19	32	12	30	12	15	30	25	24	

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

Return to <https://www.jisha.or.jp/english/statistics/2020eCSA.html>