

code no.414 opening as Causal (S) agents

Fatal & non-fatal accidents caused by opening 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		0		0	1	2	2	2	0	1	3	1	1	1	2	1	1	3	3
010102 fishery products			2		2		2	2	3	3	2	1	0	3	1	3	2	2	0	1	0	1
010103 agricultural food products			2		2		3	1	1	1	0	0	0	1	2	0	1	3	3	2	1	1
010104 bread/cake products			0		0		0	1	3	3	2	2	2	1	1	4	2	4	3	1	2	1
010105 alcoholic drinks			0		1		0	0	1	0	0	0	2	1	0	0	1	0	0	0	0	1
010106 soft drinks			1		0		2	0	0	0	0	0	0	3	1	0	0	0	1	0	0	0
010109 other foods			14		9		5	13	4	12	10	7	7	10	8	10	8	10	9	10	17	15
0101 food products			22		14		12	18	14	21	16	10	12	22	14	18	15	21	17	15	23	22
010201 silk-reeling			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
010202 cotton-spinning			0		0		0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
010203 weaving			2		1		0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0
010204 dyeing			0		0		0	0	0	0	0	2	0	0	1	0	0	0	0	1	0	0
010209 other textile products			2		0		1	2	0	1	0	1	0	0	0	2	0	2	1	0	1	0
0102 textile products			4		1		1	2	0	1	0	3	0	0	1	5	0	2	1	1	1	0
010301 over/under wear			1		0		0	0	0	0	1	1	0	0	0	0	0	0	1	0	0	0



010702 bookbinding			0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
010709 other printing and bookbinding			0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0
0107 printing/bookbinding			0	0	2	2	0	2	3	0	0	2	1	0	1	1	2	1	0	0	
010801 non organic or organic chemical products			0	1	1	1	3	2	0	1	1	1	0	1	1	0	0	0	0	1	2
010802 chemical fiber			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
010803 pharmaceuticals			1	0	1	1	1	0	0	0	1	1	0	2	0	0	0	0	0	0	0
010804 petroleum/coal products			0	0	0	1	0	1	0	1	1	2	1	0	0	1	1	0	0	0	1
010805 plastics products			0	0	3	2	4	5	1	4	2	1	1	3	1	5	1	1	4	3	
010806 rubber products			0	1	0	0	0	1	1	0	1	2	0	0	0	2	1	0	2	0	
010807 leather products			1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
010808 painting products			0	1	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0
010809 chemical fertilizer products			0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
010899 other chemical products			1	0	1	0	1	1	0	1	1	0	1	1	0	0	0	0	1	1	1
0108 chemical products			3	3	6	5	9	10	2	8	7	8	4	7	2	8	3	2	8	8	
010901 cement products			9	2	4	5	2	3	1	5	2	4	2	2	0	2	0	3	1	2	
010902 glass products			1	0	1	0	0	1	0	0	0	1	0	0	0	0	0	1	0	0	1

010903 pottery products			0	1		0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
010904 fire resisting products			0	0		0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
010905 other ceramic products			0	0		0	0	0	0	0	1	1	1	0	1	0	0	0	0	0	0	0
010909 other sand and stone products			1	3		0	2	0	0	1	1	0	2	1	1	1	1	1	1	2	5	
0109 sand and stone products			11	6		5	8	2	4	2	7	3	9	4	4	1	3	2	4	3	8	
011001 steel/iron/rolling products			3	2		2	1	4	3	2	2	5	4	1	1	3	2	1	3	1	1	
011002 casting products			1	0		3	2	1	4	0	0	1	2	0	0	1	4	0	0	1	2	
011009 other steel products			1	1		1	1	1	0	0	2	2	1	1	0	1	1	0	1	0	0	
0110 steel making			5	3		6	4	6	7	2	4	8	7	2	1	5	7	1	4	2	3	
011101 nonferrous metals/rolling products			1	0		1	3	1	0	2	0	0	0	1	0	0	1	1	0	0	0	
011102 nonferrous metals casting products			1	0		0	1	0	0	0	0	1	0	0	0	0	0	1	0	0	1	
011109 other nonferrous metal products			0	0		0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	
0111 nonferrous metal			2	0		1	4	2	0	2	0	1	1	1	0	0	1	2	0	0	1	

making																							
011201 western tableware/cutting tool products			0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
011202 screw products			0	0		1	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
011203 metal press products			0	1		0	1	0	1	0	0	3	0	0	0	0	1	0	1	1	1	2	
011204 metal plating products			0	1		0	1	0	1	1	0	0	0	0	1	1	0	1	0	0	0	0	
011209 other metal products			5	10		11	6	10	8	9	4	7	12	5	3	4	9	6	6	8	8		
0112 metal products			5	12		12	8	11	10	10	4	11	12	6	4	5	10	7	7	9	10		
011301 machine products			9	2		6	4	8	1	7	0	5	5	6	5	5	3	4	7	4	2		
011302 measuring instruments			0	0		0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
011303 optical instruments			0	0		0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0		
011304 watch products			0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
011305 other precision machine products			1	0		0	3	0	0	1	0	0	0	0	1	1	1	0	0	0	0		
0113 machine products			10	2		6	7	9	1	8	0	5	5	6	6	6	4	5	7	4	2		
011401 heavy electrical equipment			0	0		0	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	1	
011402 electrical appliance			0	1		0	0	0	0	2	0	1	0	1	1	0	1	0	1	1	0		

011403 electronics equipment and telecommunications apparatus			2	4		1	1	1	3	1	2	2	1	0	1	0	1	0	0	1	1
011409 other electrical equipment			3	2		0	2	3	3	0	0	1	2	1	1	0	0	1	2	0	3
0114 electrical equipment products			5	7		1	3	5	6	4	2	5	3	2	3	0	2	1	3	2	5
011501 ship building			10	13		9	9	4	10	8	9	7	11	6	5	6	3	5	7	3	10
011502 auto mobile products			2	6		3	5	7	1	1	5	3	4	1	4	4	2	2	7	2	5
011503 railway vehicle products			1	0		2	0	1	0	1	0	0	0	1	1	0	1	0	1	1	1
011509 other transport equipment products			1	2		0	0	0	1	0	1	0	0	0	0	1	0	0	0	1	0
0115 transport equipment products			14	21		14	14	12	12	10	15	10	15	8	10	11	6	7	15	7	16
011601 electric utility service			0	0		1	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0
011602 city gas service			1	2		1	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0
011603 city water service			1	0		2	0	1	2	2	0	0	1	1	1	1	2	3	0	2	2
011609 other electric/gas/water service			0	0		0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1



02 mining			3		2		0	4	3	1	1	1	2	0	0	1	1	0	1	0	1	0
030101 hydroelectric plant construction work			0		0		1	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0
030102 tunnel construction work			2		0		2	1	1	1	0	0	0	2	0	1	0	0	2	2	1	1
030103 subway construction work			1		0		0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0
030104 railway construction work			0		0		1	0	1	1	0	1	0	1	0	0	0	2	3	0	2	0
030105 bridge construction work			4		0		2	3	3	1	0	0	0	1	3	1	2	0	1	2	0	0
030106 road construction work			1		4		8	6	5	2	3	1	3	2	3	4	5	6	2	3	3	6
030107 river civil engineering work			5		0		0	0	2	0	0	0	1	0	1	1	0	1	2	3	0	2
030108 sand collapse prevention civil engineering work			0		0		0	0	0	0	1	0	0	1	0	0	1	0	0	0	1	0
030109 land consolidation civil engineering work			7		1		1	1	2	0	1	1	1	2	2	0	3	1	3	1	3	2
030110 water supply/sewage			9		14		9	10	10	9	8	5	2	6	7	5	4	8	4	8	6	3





030309 other construction works			14	12		10	16	15	18	9	9	12	10	13	11	12	14	8	20	19	13
0303 other construction works			32	34		25	33	33	25	25	18	24	18	26	29	31	29	19	40	33	27
03 construction			292	240		235	243	241	208	178	137	158	161	179	163	182	190	139	199	187	174
040101 railroad service			2	1		4	4	1	3	4	2	2	2	4	3	2	2	3	2	3	5
040102 water transportation service			1	0		0	0	0	0	1	0	1	0	0	1	0	0	0	0	0	0
040103 airline service			0	2		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0401 railroad/water transportation/airline service			3	3		4	4	1	3	5	2	3	2	4	4	2	2	3	2	3	5
040201 taxi service			0	4		4	0	2	1	2	1	0	1	1	0	1	3	1	1	1	0
040202 bus service			3	2		0	1	4	2	1	6	3	2	2	3	1	3	1	2	1	2
040209 other passenger transport service			0	0		0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
0402 road passenger transport service			3	6		4	1	6	3	4	7	3	3	3	3	2	6	2	3	2	2
040301 general truck transportation service			26	24		22	29	15	21	28	28	26	24	31	22	18	24	34	21	32	24
040302 specific truck transportation service			0	0		1	2	2	0	0	0	2	1	0	0	0	1	0	0	1	0

040303 cargo/ light automobile transportation service			0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0
040309 other land cargo transportation service			1	1	0	0	0	1	2	0	1	0	2	1	0	2	1	2	2	2	1
0403 road cargo transportation service			27	25	23	32	17	22	30	28	29	26	33	23	18	27	35	23	36	25	
040409 other transportation service			0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
0404 other transportation service			0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
04 transportation service			33	34	31	37	24	29	40	37	35	31	40	30	22	35	40	28	41	32	
050101 land cargo handling service			4	1	2	2	3	4	5	5	3	2	2	6	6	8	5	3	4	3	
0501 land cargo handling service			4	1	2	2	3	4	5	5	3	2	2	6	6	8	5	3	4	3	
050201 general harbor transportation service			0	0	1	0	1	0	1	2	1	1	0	0	0	0	0	3	1	0	
050202 port cargo handling service			2	5	3	0	1	5	5	3	2	3	2	2	2	2	1	7	2	4	
050209 other harbor			0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0

transportation service																						
0502 port cargo transportation service			2		5		4	0	2	5	6	5	3	4	2	3	2	2	1	10	4	4
05 cargo handling service			6		6		6	2	5	9	11	10	6	6	4	9	8	10	6	13	8	7
060101 agriculture			1		2		1	1	2	5	5	1	2	3	5	5	3	2	1	3	5	9
0601 agriculture			1		2		1	1	2	5	5	1	2	3	5	5	3	2	1	3	5	9
060201 lumbering			0		0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
060209 other forestry			0		1		0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0
0602 forestry			0		1		0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0
06 agriculture			1		3		1	1	2	5	5	1	2	4	5	5	3	3	1	4	5	9
070101 livestock			6		2		3	4	5	4	2	1	2	2	1	6	3	6	5	4	2	9
0701 livestock			6		2		3	4	5	4	2	1	2	2	1	6	3	6	5	4	2	9
070201 fishery			1		4		0	1	2	0	4	0	2	3	0	0	1	0	1	1	0	1
070209 other fishery			0		0		1	0	0	3	0	0	2	1	2	0	1	0	0	3	1	0
0702 fishery			1		4		1	1	2	3	4	0	4	4	2	0	2	0	1	4	1	1
07 livestock/fishery			7		6		4	5	7	7	6	1	6	6	3	6	5	6	6	8	3	10
080101 all kinds of wholesale			4		2		0	0	0	1	0	1	1	0	1	0	0	0	1	0	0	0
080102 furniture/fittings wholesale			0		1		2	0	0	1	0	0	2	0	1	0	0	0	0	0	1	1
080109 other wholesale			9		9		6	4	15	9	9	11	2	2	9	13	7	3	8	11	6	11







hygiene service																						
1303 other health and hygiene service			0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	2	
13 health and hygiene service			7	7	8	8	6	5	9	9	11	7	8	10	12	13	7	12	16	21		
140101 hotel			6	2	3	3	4	1	7	5	5	7	4	2	5	7	4	3	1	3		
1401 hotel			6	2	3	3	4	1	7	5	5	7	4	2	5	7	4	3	1	3		
140201 general restaurant			11	7	9	7	6	7	12	7	7	18	10	13	13	16	17	15	19	17		
140209 other restaurants			2	2	1	0	1	1	1	1	4	0	0	1	0	1	2	3	2	0		
1402 restaurant			13	9	10	7	7	8	13	8	11	18	10	14	13	17	19	18	21	17		
140301 golf course			1	1	1	3	1	0	2	0	1	0	2	1	3	1	1	2	3	1		
140302 park and amusement park			2	0	0	1	1	0	0	0	0	1	0	0	0	0	0	1	0	1		
140309 other amusement service			1	3	4	1	3	3	2	1	2	4	4	1	1	0	2	2	5	0		
1403 other amusement service			4	4	5	5	5	3	4	1	3	5	6	2	4	1	3	5	8	2		
14 amusement service			23	15	18	15	16	12	24	14	19	30	20	18	22	25	26	26	30	22		
150101 building maintenance service			18	18	9	20	13	9	14	19	9	5	18	5	7	13	16	21	13	16		
150102 industrial waste management service			8	2	5	5	4	8	5	2	5	7	5	7	3	3	2	7	9	8		



150103 other waste disposal service			5	2		4	5	3	5	6	5	3	2	4	3	2	4	8	1	3	8
150104 cremation service			0	0		1	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	1	1	0	0	2	0	0	0	0	0	0	0
150109 other cleaning and livestock process service			11	3		3	7	3	3	4	8	4	4	6	2	4	6	3	7	3	8
1501 commercial cleaning			42	25		22	37	23	25	30	35	21	18	35	17	16	26	29	36	28	40
15 commercial cleaning			42	25		22	37	23	25	30	35	21	18	35	17	16	26	29	36	28	40
160101 public office			0	0		0	0	0	0	0	1	0	1	0	0	0	0	1	2	0	0
1601 public office			0	0		0	0	0	0	0	1	0	1	0	0	0	0	1	2	0	0
16 public office			0	0		0	0	0	0	0	1	0	1	0	0	0	0	1	2	0	0
170101 dispatch service			0	1		0	0	0	0	1	0	0	0	0	1	0	0	0	0	1	1
1701 dispatch service			0	1		0	0	0	0	1	0	0	0	0	1	0	0	0	0	1	1
170201 security service			8	8		9	4	13	9	2	8	4	8	7	12	6	16	14	14	18	12
170202 information processing service			0	0		0	0	0	0	1	1	0	0	1	0	0	0	1	1	0	0
170209 others			5	8		17	18	13	12	10	16	10	16	13	16	17	22	19	17	19	17
1702 others			13	16		26	22	26	21	13	25	14	24	21	28	23	38	34	32	37	29
17 others			13	17		26	22	26	21	14	25	14	24	21	29	23	38	34	32	38	30

























transportation service																							
0502 port cargo transportation service	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
05 cargo handling service	0	1	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
060101 agriculture	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
0601 agriculture	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
060201 lumbering	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
060209 other forestry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0602 forestry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06 agriculture	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
070101 livestock	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0701 livestock	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
070201 fishery	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
070209 other fishery	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0702 fishery	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07 livestock/fishery	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
080101 all kinds of wholesale	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
080102 furniture/fittings wholesale	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
080109 other wholesale	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0









hygiene service																							
1303 other health and hygiene service	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 health and hygiene service	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
140101 hotel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1401 hotel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140201 general restaurant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140209 other restaurants	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1402 restaurant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140301 golf course	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
140302 park and amusement park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140309 other amusement service	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1403 other amusement service	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
14 amusement service	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
150101 building maintenance service	0	0	0	0	1	0	0	0	0	0	0	2	0	0	1	0	0	0	1	1	1	1	0
150102 industrial waste management service	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	2	0	0	0

150103 other waste disposal service	0	1	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	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	2	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0
1501 commercial cleaning	0	1	0	3	2	1	1	0	2	0	0	2	1	1	1	0	0	0	1	3	2	0	
15 commercial cleaning	0	1	0	3	2	1	1	0	2	0	0	2	1	1	1	0	0	0	1	3	2	0	
160101 public office	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	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	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	
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	
170201 security service	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	
170209 others	2	0	0	0	0	0	1	0	0	2	1	1	0	1	1	1	1	0	2	0	0	1	
1702 others	2	1	1	0	0	1	1	0	0	2	1	1	0	1	1	1	1	0	2	0	0	1	
17 others	2	1	1	0	0	1	1	0	0	2	1	1	0	1	1	1	1	0	2	0	0	1	

total	13	20	21	21	13	29	17	21	16	18	18	10	14	20	10	7	18	8	12	20	10	7
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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>