

code no.415 roof, beam, haze, crossbeam, principal rafter as Causal (S) agents

Fatal & non-fatal accidents caused by roof, beam, haze, crossbeam, principal rafter 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			1	2		4	2	2	4	2	4	1	1	2	2	1					2		30	
010102 fishery products			3	1	4		2	5		2	2	2	1	1	1	1	1	1	1		1	2	30	
010103 agricultural food products						2	3	2		1	2	2	1			3	1		3	1	1	1	23	
010104 bread/cake products			2	3	3	1	2	1	1	2	1	4	1	1	1		1	1	2		2	29		
010105 alcoholic drinks			2	2	5	4		1	1		3	2	2		1						1	24		
010106 soft drinks			1										1			2						4		
010109 other foods			3	7	7	9	4	5	4	4	3	9	4	6	1	3	1	5	1	2	4	82		
0101 food products			12	15	25	19	12	16	9	14	12	20	10	10	10	5	3	10	4	7	9	222		
010201 silk-reeling											1											1		
010202 cotton-spinning				2															1			3		
010203 weaving									1				1	2		1						5		
010204 dyeing			1		2				1	1			1		1		1				1	9		
010209 other textile products				5	2	1	1	1	1		1		1	1		2		1				17		
0102 textile products			1	7	4	1	1	2	2	2	1	1	4	1	2	2	1	2			1	35		
010301 over/under wear											1								1			2		
010309 other fiber products			2	1	1			1	1				1						1	3	1	1	13	
0103 fiber products			2	1	1			1	1	1			1						2	3	1	1	15	
010401 lumbering			10	9	5	5	5	4	6	1	6	6	3	7	1	2	5	1	7	3	2	88		

010402 plywood						2	1						3	1				1		2			10	
010409 other lumber and wood products			6		2		1	5	3	3	1	6	2	2	3	5	2		1		2		2	46
0104 wood products			16		11		8	11	8	7	7	7	8	11	7	12	3	2	7	1	11	3	4	144
010501 wood furniture			2		3		1	1	2				2		1		1		1		1		15	
010502 metal furniture							1					1											2	
010503 fittings			2				2	1						2		1	2			1			11	
010509 other furniture			3				1					1				2			1		1		9	
0105 furniture			7		3		4	3	2			2	2	2	1	3	3		2	1	2		37	
010601 pulp/paper			2							1	1							1	1	1	2	2	11	
010602 paper processing products			1		1		1	1	1		1			1	1		1	1	1			1	12	
010609 other pulp/paper processing products							1		1		1	1					1						5	
0106 pulp/paper processing products			3		1		2	1	2	1	3	1		1	1		2	2	2	1	2	3	28	
010701 printing service			2						1				1		1	1	1	1			1	1	10	
010702 bookbinding													1			1							2	
010709 other printing and bookbinding									1									1			1		3	
0107 printing/bookbinding			2						2				2		1	2	1	2			2	1	15	
010801 non organic or organic chemical products			1		1		2		3	1		1	2		1	1		2			3	1	1	20

0115 transport equipment products			6		5		4	8	1	2	2	9	3	3	2	3	1	4	3	3	2	2	2	65
011601 electric utility service					3									1			1		1	1				7
011602 city gas service					1			1			1											1	1	5
011603 city water service					1								1	1										4
011609 other electric/gas/water service																								
0116 electric/gas/water service					5			1			1		1	2			1		1	1	1	1	2	16
011701 auto mobile servicing			4		1		1	3	4	2	3	2	5	2	2	1	1	1	3	2	4		4	45
011702 machine repair			3		2		2	3			1				2	1		1	1	3		1	2	22
011703 cleaning			1		2		1		1	2		1	2				1	2	1			1	2	17
011704 tobacco products																								
011709 other manufacturing			4		3		4	3	3	5	5	5	7	6	4	2	4	4	6	3	4	2	2	76
0117 other manufacturing			12		8		8	9	8	9	9	8	14	8	8	4	5	7	12	9	8	4	10	160
01 manufacturing			117		102		98	97	66	83	65	72	83	77	59	61	50	61	55	73	52	48	57	1,376
020101 general coal mining												1												1
020109 other coal mining																								
0201 coal mining												1												1
020201 quarrying			2		1		2		1	1	2	1											1	11
020202 gravel digging			2				1	1					2	1						1				8
020209 other quarrying																1								1
0202 quarrying			4		1		3	1	1	1	2	1	2	1		1				1			1	20

020301 metal mining																								
020302 petroleum mining																								
020309 other mining																					1		1	
0203 other mining																					1		1	
02 mining			4		1		3	1	1	1	2	2	2	1		1				1		1	1	22
030101 hydroelectric plant construction work																1							1	
030102 tunnel construction work									1		1												2	
030103 subway construction work																								
030104 railway construction work										1					1	1							3	
030105 bridge construction work			2		1			2		2	1		1			2		2		1			1	15
030106 road construction work			3		5		2	2		1	3	3	6	1	2	2	1	5	1	3	3		5	48
030107 river civil engineering work			2				1		1	1												1	1	7
030108 sand collapse prevention civil engineering work								3		1		1				1	1							7
030109 land consolidation civil engineering work			2		3		3	3	1	4	3	2	3		2	1		2	1	2		1	2	35

030110 water supply/sewage construction work			2	5	2	2	1	1	1	1	4	1			2	3	2	1	1	2	31	
030111 port/seaside construction work					1	1	1	1		1					1				3	9		
030199 other civil engineering work			39	23	34	27	19	17	13	19	22	16	29	13	16	10	9	23	24	14	8	375
0301 civil engineering work			50	37	43	39	24	29	23	26	36	18	35	19	19	23	14	31	28	20	19	533
030201 steel frame/reinforced concrete house construction work			235	219	216	195	156	165	103	114	107	121	127	121	126	112	124	123	114	94	76	2,648
030202 wooden house construction work			1,040	840	807	652	531	485	411	398	425	476	400	375	322	369	346	317	263	235	231	8,923
030203 building facility construction work			67	56	46	42	33	29	34	50	38	35	38	32	37	31	24	25	24	27	25	693
030209 other building construction work			348	346	369	355	292	285	247	286	356	324	304	294	288	213	209	269	263	213	197	5,458
0302 construction work			1,690	1,461	1,438	1,244	1,012	964	795	848	926	956	869	822	773	725	703	734	664	569	529	17,722
030301 electricity/telecommunication work			17	28	15	21	27	23	19	24	25	20	21	27	8	6	13	12	11	13	6	336
030302 machinery/apparatus setting work			19	13	25	13	11	10	11	12	19	23	29	22	14	17	12	9	8	15	11	293
030309 other construction works			51	55	65	64	67	60	51	59	73	81	71	73	81	75	59	78	67	55	56	1,241

0403 road cargo transportation service			16		10		7	16	16	11	14	11	17	19	9	7	5	8	9	8	12	9	5	209
040409 other transportation service			1								1					1								3
0404 other transportation service			1								1					1								3
04 transportation service			18		12		11	21	17	11	16	12	23	21	11	10	7	11	12	10	16	13	6	258
050101 land cargo handling service			1		2			3	2	3	1	1		2		3	1						2	21
0501 land cargo handling service			1		2			3	2	3	1	1		2		3	1						2	21
050201 general harbor transportation service			1		1																			2
050202 port cargo handling service												2		1	1	1	1							6
050209 other harbor transportation service																								
0502 port cargo transportation service			1		1							2		1	1	1	1							8
05 cargo handling service			2		3			3	2	3	1	3		3	1	4	2						2	29
060101 agriculture			3		6		7	7	7	4	4	6	6	11	7	6	10	8	3	2	2	9	8	116
0601 agriculture			3		6		7	7	7	4	4	6	6	11	7	6	10	8	3	2	2	9	8	116
060201 lumbering			1				1	3		1	1	1			1		2	2	1					14
060209 other forestry			2		2								1	2		2					1		1	11

0602 forestry			3		2		1	3		1	1	1	1	2	1	2	2	2	1		1		1	25
06 agriculture			6		8		8	10	7	5	5	7	7	13	8	8	12	10	4	2	3	9	9	141
070101 livestock			4		6		11	6	8	5	10	5	4	7	8	9	8	6	6	11	5	9	7	135
0701 livestock			4		6		11	6	8	5	10	5	4	7	8	9	8	6	6	11	5	9	7	135
070201 fishery							2				1						1	1	1				1	7
070209 other fishery					2			2	2		1	1	1								1			10
0702 fishery					2		2	2	2		2	1	1				1	1	1		1		1	17
07 livestock/fishery			4		8		13	8	10	5	12	6	5	7	8	9	9	7	7	11	6	9	8	152
080101 all kinds of wholesale					1		1		2			1	1											6
080102 furniture/fitings wholesale			1				1		1	1				1			1		1			1	1	9
080109 other wholesale			18		8		13	7	6	3	4	10	7	9	10	10	2	5	7	7	6	7	6	145
0801 wholesale			19		9		15	7	9	4	4	11	8	10	10	10	3	5	8	7	6	8	7	160
080201 all kinds of retail			6		4		4	3	2	1	3	1	1	2			1	1	2	1	2		1	35
080202 auto mobile retail			1				1				1		1	1	2			1	1	1			4	14
080203 furniture/fitings retail			3		6		2	1	1	3			2			1	1	1		1				22
080204 fuel retail			2		4		3	2	2	3		3	5	3	3	3		4	3	4	3	1	1	49
080205 newspaper retail			3						1	1			1	1				1		1				9
080209 other retails			28		24		20	26	14	15	22	21	26	20	16	22	21	17	12	15	13	12	16	360
0802 retail			43		38		30	32	20	23	26	25	36	27	21	26	23	25	18	23	18	13	22	489
080301 haircut													1											1
080302 beauty salon																	1						1	2

100109 other movie/play service									1				1	1	1								4	
1001 movie/play service							1		2	1	1		1	1	2								9	
10 movie/play service							1		2	1	1		1	1	2								9	
110101 telecommunication service			2		1		2	2		3	1	1	2	2		1	1	2		1		2	1	24
1101 telecommunication service			2		1		2	2		3	1	1	2	2		1	1	2		1		2	1	24
11 telecommunication service			2		1		2	2		3	1	1	2	2		1	1	2		1		2	1	24
120101 auto mobile practical training							2								2		1	1		2			1	9
120102 software service																					1			1
120109 other education/research service			7		3		3	5	4	3	6	4	2	4	8	2	4	1	1	1	2	3	3	66
1201 education/research service			7		3		5	5	4	3	6	4	2	4	10	2	5	2	1	3	3	3	4	76
12 education/research service			7		3		5	5	4	3	6	4	2	4	10	2	5	2	1	3	3	3	4	76
130101 hospital			1		4		3	1	2		4	2				2	3	5	1	3		1		32
130102 general clinic																	1				1			2
130109 other medical treatment service																						1		1
1301 medical treatment service			1		4		3	1	2		4	2				2	3	6	1	3	1	2		35
130201 social welfare facility			1		6		5	5	5	2	3	6	6	8	8	8	6	3	9	9	3	5	5	103

1302 social welfare facility			1	6	5	5	5	2	3	6	6	8	8	8	6	3	9	9	3	5	5	103
130301 bathhouse									1	2	2	1		1			1	1	1	1		11
130309 other health and hygiene service			1			1		2				3									1	8
1303 other health and hygiene service			1			1		2	1	2	2	4		1			1	1	1	1	1	19
13 health and hygiene service			3	10	9	6	7	4	8	10	8	12	8	11	9	9	11	13	5	8	6	157
140101 hotel			16	7	12	10	4	6	7	6	11	12	10	9	5	5	7	14	5	3	13	162
1401 hotel			16	7	12	10	4	6	7	6	11	12	10	9	5	5	7	14	5	3	13	162
140201 general restaurant			4	3	4	3	6	3	1	6	3	3	3	5	1	4		4	1	4	2	60
140209 other restaurants				1			2			1									1			5
1402 restaurant			4	4	4	3	8	3	1	7	3	3	3	5	1	4		4	2	4	2	65
140301 golf course				1	2	4	4	4	6	2	2	3	1	2	4		1	1	1	2		40
140302 park and amusement park				1	1		1		2		2	1	1		1	1	1	1	2			15
140309 other amusement service			2	7	3	5	2	4	6	7	2	4	4	2	3	2	1	2	5	1	8	70
1403 other amusement service			2	9	6	9	7	8	14	9	6	8	6	4	8	3	3	4	8	3	8	125
14 amusement service			22	20	22	22	19	17	22	22	20	23	19	18	14	12	10	22	15	10	23	352
150101 building maintenance service			17	14	15	24	10	28	16	13	22	20	20	16	13	14	11	15	12	16	18	314
150102 industrial waste			6	7	5	3	2	5	3	1	2	6	3	4	2	5	2	1	2	1	1	61

management service																								
150103 other waste disposal service				1			1	4	2	1	3	2		1		2	1	3	1		2	2	26	
150104 cremation service																								
150105 livestock process service														1									1	
150109 other cleaning and livestock process service			7	8		7	1	4	3	3	1	2	3	6	3		2	5	4	5	1	1	66	
1501 commercial cleaning			30	30		27	29	20	38	23	18	28	29	31	23	17	22	21	21	19	20	22	468	
15 commercial cleaning			30	30		27	29	20	38	23	18	28	29	31	23	17	22	21	21	19	20	22	468	
160101 public office				1		1					1	1	1	1			1	1					8	
1601 public office				1		1					1	1	1	1			1	1					8	
16 public office				1		1					1	1	1	1			1	1					8	
170101 dispatch service			1											3			1			1			6	
1701 dispatch service			1											3			1			1			6	
170201 security service			2	2			1	4		1	2			3	1	1	1	1			1	1	21	
170202 information processing service														1									1	
170209 others			19	12		12	20	22	19	9	16	20	19	21	18	16	9	8	24	15	15	19	313	
1702 others			21	14		12	21	26	19	10	18	20	19	25	19	17	10	9	24	15	16	20	335	
17 others			22	14		12	21	26	19	10	18	20	22	25	19	17	11	9	24	16	16	20	341	
total			2,135	1,859		1,851	1,657	1,360	1,317	1,103	1,187	1,337	1,360	1,246	1,170	1,069	1,030	962	1,080	946	836	814	24,319	

0104 wood products	1	1	1		3				1	2	1			1		1			1				13
010501 wood furniture					1																		1
010502 metal furniture													1										1
010503 fittings																							
010509 other furniture																							
0105 furniture					1								1										2
010601 pulp/paper																							
010602 paper processing products	1								1								1					1	4
010609 other pulp/paper processing products																							
0106 pulp/paper processing products	1								1								1					1	4
010701 printing service																							
010702 bookbinding																							
010709 other printing and bookbinding																						1	1
0107 printing/bookbinding																						1	1
010801 non organic or organic chemical products													1				1						2
010802 chemical fiber																							
010803 pharmaceuticals																							
010804 petroleum/coal products		1								1													2
010805 plastics products																							
010806 rubber products																1					1		2

0111 nonferrous metal making																							1	1
011201 western tableware/cutting tool products																								
011202 screw products																								
011203 metal press products																								
011204 metal plating products												1												1
011209 other metal products	2	1	1			4	1				1	1			1		1	2	1	1	1			18
0112 metal products	2	1	1			4	1				1	1	1		1		1	2	1	1	1			19
011301 machine products						1	1							2										4
011302 measuring instruments																								
011303 optical instruments																								
011304 watch products																								
011305 other precision machine products																								
0113 machine products						1	1							2										4
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					1																			1
011502 auto mobile products																		1						1

130309 other health and hygiene service																								
1303 other health and hygiene service		1				1																		2
13 health and hygiene service		1				1																		2
140101 hotel	1						1							1			1		1		1			6
1401 hotel	1						1							1			1		1		1			6
140201 general restaurant	1		1																					2
140209 other restaurants																								
1402 restaurant	1		1																					2
140301 golf course						1		1					1					1						4
140302 park and amusement park																								
140309 other amusement service								1			1											2		4
1403 other amusement service						1		2			1		1					1				2		8
14 amusement service	2		1			1	1	2			1		1		1			1	1	1		3		16
150101 building maintenance service	1	2	1	3	1			1					1		1	2			2	2		3		20
150102 industrial waste management service							1																	1
150103 other waste disposal service																1								1
150104 cremation service																								
150105 livestock process service																								
150109 other cleaning and livestock process service																		1		1				2
1501 commercial cleaning	1	2	1	3	1	1		1					1		1	3		1	2	3		3		24

15 commercial cleaning	1	2	1	3	1	1		1						1		1	3		1	2	3		3	24
160101 public office																								
1601 public office																								
16 public office																								
170101 dispatch service																								
1701 dispatch service																								
170201 security service												1												1
170202 information processing service																								
170209 others	2		1	2	3	1			1		1		1	1			1			1	1		1	17
1702 others	2		1	2	3	1			1		1	1	1	1			1			1	1		1	18
17 others	2		1	2	3	1			1		1	1	1	1			1			1	1		1	18
total	94	76	85	81	70	84	57	61	59	55	37	41	54	53	57	39	47	49	44	51	37	27	33	1,291

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

Return to <https://www.jisha.or.jp/english/statistics/2021eCSA.html>