

code no.417 passage as Causal (S) agents

Fatal & non-fatal accidents caused by passage 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			94		107		96	119	97	138	128	131	126	126	141	123	131	109	133	155	144	138	158	2,394
010102 fishery products			202		172		162	161	142	153	167	165	147	140	124	147	131	115	143	157	131	137	136	2,832
010103 agricultural food products			54		51		48	55	54	52	67	55	51	54	64	52	35	47	74	69	55	51	59	1,047
010104 bread/cake products			122		121		147	132	142	164	143	156	136	156	166	140	171	170	172	214	165	169	188	2,974
010105 alcoholic drinks			14		15		9	12	12	12	17	12	16	9	5	12	8	16	12	16	11	12	13	233
010106 soft drinks			12		9		6	7	14	14	13	10	9	10	10	5	9	15	10	14	10	6	11	194
010109 other foods			426		454		596	643	575	618	567	609	669	652	612	657	610	678	696	727	608	666	691	11,754
0101 food products			924		929		1,064	1,129	1,036	1,151	1,102	1,138	1,154	1,147	1,122	1,136	1,095	1,150	1,240	1,352	1,124	1,179	1,256	21,428
010201 silk-reeling					1							1			1						1		1	5
010202 cotton-spinning			3		4		2	7	2		1			1	3	1	2	2	3	3	1	3	1	39
010203 weaving			16		8		12	11	7	11	3	5	5	5	4	4	7	11	6	8	7	5	4	139
010204 dyeing			15		8		7	7	7	8	13	4	8	7	7	5	13	9	6	7	9	6	7	153
010209 other textile products			18		18		15	16	10	16	11	10	19	19	15	18	21	13	11	22	16	16	19	303
0102 textile products			52		39		36	41	26	35	28	20	32	32	30	28	43	35	26	40	34	30	32	639
010301 over/under wear			23		23		20	24	23	21	18	21	17	23	17	18	15	14	19	22	17	13	22	370
010309 other fiber products			28		20		24	14	22	26	18	13	24	19	15	18	19	18	18	14	18	24	21	373
0103 fiber products			51		43		44	38	45	47	36	34	41	42	32	36	34	32	37	36	35	37	43	743
010401 lumbering			57		41		38	35	28	36	25	19	23	21	17	22	20	30	16	26	24	16	29	523
010402 plywood			10		2		13	10	10	8	7	3	6	8	5	10	12	9	5	17	5	8	4	152
010409 other lumber and			34		32		25	34	20	20	24	14	12	21	11	20	15	21	31	25	27	30	12	428

wood products																								
0104 wood products			101		75		76	79	58	64	56	36	41	50	33	52	47	60	52	68	56	54	45	1,103
010501 wood furniture			13		13		17	7	10	8	4	8	6	8	12	8	7	8	5	8	11	7	8	168
010502 metal furniture			3					1	2	2	2	1		1	4		2	1		2	2	3	1	27
010503 fittings			10		5		3	5	3	4	6	2	4	4	1		4	3	4	4	2	1	1	66
010509 other furniture			6		7		3	7	6	3	2	4	4	8	11	2	4	3	5	3	10	4	5	97
0105 furniture			32		25		23	20	21	17	14	15	14	21	28	10	17	15	14	17	25	15	15	358
010601 pulp/paper			9		9		4	6	4	16	12	10	10	15	5	12	9	10	10	8	8	7	9	173
010602 paper processing products			27		30		27	18	15	29	13	21	20	23	21	15	20	21	23	35	28	22	25	433
010609 other pulp/paper processing products			8		10		11	3	7	11	11	8	6	8	6	5	4	11	9	15	10	12	9	164
0106 pulp/paper processing products			44		49		42	27	26	56	36	39	36	46	32	32	33	42	42	58	46	41	43	770
010701 printing service			28		27		26	26	23	23	29	27	16	27	25	30	17	30	26	26	25	21	26	478
010702 bookbinding			3		1		4	6	5	2	2	4	3	3	7	3	6	2	2	1	1	3	2	60
010709 other printing and bookbinding			3		2		5	3	5	1	2	2	6	3	5	4	2	5	2	7	2	4	4	67
0107 printing/bookbinding			34		30		35	35	33	26	33	33	25	33	37	37	25	37	30	34	28	28	32	605
010801 non organic or organic chemical products			16		11		14	19	20	18	9	6	21	12	14	18	10	22	16	20	20	14	23	303
010802 chemical fiber			2				2	1	3	2		3		3	1	3		2	4	3	5		5	39
010803 pharmaceuticals			18		18		12	12	10	10	12	13	13	14	17	24	12	9	22	21	24	12	18	291
010804 petroleum/coal products			5		3		7	1	4	1	4	7	2	2	4	3	2	3	5	4	7	4	3	71
010805 plastics products			44		42		52	68	47	60	37	39	51	59	46	51	48	65	55	84	65	64	82	1,059

010806 rubber products			13		13		19	13	17	12	8	9	16	14	13	13	14	11	12	17	6	18	16	254
010807 leather products			5		4		9	7	7	4	5	4	1	2	2	3	2	3	3	3	3	5	1	73
010808 painting products			4		2		3	4	5	1	3	5	1		1	3	2	1	4	5	7	7	6	64
010809 chemical fertilizer products			3		4		6	7	3	9	1	2	4	1	2	5	2	3	4	8	4	2	7	77
010899 other chemical products			20		13		29	21	15	23	17	16	15	26	11	13	23	24	20	31	23	32	32	404
0108 chemical products			130		110		153	153	131	140	96	104	124	133	111	136	115	143	145	196	164	158	193	2,635
010901 cement products			55		47		42	35	36	39	29	25	27	31	32	30	35	39	36	50	43	42	60	733
010902 glass products			15		6		5	6	9	9	10	5	6	5	4	5	12	5	8	10	5	6	12	143
010903 pottery products			17		9		8	10	6	8	2	4	3	7	9	4	3	5	3	11	2	5	3	119
010904 fire resisting products			4		1		3	2	2	1	1	1	3	1	2	1	2	5	2	1	1		4	37
010905 other ceramic products			3		2		3	3	2	5	3	1	2	5	3	1	2	8	4	8	4	4	2	65
010909 other sand and stone products			33		21		26	16	19	18	13	17	16	16	21	19	16	22	18	14	18	8	23	354
0109 sand and stone products			127		86		87	72	74	80	58	53	57	65	71	60	70	84	71	94	73	65	104	1,451
011001 steel/iron/rolling products			16		6		17	12	10	12	8	16	5	9	9	4	12	11	12	10	10	8	17	204
011002 casting products			18		4		14	18	14	9	15	6	14	7	10	10	7	14	16	11	17	11	9	224
011009 other steel products			8		10		9	11	10	6	6	7	8	4	4	5	7	9	2	5	11	10	8	140
0110 steel making			42		20		40	41	34	27	29	29	27	20	23	19	26	34	30	26	38	29	34	568
011101 nonferrous metals/rolling products			6		6		5	6		2	6	3	5	6	7	5	4	5	5	2	4	6	3	86
011102 nonferrous metals			7		3		1	5	4	3	5	8	3	6	5	5	3	6	4	4	4	5	6	87



telecommunications apparatus			53	49	27	40	48	37	24	46	36	38	39	47	50	63	61	60	55	53	48	874
011409 other electrical equipment			35	29	42	43	43	40	33	35	39	35	32	30	42	56	54	59	52	48	49	796
0114 electrical equipment products			114	95	93	111	107	94	79	103	96	95	84	103	110	144	142	146	127	120	130	2,093
011501 ship building			25	33	21	11	18	19	27	22	17	18	23	15	25	24	23	22	31	25	18	417
011502 auto mobile products			48	69	80	77	65	80	47	55	68	75	57	63	89	107	96	86	77	81	104	1,424
011503 railway vehicle products			2	2	4	2	4	1	5	4	1	6	3	4	3	2	5	4	2	6	5	65
011509 other transport equipment products			13	11	17	17	12	10	5	10	15	10	11	14	11	10	15	19	17	18	29	264
0115 transport equipment products			88	115	122	107	99	110	84	91	101	109	94	96	128	143	139	131	127	130	156	2,170
011601 electric utility service			5	6	3	5	9	4	12	4	3	4	4	7	4	6	5	7	7	3	11	109
011602 city gas service			11	12	9	6	5	7	6	6	3	6	2	5	7	5	7	5	7	10	6	125
011603 city water service			6	7	3	5	7	6	2	3	6	8	2	8	6	4	7	13	11	5	6	115
011609 other electric/gas/water service							1		1									1	2	3		8
0116 electric/gas/water service			22	25	15	16	22	17	21	13	12	18	8	20	17	15	19	26	27	21	23	357
011701 auto mobile servicing			35	27	30	35	25	20	27	21	28	25	22	32	27	34	44	41	40	41	37	591
011702 machine repair			11	13	10	13	9	8	11	8	16	10	6	10	7	7	8	10	14	9	14	194
011703 cleaning			61	54	43	51	65	70	71	82	64	63	72	78	72	82	89	92	81	92	103	1,385
011704 tobacco products				3	2	2	1					2	1	2			1		1	1	1	17
011709 other manufacturing			69	62	50	61	56	69	68	54	48	46	53	59	58	56	59	85	76	77	82	1,188

0117 other manufacturing			176		159		135	162	156	167	177	165	156	146	154	181	164	179	201	228	212	220	237	3,375
01 manufacturing			2,303		2,127		2,299	2,392	2,165	2,349	2,113	2,112	2,188	2,239	2,119	2,243	2,203	2,388	2,461	2,801	2,398	2,466	2,698	44,064
020101 general coal mining			3																					3
020109 other coal mining									1				1										1	3
0201 coal mining			3						1				1										1	6
020201 quarrying			9		6		8	6	6	5	4	9	7	3	8	8	9	5	9	10	3	3	9	127
020202 gravel digging			5		3		5	2	1	3	3	1	5	2	6	7	2	2	2	3	3	1	5	61
020209 other quarrying			1		1			2	1	1		2		3		1	1	1	4	2	1	1	1	23
0202 quarrying			15		10		13	10	8	9	7	12	12	8	14	16	12	8	15	15	7	5	15	211
020301 metal mining			1									1										1		3
020302 petroleum mining															1			1						2
020309 other mining					2		1	1			1	1	1	1			1		1	1	3		1	15
0203 other mining			1		2		1	1			1	2	1	1	1		1	1	1	1	3	1	1	20
02 mining			19		12		14	11	9	9	8	14	14	9	15	16	13	9	16	16	10	6	17	237
030101 hydroelectric plant construction work			3				2	1	2	2				1				2	1	1		1		16
030102 tunnel construction work			4		1		3	1		4	3	3	3			1	2		2	1	4	2	1	38
030103 subway construction work								2										1	1	1		1	1	7
030104 railway construction work			3		3		2		4	6	5	2	4	3	4	9	3	8	5	2	4	10	13	90
030105 bridge construction work			6		1		5	3	3	5	5	2	5	3	4	5	4	3	4	3	3	6	6	76
030106 road construction work			41		31		43	37	34	38	24	28	33	22	28	38	22	40	30	27	44	33	47	640





transportation service			13	23		38	19	9	25	10	17	22	26	18	20	16	25	13	27	21	26	32	400
0403 road cargo transportation service			660	594		684	725	635	733	627	707	698	750	697	768	749	789	841	1,085	990	1,054	1,171	14,957
040409 other transportation service			9	12		8	2	6	4	4	6	5	7	4	5	7	9	12	12	14	6	7	139
0404 other transportation service			9	12		8	2	6	4	4	6	5	7	4	5	7	9	12	12	14	6	7	139
04 transportation service			893	840		965	987	887	1,017	881	966	991	1,092	997	1,094	1,053	1,099	1,142	1,465	1,315	1,333	1,541	20,558
050101 land cargo handling service			39	48		70	46	50	59	64	76	77	69	79	80	81	102	121	149	143	135	149	1,637
0501 land cargo handling service			39	48		70	46	50	59	64	76	77	69	79	80	81	102	121	149	143	135	149	1,637
050201 general harbor transportation service			2	7		3	3	3	1	5	4	3	4	5	2	5	3	3	6		8	7	74
050202 port cargo handling service			16	14		16	18	21	8	10	12	13	9	8	11	11	9	15	13	16	9	21	250
050209 other harbor transportation service			1	4		2			3			1		1		1	1	4	1		1		20
0502 port cargo transportation service			19	25		21	21	24	12	15	16	17	13	14	13	17	13	22	20	16	18	28	344
05 cargo handling service			58	73		91	67	74	71	79	92	94	82	93	93	98	115	143	169	159	153	177	1,981
060101 agriculture			39	39		52	53	46	53	45	61	63	78	100	93	93	87	75	115	108	128	126	1,454
0601 agriculture			39	39		52	53	46	53	45	61	63	78	100	93	93	87	75	115	108	128	126	1,454
060201 lumbering			18	26		19	27	24	14	16	20	25	16	9	14	16	21	20	15	9	12	26	347
060209 other forestry			26	18		19	22	20	16	22	14	13	11	11	9	8	9	4	11	8	11	14	266
0602 forestry			44	44		38	49	44	30	38	34	38	27	20	23	24	30	24	26	17	23	40	613

06 agriculture			83		83		90	102	90	83	83	95	101	105	120	116	117	117	99	141	125	151	166	2,067
070101 livestock			48		45		43	44	48	55	38	51	52	50	37	40	53	56	49	64	56	79	75	983
0701 livestock			48		45		43	44	48	55	38	51	52	50	37	40	53	56	49	64	56	79	75	983
070201 fishery			14		20		14	13	11	11	15	19	19	20	16	10	13	7	3	5	4	12	10	236
070209 other fishery			16		7		11	20	10	12	6	12	7	7	6	2	9	7	8	6	14	9	13	182
0702 fishery			30		27		25	33	21	23	21	31	26	27	22	12	22	14	11	11	18	21	23	418
07 livestock/fishery			78		72		68	77	69	78	59	82	78	77	59	52	75	70	60	75	74	100	98	1,401
080101 all kinds of wholesale			40		41		36	36	30	19	14	21	13	20	20	19	9	16	13	7	13	22	13	402
080102 furniture/fittings wholesale			7		5		6	1	3	6	2	2	1	3	2	3	2	3	1	5	3	1	4	60
080109 other wholesale			159		192		179	180	197	210	144	198	217	214	208	236	213	225	231	306	269	280	284	4,142
0801 wholesale			206		238		221	217	230	235	160	221	231	237	230	258	224	244	245	318	285	303	301	4,604
080201 all kinds of retail			507		511		516	474	459	427	411	403	410	430	368	384	345	424	392	430	381	364	480	8,116
080202 auto mobile retail			17		14		18	17	16	24	11	22	25	38	35	30	25	25	30	42	29	33	50	501
080203 furniture/fittings retail			13		10		14	13	10	11	8	14	8	8	14	13	15	18	13	12	12	12	12	230
080204 fuel retail			69		66		68	69	62	47	60	57	79	87	71	49	63	69	69	84	86	65	82	1,302
080205 newspaper retail			229		207		249	225	212	265	223	255	283	292	266	291	193	256	245	336	246	203	272	4,748
080209 other retails			503		561		727	718	764	857	859	986	1,119	1,174	1,195	1,219	1,317	1,478	1,602	1,703	1,741	1,881	2,148	22,552
0802 retail			1,338		1,369		1,592	1,516	1,523	1,631	1,572	1,737	1,924	2,029	1,949	1,986	1,958	2,270	2,351	2,607	2,495	2,558	3,044	37,449
080301 haircut			3		3		2	3	2	2	2	2	3	4	4	4	2	2	4	7	5	4	8	66
080302 beauty salon			15		11		13	14	10	11	10	11	15	16	13	14	13	21	22	27	21	32	34	323
0803 haircut/beauty salon			18		14		15	17	12	13	12	13	18	20	17	18	15	23	26	34	26	36	42	389
080401 warehousing			16		14		25	23	22	40	24	28	30	34	35	40	36	41	52	57	60	58	64	699
080409 other commerce			59		76		77	97	96	102	104	97	90	94	109	132	98	128	142	156	146	159	191	2,153
0804 other commerce			75		90		102	120	118	142	128	125	120	128	144	172	134	169	194	213	206	217	255	2,852

08 commerce			1,637	1,711	1,930	1,870	1,883	2,021	1,872	2,096	2,293	2,414	2,340	2,434	2,331	2,706	2,816	3,172	3,012	3,114	3,642	45,294
090101 banking/trust business			19	26	19	21	33	35	38	25	33	24	39	25	33	37	29	38	41	39	35	589
090102 stock/commodity trade business			1	3	2	2	5	1	1	1	4	1	1	3	2	3	2	3	2	2	4	37
090103 insurance business			137	115	112	128	119	113	130	132	146	149	109	130	128	128	147	179	131	145	157	2,535
090109 other financial business			7	10	7	4	5	2	7	5	2	2	5	7	6	10	3	8	7	14	5	116
0901 financial business			164	154	140	155	162	151	175	163	181	179	154	163	167	178	181	228	181	200	201	3,277
090201 traveling service			4	3	9	3	5	9	11	4	13	6	9	3	11	9	7	16	18	4	6	150
090209 other advertisement and mediator			7	14	11	10	16	17	18	14	14	16	17	27	17	32	25	25	21	27	26	354
0902 advertisement and mediator			11	17	20	13	21	26	29	18	27	22	26	30	28	41	32	41	39	31	32	504
09 financial business/advertisement			175	171	160	168	183	177	204	181	208	201	180	193	195	219	213	269	220	231	233	3,781
100101 movie production and delivery service			3	1	1				4	1	1	3	3	1	2	1	5	1		3	6	36
100102 movie theatre							1		3		2			1	1		4	1	2			15
100109 other movie/play service			2	3		5	4	4	6	4	3	7	1	2		4	2	5	1	7	3	63
1001 movie/play service			5	4	1	5	5	4	13	5	6	10	4	4	3	5	11	7	3	10	9	114
10 movie/play service			5	4	1	5	5	4	13	5	6	10	4	4	3	5	11	7	3	10	9	114
110101 telecommunication service			10	37	201	255	231	260	233	220	274	232	208	222	192	222	210	274	242	260	263	4,046
1101 telecommunication			10	37	201	255	231	260	233	220	274	232	208	222	192	222	210	274	242	260	263	4,046













011701 auto mobile servicing																								
011702 machine repair			1																				1	
011703 cleaning																								
011704 tobacco products																								
011709 other manufacturing												1											1	
0117 other manufacturing			1									1											2	
01 manufacturing	1		2	1	1	1	3	1	4			4	4	1	2	1	1	1		1	1	3	2	35
020101 general coal mining																								
020109 other coal mining																								
0201 coal mining																								
020201 quarrying	1														1							1	3	
020202 gravel digging																								
020209 other quarrying				1																			1	
0202 quarrying	1			1											1							1	4	
020301 metal mining																								
020302 petroleum mining																								
020309 other mining																								
0203 other mining																								
02 mining	1			1											1							1	4	
030101 hydroelectric plant construction work																								
030102 tunnel construction work																								
030103 subway construction work																								
030104 railway construction work																								
030105 bridge construction work	1		1																				2	
030106 road construction work		1												1				1		1			4	











1701 dispatch service																								
170201 security service		1		1		1		2						1		2			1			1	1	11
170202 information processing service																								
170209 others						1		1				1	1					1					2	7
1702 others		1		1		2		3				1	1	1		2		1	1			1	3	18
17 others		1		1		2		3				1	1	1		2		1	1			1	3	18
total	7	9	8	8	4	7	5	12	13	2	4	13	10	7	7	6	5	9	6	10	6	9	16	183

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

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