

code no.529 other materials as Causal (S) agents

Fatal & non-fatal accidents caused by other materials 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			17		14		15	24	13	10	20	18	17	12	23	17	18	19	16	10	13	17	18	311
010102 fishery products			24		23		18	27	18	28	17	14	17	27	19	10	22	24	16	37	23	14	11	389
010103 agricultural food products			6		4		5	7	5	7	5	6	8	6	4	3	4	6	2	4	6	5	2	95
010104 bread/cake products			13		23		15	12	18	16	17	17	14	13	18	20	18	15	14	13	17	11	14	298
010105 alcoholic drinks			3		5		7	7	3	5	2	4	2		6	4	1	3	4	5	2	4	3	70
010106 soft drinks			4		4		2	1	1	2	3	2	3	2	1		1	6	3	2		3	1	41
010109 other foods			83		53		70	80	92	60	56	66	70	78	64	63	43	53	68	59	63	55	51	1,227
0101 food products			150		126		132	158	150	128	120	127	131	138	135	117	107	126	123	130	124	109	100	2,431
010201 silk-reeling					1		2			1														4
010202 cotton-spinning					3		1								2					1			1	8
010203 weaving			3				2	4	1	1	1	2	5	3	2	1	3	2	1		3		2	36
010204 dyeing			4		1		1	4	2	4	1	2	1		1	2	3	1	3	1	1			32
010209 other textile products			4		9		5	7	5	4	2	5	5	6	2	3	6	1	8	4	4	4	2	86
0102 textile products			11		14		11	15	8	10	4	9	11	9	7	6	12	4	12	6	8	4	5	166
010301 over/under wear			3		3			2				3	3	4	1			3		1		2	2	27
010309 other fiber products			9		2		4	10	5	6	3	7	3	6	6	6	2	3	4	6	8	2	2	94
0103 fiber products			12		5		4	12	5	6	3	10	6	10	7	6	2	6	4	7	8	4	4	121
010401 lumbering			4		4		6	3	2	2	2	2	2	4	1	1	2	3	3		2			43

products			6		2			3	6	1	5	4	2	2	2		2	1	1	2	1	1	2	43
011002 casting products			8		6		8	8	7	4	3	5	9	3	3	3	1	6	6	5	1	4	3	93
011009 other steel products			4		4		1	2		1	1	1	3	2	2	2	1		1	2	2	3	2	34
0110 steel making			18		12		9	13	13	6	9	10	14	7	7	5	4	7	8	9	4	8	7	170
011101 nonferrous metals/rolling products			2		3			4	1	1			3	1	2		5		2			2		28
011102 nonferrous metals casting products					3		2	1	2	2					1	2	2		3		1	1	1	21
011109 other nonferrous metal products			3		3		4	4	4	7	2	4	2	3	1	1	1	1	3			1		44
0111 nonferrous metal making			5		9		6	9	7	10	2	7	3	5	2	8	3	3	6		3	2	3	93
011201 western tableware/cutting tool products			1				1			1				1					1		1	1		7
011202 screw products			1							2			1											4
011203 metal press products					3		4	4	4	2	4	3		3	4	1		1		2	5	3	2	45
011204 metal plating products					2		2	4	4	2	1	1	1	4		1	1	1		3	1	3	1	32
011209 other metal products			42		33		27	26	18	27	25	29	23	19	18	16	27	16	19	18	18	15	17	433
0112 metal products			44		38		34	34	26	34	30	33	25	27	22	18	28	18	20	23	25	22	20	521
011301 machine products			15		15		10	14	13	13	11	11	15	7	9	12	7	2	7	8	3	6	10	188
011302 measuring			2					1			3		2		1		1	1					1	12

instruments																								
011303 optical instruments			2	3	5	3	2	1		3	1	2	1		2	2							27	
011304 watch products			1								2												3	
011305 other precision machine products				3	4	4	1	1		1	2	5	2	4	2	1		3	2	1	2		38	
0113 machine products			20	21	19	19	17	16	15	12	24	13	14	17	10	6	9	11	5	7	13		268	
011401 heavy electrical equipment			3		1	2	2	1		1	1			1	2	2		1		1	1		19	
011402 electrical appliance			5	2	2	2	2	6	3	4	2	1	1	2	2	2	2	1	3	1	3		46	
011403 electronics equipment and telecommunications apparatus			3	12	6	7	12	10	5	10	3	3	3	2	5	4	4	3	4	5	5		106	
011409 other electrical equipment			13	14	6	7	20	7	4	9	8	5	3	3	3	5	9		7	2	4		129	
0114 electrical equipment products			24	28	15	18	36	24	12	24	14	9	7	8	12	13	15	5	14	9	13		300	
011501 ship building			3	2	2	5	4	3	1	1	2	1	1	1	2	2	1		1		2		34	
011502 auto mobile products			10	9	12	16	15	14	10	7	9	11	12	6	8	6	18	15	9	8	7		202	
011503 railway vehicle products				1												1							2	
011509 other transport equipment products			2	4	1	2	1	1	1	2		1		2	1	1		4					23	
0115 transport equipment			15	16	15	23	20	18	12	10	11	13	13	9	11	10	19	19	10	8	9		261	

020302 petroleum mining																							
020309 other mining				1			1											1					3
0203 other mining			1	1			1										1						4
02 mining			3	3		3	2	2		1		2		2			1	1	2		1		23
030101 hydroelectric plant construction work													2	1									3
030102 tunnel construction work			3			3	2		3	3	2	3		1		1		1		6			28
030103 subway construction work									1														1
030104 railway construction work			3	5		1	1	3		1		1		1	1	1	1	2	2	2		2	27
030105 bridge construction work			1	5		2	2	1	2	1	1		1	1		1	1	3		1	1		24
030106 road construction work			53	33		29	35	32	26	24	19	22	16	15	22	15	17	19	14	16	9	18	434
030107 river civil engineering work			26	10		7	7	8	6	4	6	1	6	4	6	4	4	3	3	4	3	5	117
030108 sand collapse prevention civil engineering work			4	3		1	3	2	4	1		5	5		2		1	2	1	1	1	2	38
030109 land consolidation civil engineering work			21	12		10	13	4	7	5	7	9	4	9	10	6	5	4	2	2	5	6	141
030110 water supply/sewage			39	14		27	19	20	14	15	16	7	11	10	10	8	9	8	5	7	13	9	261

construction work																									
030111 port/seaside construction work			1	2	4	4	2		1		1	1	2			1			1	2				22	
030199 other civil engineering work			107	77	44	56	60	44	41	42	42	50	35	38	38	26	32	29	34	36	26		857		
0301 civil engineering work			258	161	128	142	132	107	96	93	91	94	80	90	74	65	74	56	74	70	68		1,953		
030201 steel frame/reinforced concrete house construction work			72	80	73	78	74	70	38	42	48	56	60	64	52	51	37	42	35	50	36		1,058		
030202 wooden house construction work			104	71	73	63	55	51	37	46	56	36	44	39	39	41	37	34	36	35	38		935		
030203 building facility construction work			29	24	25	13	16	14	9	11	23	12	15	9	17	10	7	15	20	9	15		293		
030209 other building construction work			115	100	103	88	115	95	79	105	86	92	96	100	76	78	61	70	60	87	85		1,691		
0302 construction work			320	275	274	242	260	230	163	204	213	196	215	212	184	180	142	161	151	181	174		3,977		
030301 electricity/telecommunication work			10	12	11	8	9	7	6	2	9	9	6	8	6	5	10	3	4	6	5		136		
030302 machinery/apparatus setting work			3	8	10	4	8	7	3	3	5	7	2	2	7	2	2	3		6	7		89		
030309 other construction works			44	35	35	56	33	23	30	28	36	34	31	48	38	33	32	25	27	31	41		660		
0303 other construction			57	55	56	68	50	37	39	33	50	50	39	58	51	40	44	31	31	43	53		885		

works																								
03 construction			635		491		458	452	442	374	298	330	354	340	334	360	309	285	260	248	256	294	295	6,815
040101 railroad service					1			1	1		1	1	1	2		2	3			1	1	1		16
040102 water transportation service							1			2					1	2				1				7
040103 airline service			2		1			2					3		1	1	1			1	1	1	1	15
0401 railroad/water transportation/airline service			2		2		1	3	1	2	1	1	1	5	1	5	4	1		3	2	2	1	38
040201 taxi service			1		2		1	6		3	3	1	6	4	2	1	5	1	1	3	1	3	4	48
040202 bus service			3		3		1	3	6	3		5	1	2	3	5	2		1			2	4	44
040209 other passenger transport service					1					1						1	1		1					5
0402 road passenger transport service			4		6		2	9	6	7	3	6	7	6	5	7	8	1	3	3	1	5	8	97
040301 general truck transportation service			127		124		98	113	104	108	81	86	91	92	76	86	83	63	73	73	60	66	85	1,689
040302 specific truck transportation service			4		6		4	5	6	1	3	4	1	3	3	2		5	2	4	3	3		59
040303 cargo/ light automobile transportation service							1	1	1			1	1		1	1	1	1	1	1	1			12
040309 other land cargo transportation service			2		3		4	5	6	4	4	2	5	1	9	1	4	1	2	5	4			62
0403 road cargo			133		133		107	124	117	113	88	93	98	96	89	90	88	70	78	83	68	69	85	1,822

transportation service																								
040409 other transportation service			1	3	1	1		4	1	2	1		1	1	1						1		18	
0404 other transportation service			1	3	1	1		4	1	2	1		1	1	1						1		18	
04 transportation service			140	144		111	137	124	126	93	102	107	107	96	103	101	72	81	89	71	77	94	1,975	
050101 land cargo handling service			10	9	7	10	9	6	12	4	8	10	12	12	15	15	15	1	14	10	16	195		
0501 land cargo handling service			10	9	7	10	9	6	12	4	8	10	12	12	15	15	15	1	14	10	16	195		
050201 general harbor transportation service					1			1			2				1	1					1	7		
050202 port cargo handling service			4	4	4	3	7	6	1	2	2	1	2	6	1					4	3	1	51	
050209 other harbor transportation service			1								1							1			1		4	
0502 port cargo transportation service			5	4	5	3	7	7	1	3	4	1	2	6	2	1	1			4	4	2	62	
05 cargo handling service			15	13		12	13	16	13	13	7	12	11	14	18	17	16	16	1	18	14	18	257	
060101 agriculture			5	8	2	3	7	3	7	4	6	7	14	8	4	7	5	8	5	5	4	112		
0601 agriculture			5	8	2	3	7	3	7	4	6	7	14	8	4	7	5	8	5	5	4	112		
060201 lumbering			1	2		1	3			1		1	1										10	
060209 other forestry			1		1		2					1			2	1		2				1	11	
0602 forestry			2	2	1	1	5			1		2	1		2	1		2				1	21	

06 agriculture			7		10		3	4	12	3	7	5	6	9	15	8	6	8	5	10	5	5	5	133
070101 livestock			1		4		12	2	3	3	5	6	7	7	5	9	7	7	4	9	7		5	103
0701 livestock			1		4		12	2	3	3	5	6	7	7	5	9	7	7	4	9	7		5	103
070201 fishery			3		4		2	3	5	8	4	5	6	4		1	1	2	4	3	5	2	3	65
070209 other fishery			3		3		3	6	1	3		1			6	1	1	1	2	2	3	3	1	40
0702 fishery			6		7		5	9	6	11	4	6	6	4	6	2	2	3	6	5	8	5	4	105
07 livestock/fishery			7		11		17	11	9	14	9	12	13	11	11	11	9	10	10	14	15	5	9	208
080101 all kinds of wholesale			12		9		3	5	4	1	1	1	1	4		1		4	5	1			1	53
080102 furniture/fittings wholesale			3		1			2			2	1	3	3	2	4		1	1	1		1		25
080109 other wholesale			40		41		29	34	36	35	39	29	34	33	30	44	28	30	34	36	31	29	37	649
0801 wholesale			55		51		32	41	40	36	42	31	38	40	32	49	28	35	40	38	31	30	38	727
080201 all kinds of retail			74		91		62	53	62	46	44	40	55	30	30	42	29	31	30	28	25	29	19	820
080202 auto mobile retail			1		2		2	3	1	5	4	2	3	2	1	4	2	1	2	3	3	2	3	46
080203 furniture/fittings retail			12		5		5	7	5	3	2	4	1	5		2	5	2	4	3	2	4	3	74
080204 fuel retail			12		7		9	6	8	7	4	7	4	2	4	3	5	3	2	3	1	2	4	93
080205 newspaper retail			2		1		5		2	4	2	1	4	1	2	3	1	2	1	4	3	2	2	42
080209 other retails			87		101		120	128	143	122	137	123	110	137	134	123	124	121	96	118	113	113	132	2,282
0802 retail			188		207		203	197	221	187	193	177	177	177	171	177	166	160	135	159	147	152	163	3,357
080301 haircut								2								1	1					1		5
080302 beauty salon					2		1	1	2	1	1	1	2	2		1		2	4	2	2	4	1	29
0803 haircut/beauty salon					2		1	3	2	1	1	1	2	2		2	1	2	4	2	2	5	1	34

080401 warehousing			4		3		5	1	6	8	2	3	6	4	3	5	6	6	8	7	3	4	7	91
080409 other commerce			10		14		10	15	15	14	10	9	8	15	12	9	15	16	9	4	10	10	16	221
0804 other commerce			14		17		15	16	21	22	12	12	14	19	15	14	21	22	17	11	13	14	23	312
08 commerce			257		277		251	257	284	246	248	221	231	238	218	242	216	219	196	210	193	201	225	4,430
090101 banking/trust business			1						1					1	1		2	1	1	1	1			10
090102 stock/commodity trade business																								
090103 insurance business								2	1			1	1	2		1	1	1	1	2		1	1	15
090109 other financial business								2	1			2												5
0901 financial business			1				2	3	2			3	1	3	1	1	3	2	2	3	1	1	1	30
090201 traveling service			1										1	1										3
090209 other advertisement and mediator			1		3		2	4		2		2	1	2	1	3	2		1	1	3			28
0902 advertisement and mediator			2		3		2	4		2		2	2	3	1	3	2		1	1	3			31
09 financial business/advertisement			3		3		4	7	2	2		5	3	6	2	4	5	2	3	4	4	1	1	61
100101 movie production and delivery service							1		1		1									2				5
100102 movie theatre																								
100109 other movie/play service			3				2	1			2			1	1					2	2	1	1	16

1001 movie/play service			3				3	1	1		3			1	1				4	2	1	1	21	
10 movie/play service			3				3	1	1		3			1	1				4	2	1	1	21	
110101 telecommunication service					1		3	5	5	1	2	2	3	4	3	4	3	2	2	1	2	5	3	51
1101 telecommunication service					1		3	5	5	1	2	2	3	4	3	4	3	2	2	1	2	5	3	51
11 telecommunication service					1		3	5	5	1	2	2	3	4	3	4	3	2	2	1	2	5	3	51
120101 auto mobile practical training									1							1								2
120102 software service																	1	1	1					3
120109 other education/research service			6		9		4	10	13	11	9	9	4	6	6	8	2	3	9	5	8	8	3	133
1201 education/research service			6		9		4	10	14	11	9	9	4	6	6	8	3	4	10	6	8	8	3	138
12 education/research service			6		9		4	10	14	11	9	9	4	6	6	8	3	4	10	6	8	8	3	138
130101 hospital			17		19		11	18	17	11	10	12	10	8	12	5	11	5	7	11	8	16	7	215
130102 general clinic			3				2	4	2	2	1	2	1	2	2	3		2	1	2	2	1	2	34
130109 other medical treatment service					1		2	1	6	2	1	2	1	2	1	2	3	1	1	2	1	1		30
1301 medical treatment service			20		20		15	23	25	15	12	16	12	12	15	10	14	8	9	15	11	18	9	279
130201 social welfare facility			11		16		32	33	45	21	30	35	32	46	43	37	37	38	39	33	36	43	39	646
1302 social welfare facility			11		16		32	33	45	21	30	35	32	46	43	37	37	38	39	33	36	43	39	646
130301 bathhouse			1		2		4	2	7	1	2	1	2	3	3	4	1	3	2	3	3	2	1	47

130309 other health and hygiene service			1	1	3	3	2		2	1		4		1					1	1	1	21
1303 other health and hygiene service			2	3	7	5	9	1	4	2	2	7	3	5	1	3	2	3	4	3	2	68
13 health and hygiene service			33	39	54	61	79	37	46	53	46	65	61	52	52	49	50	51	51	64	50	993
140101 hotel			68	53	38	47	45	50	54	40	48	42	51	33	43	26	26	31	37	23	23	778
1401 hotel			68	53	38	47	45	50	54	40	48	42	51	33	43	26	26	31	37	23	23	778
140201 general restaurant			225	253	238	297	262	258	290	260	256	319	299	282	301	258	234	225	253	211	196	4,917
140209 other restaurants			21	36	38	40	26	34	28	33	34	26	24	29	28	18	20	21	19	14	11	500
1402 restaurant			246	289	276	337	288	292	318	293	290	345	323	311	329	276	254	246	272	225	207	5,417
140301 golf course			32	26	23	34	50	16	24	22	16	9	10	16	13	9	11	8	14	5	9	347
140302 park and amusement park			3	1			2	1	2	2		2	1	2	1		2	2	4	1	1	27
140309 other amusement service			6	16	14	18	26	20	19	18	20	27	16	10	24	12	13	11	14	16	6	306
1403 other amusement service			41	43	37	52	78	37	45	42	36	38	27	28	38	21	26	21	32	22	16	680
14 amusement service			355	385	351	436	411	379	417	375	374	425	401	372	410	323	306	298	341	270	246	6,875
150101 building maintenance service			27	52	39	44	40	32	32	36	28	34	43	43	34	32	25	30	31	21	26	649
150102 industrial waste management service			45	40	38	58	51	54	33	37	45	54	69	49	47	54	49	48	56	67	46	940
150103 other waste disposal service			37	39	47	49	34	44	29	28	46	30	42	45	30	31	25	24	32	38	26	676

150104 cremation service																								
150105 livestock process service																								
150109 other cleaning and livestock process service																								1
1501 commercial cleaning																								4
15 commercial cleaning																								4
160101 public office																								
1601 public office																								
16 public office																								
170101 dispatch service																								
1701 dispatch service																								
170201 security service																								
170202 information processing service																								
170209 others																								1
1702 others																								1
17 others																								1
total	5	3	6	5	4	4	5	3	2	3	8	5	3	3	4	2	4	3	2			2	2	78

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>

