

Relation between causal agents and code no. 08 cut as type of Fatal and non-fatal accidents in 1999-2020

L	M	S	causal agent	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	total
		111	engine		1	6		2		2	4	2	2	4	1	3	6			1	1	2	1	2	3	43
	11		engine	3	1	6	2	2	4	2	4	2	2	4	1	3	6			1	1	2	1	2	3	52
		121	power transmission mechanism		26	17		20		20	10	18	18	7	13	14	9	14	8	8	8	9	6	5	8	238
	12		power transmission mechanism	24	26	17	13	20	14	20	10	18	18	7	13	14	9	14	8	8	8	9	6	5	8	289
		131	circular sawing machine		2,297	2,106		1,914		1,558	1,452	1,351	1,250	1,049	1,054	993	952	925	905	765	718	668	672	703	628	21,960
		132	band sawing machine		180	159		116		103	75	91	80	65	52	64	54	62	51	53	41	27	40	22	37	1,372
		133	wood planer machine		547	492		396		309	271	243	264	206	187	182	142	151	138	120	124	113	115	98	105	4,203
		134	hollow chisel mortiser, wood borer		48	61		40		21	18	21	18	15	9	16	14	12	7	12	4	10	8	5	4	343
		135	chamfering machine, router, woodworking milling machine		88	76		65		44	45	47	43	33	20	30	26	24	21	22	18	15	31	17	16	681
		136	chain saw		597	566		626		556	538	618	570	614	609	558	499	451	478	446	399	388	344	367	397	9,621
		139	other woodworking machines		582	503		432		367	317	325	298	250	257	274	229	241	227	198	199	198	179	188	160	5,424
	13		woodworking machine	4,422	4,339	3,963	3,653	3,589	3,255	2,958	2,716	2,696	2,523	2,232	2,188	2,117	1,916	1,866	1,827	1,616	1,503	1,419	1,389	1,400	1,347	54,934
		141	leveling, transporting or loading machine		5	3				2	5		3	1	3	1		5	4	3	1	2	1			39
		142	excavating machine		6	1		4		7	2	3	8		3	2	1	2	6	4	1	2	5	3	5	65
		143	foundation work machine		4	2		1		1	1	1	1	1		1	1	2		2	3	1	1	1	2	26
		144	hardening machine					1					2		1			2								6
		145	demolition machine		6	9		6		5	7	11	6	7	5	4	4	4	5	7	5	2	2	1	4	100
		146	vehicle for high lift work					1		1							1					1	1			5
		149	other construction machines		30	34		18		25	22	19	25	26	18	21	23	15	11	13	15	10	14	7	12	358
	14		construction machine	65	51	49	47	31	39	41	37	36	43	35	30	29	30	30	26	29	25	18	24	12	23	750
		151	lathe		83	87		71		61	93	64	59	37	41	42	55	43	41	36	36	24	32	47	36	988
		152	drill press, milling		154	104		101		90	87	85	64	38	47	47	41	44	39	44	32	25	30	27	22	1,121

		214	elevator, lift		1	3		2		1	3	2	2	2		1	2	4	2	2	4		2	1	2	36
		215	cargo lifting appliance							1											1					2
		216	gondola							2			1								1					4
		217	lumberyard equipment, logging cableway			1		1				1					1		2				2			8
		218	simple skyline yarding equipment																							
		219	other powered crane		6	5		4		3	2	2	1	2	1	2	3	1		1	2		1			36
	21	crane		13	24	24	22	22	13	14	14	13	20	10	7	14	10	10	6	11	9	9	13	10	11	299
		221	truck		53	60		40		50	46	38	36	43	38	28	27	39	25	27	30	38	33	26	31	708
		222	forklift		7	11		8		11	10	3	8	6	4	4	5	4	7	5	5	5	5	8	6	122
		223	railway equipment			1					1					1							1	1		5
		224	conveyor		36	44		25		20	34	20	30	21	26	21	20	13	20	16	24	21	17	14	15	437
		225	loader					1		1	1											1				4
		226	straddle carrier																							
		227	rough terrain hauler							1				1											1	3
		229	other powered conveying machines		5	14		10		16	11	4	8	4	6	10	4	4	5	4	4	6	8	7	2	132
	22	conveying machine		108	101	130	86	84	91	99	103	65	82	75	74	64	56	60	57	52	63	71	64	56	55	1,696
		231	cars, bus, motorcycle		23	20		24		17	14	8	27	17	20	14	10	17	10	5	16	6	13	15	7	283
		232	railway vehicle		1			1				1		1		3	1			1			2		1	12
		239	other vehicles		3	7		7		4	1	8	4	1	4	2	4	2	1	2	4	6	1	5	2	68
	23	vehicle		30	27	27	20	32	21	21	15	17	31	19	24	19	15	19	11	8	20	12	16	20	10	434
2		crane, conveying machine		151	152	181	128	138	125	134	132	95	133	104	105	97	81	89	74	71	92	92	93	86	76	2,429
		311	boiler									1		1		1						1				4
		312	pressure vessel		1	1		1				1					1			1						6
		319	other pressure vessels		1	2		3			1			1	1	1			2							12
	31	pressure vessel		3	2	3	2	4	2		1	2		2	1	2	1		2	1			1			29
		321	chemical facilities					2		1	2						1						2	1		9
	32	chemical facilities						2	2	1	2						1						2	1		11
		331	gas welding equipment			1						1	1	2					2			1	1			9
		332	arc welding equipment		3	2		3		1	3	7	4	1	3	4			3	2	4	3	2		2	47

		339	other welding equipment		5	6		3		2	2	2	1			1	1	1	1	4	2		3		34	
	33		welding equipment	10	8	9	8	6	2	3	5	10	6	3	3	4	1	1	6	3	9	6	2	3	2	110
		341	kiln, caldron		2	2				1	1		3	1		2	1	2			1	1	2	1	20	
		342	industrial dryer		2					4	1		1	1	1	1	1	1	1		2		2	1	20	
		349	other kiln, caldron									1													1	
	34		kiln, caldron	2	4	2	3		1	4	2	2	1	4	2	1	3	2	3	1		3	1	4	2	47
		351	transmission		1	2				1		1		1				1		1					9	
		352	electric power facilities		1						2	2				2		1		1		1			10	
		359	other electrical equipment		7	11		9		4	2	5	10	2	5	4	6	4	5	4	8	3	6	3	4	102
	35		electric equipment	8	9	13	10	9	14	5	4	8	10	3	5	5	8	4	6	5	9	4	7	3	4	153
		361	human power cranes					5			2		3	2	2	2	1	1	1	1	1		1	6	1	29
		362	human power hauling equipment		28	22		31		22	26	26	37	24	18	25	20	30	33	15	26	34	30	32	21	500
		363	human power machine		33	27		18		30	23	25	25	16	22	16	17	19	23	16	14	20	15	26	17	402
		364	hand tool		3,233	3,323		3,176		2,987	2,899	2,918	2,672	2,426	2,509	2,351	2,623	2,596	2,407	2,393	2,247	2,240	2,286	2,265	2,304	49,855
	36		human power machine, tools	3,330	3,294	3,372	3,438	3,230	3,108	3,039	2,950	2,969	2,737	2,468	2,551	2,394	2,661	2,646	2,464	2,425	2,288	2,294	2,332	2,329	2,343	60,662
		371	ladder		23	17		18		22	13	18	13	10	9	12	13	16	12	9	12	13	15	14	8	267
		372	slinging tool		9	3		11		2	7	3	3	4	6	4	1	2	3	2	6	3	8	4	7	88
		379	other tools		466	429		529		526	508	480	548	431	462	521	467	450	436	526	462	449	541	532	422	9,185
	37		tools	454	498	449	467	558	578	550	528	501	564	445	477	537	481	468	451	537	480	465	564	550	437	11,039
		391	other equipments, facilities		165	222		161		163	156	182	195	158	182	159	181	169	176	169	189	144	177	146	153	3,247
	39		other equipments, facilities	195	165	222	191	161	192	163	156	182	195	158	182	159	181	169	176	169	189	144	177	146	153	3,825
	3		other equipment	4,002	3,980	4,070	4,119	3,970	3,899	3,765	3,648	3,674	3,513	3,083	3,221	3,102	3,336	3,291	3,108	3,141	2,975	2,916	3,086	3,036	2,941	75,876
		411	scaffolding		16	7		5		9	6	3	4	6	6	3	6	6	4	1	2	4	5	5	3	101
		412	timbering		1	4		1		1	2	1	1		2		1	1	1		1	1			1	19
		413	stairs, landing stage		2	4		5		8	7	3	6	3	3	5	5	2	2	2	2	4	5	3	2	73
		414	opening			4				1		2	1	2	1	1	1		1	1	2	2		1	1	21
		415	roof, beam, haze, crossbeam, principal rafter		17	21		9		14	8	11	5	10	13	5	6	7	7	8	4	7	5	7	8	172
		416	working platform, boot board		15	6		21		2	7	11	6	8	14	7	2	6	8	9	8	2	7	3	9	151
		417	passage		19	10		17		18	19	17	14	10	17	8	7	12	9	16	11	10	10	12	7	243

		418	building, establishment		81	59		62		65	64	58	53	42	55	37	37	44	35	22	51	43	41	40	29	918
		419	other temporary buildings, establishments		63	62		60		63	59	42	49	28	34	39	47	29	39	40	43	39	53	57	41	887
	41		temporary buildings, establishments	179	214	177	175	180	177	181	172	148	139	109	145	105	112	107	106	99	124	112	126	128	101	3,116
4			temporary buildings, establishments	179	214	177	175	180	177	181	172	148	139	109	145	105	112	107	106	99	124	112	126	128	101	3,116
		511	explosive substance							1	1							1					1		1	5
		512	inflammable substance		1			1		1	1	1			1	1		1		1			1			10
		513	inflammable gas			1							1													2
		514	harmful substance		1	1		1																		3
		515	radiation																							
		519	other hazards, harmful substances		2	4		2		3	4	1	4	2	2	4	3	1	1	3	10	7	2	5	2	62
	51		hazards, harmful substances	5	4	6	1	4	5	5	6	2	5	2	3	5	3	3	1	4	10	7	4	5	3	93
		521	metal material		673	710		596		577	589	513	497	420	419	387	490	428	418	389	405	369	358	380	344	8,962
		522	lumber, bamboo		80	66		60		57	51	53	44	41	31	32	33	50	31	29	34	40	36	33	34	835
		523	stone, sand, substance		15	9		10		6	14	3	6	4	2	5	6	2	3	5	4	2	3	7	1	107
		529	other materials		581	554		575		526	571	537	519	496	452	467	512	512	505	451	431	360	371	423	357	9,200
	52		materials	1,334	1,349	1,339	1,281	1,241	1,283	1,166	1,225	1,106	1,066	961	904	891	1,041	992	957	874	874	771	768	843	736	23,002
5			substance, material	1,339	1,353	1,345	1,282	1,245	1,288	1,171	1,231	1,108	1,071	963	907	896	1,044	995	958	878	884	778	772	848	739	23,095
		611	load		179	191		187		133	156	156	131	118	118	115	120	117	133	104	110	88	105	103	98	2,462
		612	machine/equipment as load		19	16		19		17	16	22	11	15	13	7	9	16	9	7	8	9	8	11	9	241
	61		load	205	198	207	173	206	166	150	172	178	142	133	131	122	129	133	142	111	118	97	113	114	107	3,247
6			load	205	198	207	173	206	166	150	172	178	142	133	131	122	129	133	142	111	118	97	113	114	107	3,247
		711	natural ground, rock		10	11		18		6	7	4	7	9	8	5	9	9	8	12	4	7	4	3	3	144
		712	standing tree		43	38		34		21	21	34	39	47	23	38	21	22	17	33	21	20	21	19	20	532
		713	water		1	1		1		2	1		1	2		4	1	2			1					17
		714	abnormal environment											1			1									2
		715	high/cold temperature environment			1					1	2					1									5
		719	other environments		59	66		73		59	60	51	56	66	62	51	49	63	51	44	60	44	62	64	56	1,096

	71	natural environment	107	113	117	127	126	114	88	90	91	103	125	93	98	82	96	76	89	86	71	87	86	79	2,144
7		environment	107	113	117	127	126	114	88	90	91	103	125	93	98	82	96	76	89	86	71	87	86	79	2,144
		911 other causal agent		283	178		191		140	132	138	126	97	83	137	106	96	123	105	82	108	99	88	56	2,368
	91	other causal agent	316	283	178	182	191	156	140	132	138	126	97	83	137	106	96	123	105	82	108	99	88	56	3,022
		921 no causal agent		11	10		4		8	7	6	14	9	5	6	14	7	11	7	3	11	13	9	14	169
	92	no causal agent	15	11	10	9	4	10	8	7	6	14	9	5	6	14	7	11	7	3	11	13	9	14	203
		999 unclassifiable		13	9		8		5	8	5	4	4	7	9	4	5	3	5	5		7	4		105
	99	unclassifiable	22	13	9	11	8	11	5	8	5	4	4	7	9	4	5	3	5	5		7	4		149
9		others	353	307	197	202	203	177	153	147	149	144	110	95	152	124	108	137	117	90	119	119	101	70	3,374
0		total	14,541	14,472	13,871	13,323	13,039	12,399	11,682	11,199	11,132	10,707	9,352	9,393	9,229	9,258	9,038	8,704	8,423	8,117	7,760	7,878	7,977	7,592	229,086

Data of 2011 year include Industrial accidents caused by Great East Japan Earthquake in 2011.

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

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