

Relation between causal agents and code no. 90 others 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			2																	1		3	
	11		engine	1		2																	1		4	
		121	power transmission mechanism										1													1
	12		power transmission mechanism										1													1
		131	circular sawing machine		2								1			1										4
		132	band sawing machine											1												1
		133	wood planer machine							1			1													2
		134	hollow chisel mortiser, wood borer											1												1
		135	chamfering machine, router, woodworking milling machine							1																1
		136	chain saw		3	3				1	1				1	2	3			2	2		5		2	25
		139	other woodworking machines		5	4				1	3	1	1		1	1			1		1	1				20
	13		woodworking machine	7	10	7	6		4	4	4	1	3	2	2	4	3		1	2	3	1	5		2	71
		141	leveling, transporting or loading machine									1			1											2
		142	excavating machine		1	1		1		1	1					1		1						1		8
		143	foundation work machine		2																					2
		144	hardening machine										1													1
		145	demolition machine		2			1		1	3		2	2		1	2		1		2	2				19
		146	vehicle for high lift work									1														1
		149	other construction machines		7	3		4		2	1	1	3	3		1	1			1	2		1		1	31

	17	mobile silviculture machine																							
1		machine	37	46	28	20	18	28	18	33	24	22	23	12	20	16	11	9	16	11	5	11	6	10	424
		211 crane								1							3								4
		212 mobile crane								2			1		1										4
		213 derrick crane																							
		214 elevator, lift					1		1							1			1						4
		215 cargo lifting appliance																							
		216 gondola			1																				1
		217 lumberyard equipment, logging cableway			1														1						2
		218 simple skyline yarding equipment																							
		219 other powered crane													1										1
	21	crane	4		2		1	2	1	3			1		2	1	3		2						22
		221 truck		6	8		12		5	5	7	4	6	4	2	5	2	5	5	6	6	6	4	3	101
		222 forklift		1	1		5		1				1	1				1		3	1	2			17
		223 railway equipment																							
		224 conveyor														1					1			1	3
		225 loader							1															3	4
		226 straddle carrier																							
		227 rough terrain hauler																1							1
		229 other powered conveying machines		3								1	1	1	1	1							2	1	11
	22	conveying machine	3	10	9	8	17	17	7	5	7	5	8	6	3	7	2	7	5	9	8	8	6	8	165
		231 cars, bus, motorcycle		2	4		1		9	5	3	5	7	5	5	2	7	4	8	2	7	3	4	7	90
		232 railway vehicle												1								1			2
		239 other vehicles		15	2		8		18	12	35	39	35	26	14	9	2	2	7	2	2	1	15	1	245
	23	vehicle	2	17	6	7	9	4	27	17	38	44	42	32	19	11	9	6	15	4	9	5	19	8	350
2		crane, conveying machine	9	27	17	15	27	23	35	25	45	49	51	38	24	19	14	13	22	13	17	13	25	16	537
		311 boiler											1								1				2
		312 pressure vessel			1		1				1					1				1		1	1		7

	319	other pressure vessels					1							1							1			4		
	31	pressure vessel	1		1	1	2				1		2			1	1			1	1	2	1		15	
		321	chemical facilities			1					4						2						1	8		
	32	chemical facilities			1						4						2						1	8		
		331	gas welding equipment		1				1															2		
		332	arc welding equipment		2	1		1		2	1	2				2		1	1			1		14		
		339	other welding equipment			1		1			1													3		
	33	welding equipment	1	3	2	2	2		3	2	2					2		1	1			1		22		
		341	kiln, caldron							1														1		
		342	industrial dryer																							
		349	other kiln, caldron																							
	34	kiln, caldron						2	1															3		
		351	transmission			1														1				2		
		352	electric power facilities																			1		1		
		359	other electrical equipment					1			1								1					3		
	35	electric equipment			1	2	1				1								1	1		1		8		
		361	human power cranes								1													1		
		362	human power hauling equipment		2	3		2		1	5	2		1	2			1	4			1		24		
		363	human power machine		1			2				1					1							5		
		364	hand tool		12	11		23		8	15	9	5	4	4	4	2	3	14	4	3	4	7	3	8	143
	36	human power machine, tools	13	15	14	8	27	14	9	21	12	5	5	6	4	2	4	15	8	3	4	7	4	8	208	
		371	ladder					3			1	3	1		1	1	1		1	2	1			16		
		372	slinging tool					1		1														2		
		379	other tools		13	9		12		11	10	11	7	7	9	14	5	11	6	15	14	8	15	12	13	202
	37	tools	13	13	9	10	16	10	12	11	14	8	7	10	15	6	12	6	16	16	9	15	12	13	253	
		391	other equipments, facilities		7	6		9		11	10	9	3	7	5	5	5	3	6	9	3	1	14	5	3	121
	39	other equipments,	13	7	6	14	9	9	11	10	9	3	7	5	5	5	3	6	9	3	1	14	5	3	157	

5	substance, material		49	47	43	46	48	56	45	31	42	34	33	19	32	25	26	20	26	21	16	23	21	23	726
	611	load		13	13		15		8	14	12	12	8	3	5	9	6	4	5	2	4	6	6	6	151
	612	machine/equipment as load		1	1		1		2	1	1												1	8	
	61	load	9	14	14	12	16	20	10	15	13	12	8	3	5	9	6	4	5	2	4	6	6	7	200
6	load		9	14	14	12	16	20	10	15	13	12	8	3	5	9	6	4	5	2	4	6	6	7	200
	711	natural ground, rock		3	3				1	2		2			1			1		1		1		1	16
	712	standing tree		3	5		7		5	3	5	2	7	3	2	1	2	2	2	2	2	3	1	4	61
	713	water		1	1		1		3	2	2	1	1		416	1		4	7	4	3	2	5	2	456
	714	abnormal environment		5	5		3		6	12	16	6	6	7	8	16	9	3	4	2	6	2	3	3	122
	715	high/cold temperature environment		15	36		20		27	33	48	38	19	46	27	21	35	19	18	11	23	24	26	21	507
	719	other environments		202	176		189		186	212	192	169	184	162	221	161	171	203	206	190	218	212	245	247	3,746
	71	natural environment	198	229	226	205	220	242	228	264	263	218	217	218	675	200	217	232	237	210	252	244	280	278	5,553
7	environment		198	229	226	205	220	242	228	264	263	218	217	218	675	200	217	232	237	210	252	244	280	278	5,553
	911	other causal agent		613	540		532		697	703	707	717	599	571	669	604	604	595	653	590	548	604	644	6,746	17,936
	91	other causal agent	482	613	540	508	532	607	697	703	707	717	599	571	669	604	604	595	653	590	548	604	644	6,746	19,533
	921	no causal agent		138	142		178		194	231	282	295	344	340	305	327	285	307	351	365	405	469	455	492	5,905
	92	no causal agent	176	138	142	181	178	176	194	231	282	295	344	340	305	327	285	307	351	365	405	469	455	492	6,438
	999	unclassifiable		48	23		42		24	23	22	40	36	20	25	36	31	16	29	9	16	26	25	13	504
	99	unclassifiable	44	48	23	30	42	30	24	23	22	40	36	20	25	36	31	16	29	9	16	26	25	13	608
9	others		702	799	705	719	752	813	915	957	1,011	1,052	979	931	999	967	920	918	1,033	964	969	1,099	1,124	7,251	26,579
0	total		1,068	1,224	1,083	1,061	1,158	1,230	1,302	1,385	1,457	1,417	1,348	1,249	1,791	1,269	1,229	1,231	1,394	1,256	1,291	1,445	1,501	7,620	35,009

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/2020enfctcs.html>