

Relation between causal agents and code no. 13 electric shock 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	1				3		1		2	1			2						1		12	
	11		engine		1	1				3		1		2	1			2						1		12	
		121	power transmission mechanism																								
	12		power transmission mechanism																								
		131	circular sawing machine		1													1	1		1					4	
		132	band sawing machine								1															1	
		133	wood planer machine																								
		134	hollow chisel mortiser, wood borer																								
		135	chamfering machine, router, woodworking milling machine																								
		136	chain saw																		1					1	
		139	other woodworking machines																								
	13		woodworking machine	2	1		1		1		1							1	1		2					10	
		141	leveling, transporting or loading machine																					1		1	
		142	excavating machine																								
		143	foundation work machine																								
		144	hardening machine																								
		145	demolition machine																								
		146	vehicle for high lift work															1						1		2	
		149	other construction machines																								
	14		construction machine				1											1						2		4	
		151	lathe			2													1							3	
		152	drill press, milling machine			1					1																2
		153	grinding machine, buffing machine		2	1		1		3	1	1			2	2	2		2	2		1	1			21	
		154	power press										1	1				1	1	1						5	
		155	forging pressure hammer																								
		156	shearing machine									1														1	
		159	other metal manufacturing machines		2	3		1					1	1			1						1	1		11	
	15		metal manufacturing machine	4	4	7	3	2	5	3	2	2	2	2	2	2	3	1	3	4		1	2	1		55	
		161	centrifugal machine																								
		162	mixer, grinder			4		1			1	1	1						1	1						10	
		163	roll machine (except printingroll machine)			1												1	1							3	
		164	injection molding machine			2						1					1				1			1		6	
		165	food manufacturing machine		3	3		2		1		1	1		1	1		2			4		4		1	24	
		166	printing machine		2	1					1												1			5	
		167	industrial robot																								
		169	other general power machines		13	10		6		8	7	8	4	2	3	5	4	6	6	6	5	4	5	6	2	110	

	16	general machine	8	18	21	12	9	12	9	9	11	6	2	4	6	5	9	8	7	10	4	10	7	3	190	
		171	felling machine																							
		172	mobile logging machine																							
		173	skyline yarding machine																							
		179	other mobile silviculture machine																							
	17	mobile silviculture machine																								
1		machine	14	24	29	17	11	18	15	12	14	8	6	7	8	8	14	12	11	12	5	12	9	5	271	
		211	crane		7	5		4		5	3	1	5	2	5	2	4		1	1	1	2	1	2	53	
		212	mobile crane		8	4		3		8	2	3	3	3	3	4	2	6	1	2	1	3	1	1	58	
		213	derrick crane																							
		214	elevator, lift			1					1								1				1	1	5	
		215	cargo lifting appliance																							
		216	gondola																					1	1	
		217	lumberyard equipment, logging cableway																	1					1	
		218	simple skyline yarding equipment																							
		219	other powered crane							1		1													2	
	21	crane	9	15	10	16	7	11	13	6	5	9	5	8	6	4	10	1	4	3	4	3	3	4	156	
		221	truck							1	1							1						1	4	
		222	forklift				1		1				1			1		1		1				1	7	
		223	railway equipment																							
		224	conveyor		1	2		1		1	1			1					1		2	1	2		13	
		225	loader																							
		226	straddle carrier																							
		227	rough terrain hauler																							
		229	other powered conveying machines						1		1				1									1	4	
	22	conveying machine	1	1	2	2	2	3	3	2	2		1	1	1	1		2	1	1	2	1	2	3	34	
		231	cars, bus, motorcycle		2					1			1		2	1		2		1		1			11	
		232	railway vehicle			1			1		1				1					1				1	6	
		239	other vehicles																				1		1	
	23	vehicle	2	2	1	1		2	1	1	1		1		3	1		2		2		1	1	1	23	
2		crane, conveying machine	12	18	13	19	9	16	17	9	8	9	7	9	10	6	10	5	5	6	6	5	6	8	213	
		311	boiler			1					1	1													3	
		312	pressure vessel		1																1				2	
		319	other pressure vessels																							
	31	pressure vessel		1	1						1	1										1			5	
		321	chemical facilities										1												1	
	32	chemical facilities											1												1	
		331	gas welding equipment			1														1					2	
		332	arc welding equipment		7	8		6		10	3	9	5	2	3	1	5	5	4	4	3	3	3	1	2	84
		339	other welding equipment			3				1					1	1					2	1			9	
	33	welding equipment	4	7	12	8	6	7	10	4	9	5	2	4	2	5	5	4	5	5	4	3	1	2	114	
		341	kiln, caldron							1	2		1				2	1	1		1	1	2	1	13	
		342	industrial dryer														1		1	1					3	
		349	other kiln, caldron				1					1													2	
	34	kiln, caldron	3			1	1			1	2	1	1				2	2	1	1	2	1	2	1	22	
		351	transmission		58	39		28		38	28	52	47	33	26	24	38	19	35	29	35	24	44	30	21	648
		352	electric power facilities		39	45		37		39	28	38	37	27	37	26	25	30	33	27	13	20	33	17	24	575

