

Relation between causal agents and code no. 17 traffic accident (public road) as type of Fatal accidents in 1999-2021

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	2021	total
		111	engine																								
	11		engine																								
		121	power transmission mechanism																								
	12		power transmission mechanism																								
		131	circular sawing machine																								
		132	band sawing machine																								
		133	wood planer machine																								
		134	hollow chisel mortiser, wood borer																								
		135	chamfering machine, router, woodworking milling machine																								
		136	chain saw																								
		139	other woodworking machines																								
	13		woodworking machine																								
		141	leveling, transporting or loading machine		2				1		1					1	1							1			7
		142	excavating machine							1		1					2										4
		143	foundation work machine		1																						1
		144	hardening machine			1		1	2				1														5
		145	demolition machine																				1				1
		146	vehicle for high lift work				3			2	1	2			1		2	1		1	1		1	1		2	18



		179	other mobile silviculture machine																								
	17		mobile silviculture machine																								
1			machine		6	1	3	1	3	3	4	3	1	1	1	2	3	4		2	3		3	2	2	4	52
		211	crane																								
		212	mobile crane	3	4	3	3		3		2	1		1	1		1		2		1	2	3	1	1	1	33
		213	derrick crane																								
		214	elevator, lift																								
		215	cargo lifting appliance																								
		216	gondola																								
		217	lumberyard equipment, logging cableway																								
		218	simple skyline yarding equipment																								
		219	other powered crane																								
	21		crane	3	4	3	3		3		2	1		1	1		1		2		1	2	3	1	1	1	33
		221	truck	326	314	291	252	254	235	248	194	188	140	119	149	115	114	113	111	89	104	108	73	70	71	66	3,744
		222	forklift	2	2			2		1	1	1		1		1	2			1	1				3	2	20
		223	railway equipment																								
		224	conveyor																								
		225	loader																								
		226	straddle carrier																								
		227	rough terrain hauler																								
		229	other powered conveying machines	2		2		1						1		1							2				9
	22		conveying machine	330	316	293	252	257	235	249	195	189	140	121	149	117	116	113	111	90	105	108	75	70	74	68	3,773
		231	cars, bus, motorcycle	266	258	248	229	218	198	208	182	143	142	113	121	118	129	114	115	94	107	90	91	81	85	56	3,406
		232	railway vehicle			1							1	1										1			4

	239	other vehicles	5	2	4	3	2	1	2		1	1	1		1		2	1	1	1			2			30
	23	vehicle	271	260	253	232	220	199	210	182	144	144	115	121	119	129	116	116	95	108	90	91	84	85	56	3,440
2		crane, conveying machine	604	580	549	487	477	437	459	379	334	284	237	271	236	246	229	229	185	214	200	169	155	160	125	7,246
	311	boiler																								
	312	pressure vessel																								
	319	other pressure vessels																								
	31	pressure vessel																								
	321	chemical facilities																								
	32	chemical facilities																								
	331	gas welding equipment																								
	332	arc welding equipment																								
	339	other welding equipment																								
	33	welding equipment																								
	341	kiln, caldron																								
	342	industrial dryer																								
	349	other kiln, caldron																								
	34	kiln, caldron																								
	351	transmission																								
	352	electric power facilities																								
	359	other electrical equipment																								
	35	electric equipment																								
	361	human power cranes																								
	362	human power hauling equipment	1	1	1	2	2	2	3	2		2		6		1		1	2		2	1		1		30
	363	human power machine																								
	364	hand tool																								
	36	human power machine, tools	1	1	1	2	2	2	3	2		2		6		1		1	2		2	1		1		30





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

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