Relation between small causal agents and type of Fatal accidents in code no. 50101 land cargo handling service as small industry in 1999-2020

Ciati	on between small car											12		14	15	16	17	18	19	90	99	00
	small causal agents	fall	falling	crash	struck by	collapse			cut	injury to the	contact to high/low- temperature	contact to	electric shock	explosion		fire	traffic accident	traffic	reaction to motion/improper			
111	engine																					0
121	power transmission mechanism																					0
131	circular sawing machine																					0
132	band sawing machine																					0
133	wood planer machine																					0
134	hollow chisel mortiser, wood borer																					0
135	chamfering machine, router, woodworking milling machine																					O
136	chain saw																					0
139	other woodworking machines																					0
141	leveling, transporting or loading machine	1					1	1														3
142	excavating machine																					0
143	foundation work machine																					0
144	hardening machine																					0
145	demolition machine																					0
146	vehicle for high lift work																					0
149	other construction machines																					0
	lathe																					0
	drill press, milling machine																					0
	grinding machine, buffing machine																					0
	power press																					0
155	forging pressure																					0

	hammer																
156	shearing machine																0
159	other metal manufacturing machines						1						2				3
161	centrifugal machine																0
162	mixer, grinder																0
163	roll machine (except printingroll machine)																0
164	injection molding machine																0
	food manufacturing machine																0
166	printing machine																0
167	industrial robot																0
169	other general power machines							3									3
171	felling machine																0
172	mobile logging machine																0
173	skyline yarding machine																0
179	other mobile silviculture machine																0
211	crane				3		1										4
212	mobile crane	1															1
213	derrick crane	$oxed{oxed}$											Ш				0
214	elevator, lift							1					Щ				1
215	cargo lifting appliance																0
	gondola												Щ				0
	lumberyard equipment, logging cableway																0
218	simple skyline yarding equipment																0
219	other powered crane																0
221	truck	5					5	5						12			27
222		19	3	4		2	5	12									45
223	railway equipment							1							1		2
224	conveyor							1									1
225	loader																0

226	straddle carrier													0
227	rough terrain hauler													0
229	other powered conveying machines				1									1
231	cars, bus, motorcycle											10		10
232	railway vehicle													0
239	other vehicles													0
311	boiler													0
312	pressure vessel													0
319	other pressure vessels													0
321	chemical facilities													0
331	gas welding equipment													0
222	arc welding equipment										2			2
220	other welding equipment													0
	kiln, caldron													0
42	industrial dryer													0
49	other kiln, caldron													0
51	transmission													0
352	electric power facilities													0
359	other electrical equipment													0
361	human power cranes			1	1									2
362	human power hauling equipment				1									1
363	human power machine													0
64	hand tool													0
	ladder	1												1
	slinging tool			1	1									2
	other tools				1	1								2
391	other equipments, facilities													0
411	scaffolding													0
	timbering													0
	stairs, landing stage													1
114	opening	2												2
	roof, beam, haze,													

415	crossbeam, principal rafter																						0
	working platform, boot board	1	1																				2
	passage																						0
418	building, establishment	6													1								7
419	other temporary buildings, establishments	1																					1
511	explosive substance																						0
512	inflammable substance																						0
513	inflammable gas																						0
514	harmful substance																						0
515	radiation																						0
519	other hazards, harmful substances																						0
521	metal material				1			1															2
522	lumber, bamboo					1																	1
523	stone, sand, substance																						0
529	other materials					1																	1
611	load	1			6	9	1	1															18
612	machine/equipment as load					1																	1
711	natural ground, rock																						0
712	standing tree																						0
713	water										1												1
714	abnormal environment												1										1
715	high/cold temperature environment											4											4
719	other environments																						0
911	other causal agent																						0
921	no causal agent		1																		6		7
999	unclassifiable										1												1
000	total	39	5	4	12	19	14	27	0	0	2	4	1	0	1	0	4	22	1	0	6	0	161

Data of 2011 year do not include Industrial accidents caused by Great East Japan Earthquake in 2011.

Data sources: <a href="https://anzeninfo.mhlw.go.jp/anzen\_pg/SIB\_FND.aspx">https://anzeninfo.mhlw.go.jp/anzen\_pg/SIB\_FND.aspx</a> (MHLW, Japan)

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