Relation between small causal agents and type of Fatal accidents in code no. 20202 gravel digging as small industry in 1999-2020

Kelati	on between small car													14	15	16	17	18	19	90	99	00
code	small causal agents	fall from	falling	crash	struck by	collapse			injury to the		contact to high/low- temperature	contact	electric shock	explosion			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
	hollow chisel mortiser, wood borer																					0
135	chamfering machine, router, woodworking milling machine																					0
136	chain saw																					0
139	other woodworking machines																					0
141	leveling, transporting or loading machine	6					1	3														10
142	excavating machine	6								1												7
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
151																						0
	drill press, milling machine																					0
153	grinding machine, buffing machine																					0
	power press																					0
155	forging pressure																					0

	hammer												
156	shearing machine												0
159	other metal manufacturing machines												0
161	centrifugal machine												0
162	mixer, grinder	1				2							3
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	1											1
171	felling machine												0
172	mobile logging machine												0
173	skyline yarding machine												0
	other mobile silviculture machine												0
-	crane												0
212	mobile crane										1		1
213	derrick crane												0
214				<u> </u>									0
215	cargo lifting appliance												0
	gondola			<u> </u>									0
	lumberyard equipment, logging cableway												0
218	Jaranis equipment												0
219	other powered crane												0
221	truck				1	3					3		7
222	forklift				1								1
223	railway equipment												0
224	conveyor loader	1				9							10
225	loader												0

226	straddle carrier												0
227	rough terrain hauler	1											1
29	other powered conveying machines												0
31	cars, bus, motorcycle										1		1
	railway vehicle												0
	other vehicles												0
	boiler												0
12	pressure vessel												0
19	other pressure vessels												0
21	chemical facilities												0
31	gas welding equipment												0
22	arc welding equipment												0
20	other welding equipment												0
	kiln, caldron												0
42	industrial dryer												0
49	other kiln, caldron												0
51	transmission												0
52	electric power facilities												0
59	other electrical equipment												0
61	human power cranes												0
62	human power hauling equipment												0
63	human power machine												0
	hand tool												0
	ladder												0
	slinging tool												0
	other tools												0
91	other equipments, facilities				1		2						3
11	scaffolding												0
	timbering												0
	stairs, landing stage												0
		2											2
	roof, beam, haze,												

415	crossbeam, principal rafter																						0
416	working platform, boot board	1	1																				2
	passage																						0
418	building, establishment	1				2																	3
419	other temporary buildings, establishments				1																		1
511	explosive substance																						0
512	inflammable substance																						0
513	inflammable gas														1								1
514	harmful substance																						0
515	radiation																						0
519	other hazards, harmful substances																						0
521	metal material					1																	1
522	lumber, bamboo						1																1
523	stone, sand, substance	2			1	2																	5
529	other materials																						0
611	load																						0
612	machine/equipment as load																						0
711	natural ground, rock					6																	6
712	standing tree																						0
713	water										4												4
714	abnormal environment																						0
715	high/cold temperature environment											1											1
719	other environments																						0
911	other causal agent																						0
921	no causal agent																						0
999	unclassifiable																						0
000	total	22	1	0	2	11	4	18	0	0	7	1	0	0	1	0	0	5	0	0	0	0	72

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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