Relation between small causal agents and type of Fatal accidents in code no. 30199 other civil engineering work as small industry in 1999-2020

		01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	90	99	00
code	small causal agents	fall from height	falling to same level	crash	struck by flying or falling object	collapse	crashed by	caught in/between	cut	injury to the sole of the foot	drown	contact to high/low-temperature	contact to harmful substance	electric shock	explosion	burst	fire	traffic accident (public road)	traffic accident (others)	reaction to motion/improper motion	others	unclassifiable	total
111	engine																						0
121	power transmission mechanism							2															2
131	circular sawing machine								3														3
132	band sawing machine																						0
133	wood planer machine																						0
134	hollow chisel mortiser, wood borer																						0
135	chamfering machine, router, woodworking milling machine																						0
136	chain saw								1														1
139	other woodworking machines																						0
141	leveling, transporting or loading machine	17	10	2			8	17								1		2					57
142	excavating machine	39	11	1	2	1	25	40			1							1					121
143	foundation work machine		1		6	1	2	2															12
144	hardening machine	13	1					5										2					21
145	demolition machine	3	1				2	2															8
146	vehicle for high lift work		1					2										2					5
149	other construction machines	4			1		5	18															28
151	lathe																						0
152	drill press, milling machine																						0
153	grinding machine, buffing machine																						0
154	power press																						0
155	forging pressure hammer																						0

156	shearing machine																							0
159	other metal manufacturing machines																							0
161	centrifugal machine																							0
162	mixer, grinder		1			1		2																4
163	roll machine (except printingroll machine)																							0
164	injection molding machine																							0
165	food manufacturing machine																							0
166	printing machine																							0
167	industrial robot																							0
169	other general power machines	2	3		1		4	5	5															20
171	felling machine																							0
172	mobile logging machine																							0
173	skyline yarding machine																							0
179	other mobile silviculture machine																							0
211	crane	2			1	1	1																	5
212	mobile crane	5	6		3	1	18	22											2					57
213	derrick crane																							0
214	elevator, lift	1																						1
215	cargo lifting appliance																							0
216	gondola																							0
217	lumberyard equipment, logging cableway																							0
218	simple skyline yarding equipment																							0
219	other powered crane	1																						1
221	truck	18					18	35			1								107	2				181
222	forklift	2			1			3																6
223	railway equipment																							0
224	conveyor							1																1
225	loader			1																				1
226	straddle carrier																							0

227	rough terrain hauler	14	1	2				4															21
229	other powered conveying machines	3	1				2	4															10
231	cars, bus, motorcycle	1					1											135					137
232	railway vehicle																		2				2
239	other vehicles										2								1				3
311	boiler																						0
312	pressure vessel				1																		1
319	other pressure vessels																						0
321	chemical facilities																						0
331	gas welding equipment											1											1
332	arc welding equipment													1									1
339	other welding equipment																						0
341	kiln, caldron																						0
342	industrial dryer																						0
349	other kiln, caldron																						0
351	transmission													1									1
352	electric power facilities																						0
359	other electrical equipment																						0
361	human power cranes						1																1
362	human power hauling equipment					1																	1
363	human power machine											1											1
364	hand tool																						0
371	ladder	21																					21
372	slinging tool	2			21		4	1															28
379	other tools	7			2		1	1															11
391	other equipments, facilities	1			1	1		1			1												5
411	scaffolding	9									1												10
412	timbering	1			2	3	1																7
413	stairs, landing stage		1																				1
414	opening	6									1												7
415	roof, beam, haze, crossbeam, principal rafter	7			2																		9

416	working platform, boot board	7	1																				8
417	passage	8	1								1												10
418	building, establishment	32	1		2	26					12										2		75
419	other temporary buildings, establishments	8				14	1	1	1		2												27
511	explosive substance														1								1
512	inflammable substance											1					1						2
513	inflammable gas												3		1								4
514	harmful substance												12										12
515	radiation																						0
519	other hazards, harmful substances																						0
521	metal material				5	4																	9
522	lumber, bamboo	1	1		3	2	2	1															10
523	stone, sand, substance																						0
529	other materials					2	1																3
611	load	1			2	3	2																8
612	machine/equipment as load	1			1		1																3
711	natural ground, rock	54	1		9	87																	151
712	standing tree	14			9	4	42	1															70
713	water										20												20
714	abnormal environment										1		4										5
715	high/cold temperature environment											34									2		36
719	other environments	1	1		2	6					1				1						8		20
911	other causal agent																4				2		6
921	no causal agent																				11		11
999	unclassifiable		1								1						2					5	9
000	total	306	45	6	77	158	142	170	10	0	45	37	19	2	3	1	7	251	5	0	25	5	1,314

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

Data sources: https://anzeninfo.mhlw.go.jp/anzen_pg/SIB_FND.aspx (MHLW, Japan)

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