		01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	90	99	00
ode	small causal agents	Ian	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	me	(muhlio	traffic accident (others)	reaction to motion/improper motion	others	unclassifiable	tota
	engine																						0
121	power transmission mechanism							1															1
31	circular sawing machine																						0
32	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																						0
	other woodworking machines																						0
141	leveling, transporting or loading machine																						0
	excavating machine																						0
143	foundation work machine																						0
144	hardening machine																						0
145	demolition machine																						0
14n II	vehicle for high lift work																						0
	other construction machines																						0
	lathe																						0
152	drill press, milling machine																						0
153	grinding machine, buffing machine																						0
	power press																						0
155	forging pressure																						0

Relation between small causal agents and type of Fatal accidents in code no. 10601 pulp/paper as small industry in 1999-2020

	hammer															
156	shearing machine															0
159	other metal manufacturing machines															0
161	centrifugal machine															0
162	mixer, grinder	1														1
	roll machine (except printingroll machine)						15									15
164	injection molding machine															0
165	food manufacturing machine															0
166	printing machine															0
167	industrial robot															0
169	other general power machines					1	10		1							12
	felling machine															0
172	mobile logging machine															0
173	skyline yarding machine															0
179	other mobile silviculture machine															0
211	crane										1					1
212	mobile crane															0
	derrick crane															0
	elevator, lift													 		0
	cargo lifting appliance															0
	gondola															0
217	lumberyard equipment, logging cableway															0
218	simple skyline yarding equipment															0
219	other powered crane															0
221	truck															0
	forklift		2			3	1									6
	railway equipment															0
	conveyor				1	1	6									8
225	loader	2														2

226	straddle carrier																0
227	rough terrain hauler																0
229	other powered conveying machines					3											3
231	cars, bus, motorcycle												2	2			2
	railway vehicle																0
	other vehicles																0
311	boiler			1													1
312	pressure vessel																0
319	other pressure vessels																0
321	chemical facilities																0
331	gas welding equipment																0
332	arc welding equipment																0
	other welding equipment																0
341	kiln, caldron																0
342	industrial dryer																0
349	other kiln, caldron																0
351	transmission																0
352	electric power facilities										1						1
359	other electrical equipment																0
361	human power cranes																0
362	human power hauling equipment																0
363	human power machine																0
	hand tool																0
	ladder																0
	slinging tool																0
379	other tools																0
391	raciinties	2				1			1								4
411	scaffolding																0
	timbering																0
	stairs, landing stage	1															1
414	1 0	4															4
	roof, beam, haze,																

	crossbeam, principal rafter																						0
416	working platform, boot board	1																					1
	r	1																					1
418	building, establishment					1		1															2
419	other temporary buildings, establishments																						0
511	explosive substance																						0
512	inflammable substance																						0
513	inflammable gas																						0
514	harmful substance												6										6
515	radiation																						0
519	other hazards, harmful substances																						0
521	metal material																						0
522	lumber, bamboo																						0
523	stone, sand, substance																						0
529	other materials																						0
	load					5																	5
612	machine/equipment as load																						0
711	natural ground, rock																						0
712	standing tree																						0
713	water										1												1
714	abnormal environment																						0
715	high/cold temperature environment											1											1
719	other environments																						0
911	other causal agent																						0
921	no causal agent																				1		1
999	unclassifiable																						0
000	total	12	2	0	2	6	5	38	0	0	3	1	6	2	0	0	0	2	0	0	1	0	80

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

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