Relation between causal agents and code no. 01 fall from height as type of Fatal and non-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		6	9		1		2	2	2	1		1		1	1	2	4	1	2	1	1	1	4	42
	11	engine		1	6	9	2	1		2	2	2	1		1		1	1	2	4	1	2	1	1	1	4	45
		121	power transmission mechanism		4							1	3	1	6	1	2	2	1	4	4	4	2	1	1	3	40
	12	power transmission mechanism		2	4		4		1			1	3	1	6	1	2	2	1	4	4	4	2	1	1	3	47
		131	circular sawing machine		2	3		1			2	1		1	1	1			2			1		2	1	1	19
		132	band sawing machine		7	2		1		2	2		2			2				1	1	1	2	2	2	1	28
		133	wood planer machine		1	1				1													1			1	5
		134	hollow chisel mortiser, wood borer												1												1
		135	chamfering machine, router, woodworking milling machine											1								1					2
		136	chain saw			2		1		1	1	3	1		2	2		1			1			3	3	3	24
		139	other woodworking machines		11	6		11		12	5	6	7	9	9	6	9	8	10	8	7	7	3	3	9	8	154
	13	woodworking machine		18	21	14	17	14	10	16	10	10	10	11	13	11	9	9	12	9	9	10	6	10	15	14	278
		141	leveling, transporting or loading machine		70	90		80		68	71	63	73	58	79	52	74	57	58	63	74	66	67	57	70	76	1,366
		142	excavating machine		146	171		135		150	128	91	106	104	95	102	100	107	103	96	84	94	117	118	116	117	2,280
		143	foundation work machine		20	14		8		7	6	11	4	6	7	7	6	8	13	9	8	8	5	5	4	6	162
		144	hardening machine		20	13		13		13	12	9	9	10	15	8	8	6	10	9	11	7	4	7	10	12	206
		145	demolition machine		2	3		7		9	6	2	10	6		3	3	9	13	4	10	8	10	10	7	14	136
		146	vehicle for high lift work		30	36		41		41	46	38	49	43	45	36	38	32	32	34	34	38	32	50	35	45	775
		149	other construction machines		37	41		35		43	40	33	31	42	29	41	38	36	50	28	29	33	24	28	26	26	690
	14	construction machine		354	325	368	327	319	305	331	309	247	282	269	270	249	267	255	279	243	250	254	259	275	268	296	6,601
		151	lathe		2	2		3		1	2	1	2	4	2	3	2	1	1	4	1	5	3	2		5	46
		152	drill press, milling machine		2	1				1	1	1	4	1	1	1	1	2			1			3			20
		153	grinding machine, buffing machine		2	3		1		1	2		1	4			2		1		2		2	1			22
		154	power press		4	6		5		3	3	4	4	2	3	3	4	1	5	1	2	2	7	5	6	3	73
		155	forging pressure																					1			1

			hammer																								
		156	shearing machine			2		2		4				1						1	2		1				13
		159	other metal manufacturing machines		23	14		11		9	14	16	8	8	7	14	7	5	9	5	10	9	6	16	10	6	207
	15	metal manufacturing machine		39	33	28	25	22	18	19	22	22	19	20	13	21	16	9	16	11	18	16	19	28	16	14	464
		161	centrifugal machine										1							1					1	1	4
		162	mixer, grinder		11	13		15		17	14	15	16	12	5	9	11	14	9	9	7	7	10	15	8	13	230
		163	roll machine (except printingroll machine)		2	5		2		3	2	3		3	1	2	3	2	2	1	3	1	2	1	2	4	44
		164	injection molding machine		13	6		13		6	10	12	10	7	3	7	3	6	6	7	4	4	3	3	4	7	134
		165	food manufacturing machine		13	6		16		7	8	6	4	11	8	8	9	5	9	8	7	8	6	10	15	6	170
		166	printing machine		9	8		6		6	8	6	3	8	2	6	5	6	4	4	3	4	4	5	7	6	110
		167	industrial robot		1	1				1	1	1			1		2	1	1		1	1	1		1	1	15
		169	other general power machines		101	94		92		92	100	102	76	81	75	84	72	83	72	79	65	71	75	81	83	82	1,660
	16	general machine		151	150	133	136	144	137	132	143	145	110	122	95	116	105	117	103	109	90	96	101	115	121	120	2,791
		171	felling machine																	6	9	7	2	4	10	10	48
		172	mobile logging machine																	8	5	9	7	7	7	4	47
		173	skyline yarding machine																	1	2				2	1	6
		179	other mobile silviculture machine																	1	1		1	1	3	1	8
	17	mobile silviculture machine																		16	17	16	10	12	22	16	109
1	machine			565	539	552		500		500	486	427	425	423	398	398	400	393	413	396	389	398	398	442	444	467	9,353
		211	crane		79	77		59		73	69	61	49	53	44	47	49	40	45	30	36	47	44	42	43	31	1,018
		212	mobile crane		234	204		207		185	133	157	174	142	128	136	121	146	136	132	158	142	142	157	149	149	3,132
		213	derrick crane		1	2							1		1				2								7
		214	elevator, lift		48	62		67		45	62	48	48	42	44	41	44	37	44	36	27	28	31	33	36	24	847
		215	cargo lifting appliance		3	2				4		1	1		1			1	1	2	1	1	1	1	4	3	27
		216	gondola		5	7		4		6	4	6	10	6	4	4	2	8	1	2	3	3	1	2	3	4	85
		217	lumberyard equipment, logging cableway		4	7		3		2	6	1	4	2	3	1	1		1	1	1	1	1	1	1	4	45
		218	simple skyline yarding equipment																				1			1	2
		219	other powered		31	19		20		13	15	14	17	9	19	13	14	8	11	9	9	9	12	9	10	9	270

			crane																								
	21	crane		361	405	380	333	360	325	328	289	288	304	254	244	242	231	240	241	212	235	231	233	245	246	225	6,452
		221	truck		5,459	5,467		5,172		5,090	5,118	5,027	4,832	4,262	4,381	4,299	4,350	4,582	4,621	4,505	4,474	4,680	4,827	4,736	4,744	4,869	95,495
		222	forklift		284	322		303		292	299	310	269	224	227	238	227	197	212	202	247	239	256	242	255	271	5,116
		223	railway equipment		2	2		2		1	7	4	3	1	2		5	5		3	2	4	2	5	5	2	57
		224	conveyor		63	61		58		76	49	55	41	37	43	39	42	49	49	47	37	44	35	44	52	58	979
		225	loader		18	19		17		16	17	7	15	16	12	12	12	12	15	11	21	14	16	14	14	21	299
		226	straddle carrier		1			1				2		1		1	3	1	2	2	2	1	1	1	1	3	23
		227	rough terrain hauler		9	15		9		14	9	5	12	11	5	7	6	10	4	15	7	11	7	14	9	12	191
		229	other powered conveying machines		96	93		78		77	84	91	73	69	73	86	81	63	82	43	55	76	67	68	45	60	1,460
	22	conveying machine		5,778	5,932	5,979	5,748	5,640	5,566	5,566	5,583	5,501	5,245	4,621	4,743	4,682	4,726	4,919	4,985	4,828	4,845	5,069	5,211	5,124	5,125	5,296	120,712
		231	cars, bus, motorcycle		154	158		154		169	178	171	183	163	185	167	137	158	155	177	188	171	212	220	164	190	3,454
		232	railway vehicle		15	13		15		22	15	9	13	19	13	13	14	12	10	10	12	15	16	16	12	22	286
		239	other vehicles		84	90		72		82	67	83	62	82	77	60	63	69	76	64	57	52	68	65	65	63	1,401
	23	vehicle		262	253	261	235	241	273	273	260	263	258	264	275	240	214	239	241	251	257	238	296	301	241	275	5,911
2	crane, conveying machine			6,401	6,590	6,620	6,316	6,241	6,164	6,167	6,132	6,052	5,807	5,139	5,262	5,164	5,171	5,398	5,467	5,291	5,337	5,538	5,740	5,670	5,612	5,796	133,075
		311	boiler		2	5		2		4	3	3		2	2	3	4	3	1	1		2	1		1	1	40
		312	pressure vessel		4			5		2		2	1	1	1	2	1	2		2	1	1	1	3	1	2	32
		319	other pressure vessels		1	2		1		4		3	1	2	1	3	2				5				2	2	29
	31	pressure vessel		6	7	7	6	8	8	10	3	8	2	5	4	8	7	5	1	3	6	3	2	3	4	5	121
		321	chemical facilities		5	1		2		7	3	7	4	5	7	2	4	4	5	5	5	1	3	2	6	6	84
	32	chemical facilities		2	5	1	6	2	7	7	3	7	4	5	7	2	4	4	5	5	5	1	3	2	6	6	99
		331	gas welding equipment		2			1			2	1		1				2				1		3	1		14
		332	arc welding equipment			2							2	1	1	1	1		1	1			1				11
		339	other welding equipment		1						2		1								1	1					6
	33	welding equipment		1	3	2	3	1	2		4	1	3	2	1	1	1	2	1	1	1	2	1	3	1		37
		341	kiln, caldron		14	13		6		8	4	5	6	8	8	9	5	5	4	9	2	7	4	6	5	2	130
		342	industrial dryer		3	2		2		4	1	4	5	1	3	3	2	3	3	2	4	3	2	3	5	1	56
		349	other kiln, caldron		3	1		2			4		1	1		1		1					1		1	1	17
	34	kiln, caldron		9	20	16	12	10	15	12	9	9	12	10	11	13	7	9	7	11	6	10	7	9	11	4	239
		351	transmission		10	7		13		9	11	9	7	5	5	10	4	12	9	3	6	14	6	9	5	14	168
		352	electric power facilities		1	1				3	1		1	1	2			1	1	1	1	1	2		1	4	22
		359	other electrical equipment		4	6		3		3	1	3	3	3	1	1	3	3	6	4	7	7		1	2	3	64
	35	electric equipment		24	15	14	23	16	15	15	13	12	11	9	8	11	7	16	16	8	14	22	8	10	8	21	316
			human power																								

		361	cranes		8	6		6		8	3	2	3	3	2	1	1	1	4		2	2	1	16	20	15	104
		362	human power hauling equipment		64	50		59		62	45	64	55	61	41	50	49	56	47	53	50	57	77	67	62	71	1,140
		363	human power machine		9	7		7		3	2	3	5		1	1	3	2		2	1	2	1	2	2	4	57
		364	hand tool		16	17		11		24	24	22	17	11	11	11	10	10	10	7	14	9	12	11	10	11	268
	36	human power machine, tools		91	97	80	90	83	94	97	74	91	80	75	55	63	63	69	61	62	67	70	91	96	94	101	1,844
		371	ladder		5,034	5,102		4,927		4,886	4,914	4,842	4,750	4,479	4,381	4,549	4,628	4,523	4,583	4,394	4,501	4,508	4,716	4,890	4,851	4,911	94,369
		372	slinging tool		20	23		18		23	19	23	17	11	11	7	15	6	6	9	6	8	9	4	13	8	256
		379	other tools		320	385		347		351	388	380	426	358	299	326	309	286	336	329	377	389	403	421	418	415	7,263
	37	tools		5,492	5,374	5,510	5,267	5,292	5,306	5,260	5,321	5,245	5,193	4,848	4,691	4,882	4,952	4,815	4,925	4,732	4,884	4,905	5,128	5,315	5,282	5,334	117,953
		391	other equipments, facilities		229	263		250		261	281	320	317	301	286	285	278	301	296	313	320	314	305	358	363	355	5,996
	39	other equipments, facilities		235	229	263	236	250	274	261	281	320	317	301	286	285	278	301	296	313	320	314	305	358	363	355	6,741
3	other equipment			5,860	5,750	5,893		5,662		5,662	5,708	5,693	5,622	5,255	5,063	5,265	5,319	5,221	5,312	5,135	5,303	5,327	5,545	5,796	5,769	5,826	115,986
		411	scaffolding		2,089	1,888		1,689		1,583	1,546	1,510	1,288	947	830	993	985	1,068	1,083	947	849	830	828	873	738	691	23,255
		412	timbering		66	80		54		48	55	51	48	34	33	31	28	29	33	35	31	16	33	23	21	23	772
		413	stairs, landing stage		2,737	2,923		3,160		3,084	3,309	3,101	3,141	2,943	2,707	2,788	2,888	2,822	3,021	3,041	3,250	3,301	3,322	3,556	3,484	3,596	62,174
		414	opening		438	466		415		416	444	429	405	400	343	337	380	354	342	364	395	344	416	428	413	404	7,933
		415	roof, beam, haze, crossbeam, principal rafter		1,833	1,852		1,638		1,603	1,440	1,157	1,151	969	1,026	1,162	1,169	1,094	1,016	920	894	845	931	827	719	677	22,923
		416	working platform, boot board		872	839		745		631	723	750	698	555	559	566	543	514	544	536	513	549	519	480	470	516	12,122
		417	passage		338	377		367		413	431	349	310	296	266	316	309	300	317	325	336	305	399	345	368	417	6,884
		418	building, establishment		1,644	1,698		1,390		1,408	1,503	1,468	1,390	1,179	1,212	1,254	1,206	1,205	1,201	1,164	1,145	1,248	1,262	1,112	1,114	1,077	25,880
		419	other temporary buildings, establishments		585	534		522		587	580	520	552	461	460	488	512	457	520	496	477	442	501	556	552	507	10,309
	41	temporary buildings, establishments		10,706	10,602	10,657	9,994	9,980	10,109	9,773	10,031	9,335	8,983	7,784	7,436	7,935	8,020	7,843	8,077	7,828	7,890	7,880	8,211	8,200	7,879	7,908	203,061
4	temporary buildings, establishments			10,706	10,602	10,657	9,994	9,980	10,109	9,773	10,031	9,335	8,983	7,784	7,436	7,935	8,020	7,843	8,077	7,828	7,890	7,880	8,211	8,200	7,879	7,908	203,061
		511	explosive substance			1					2				1			1									5
		512	inflammable substance																				1				1
		513	inflammable gas		1						1																2
		514	harmful substance			1				1	1		1	1		1			3						1		10
		515	radiation																								
		519	other hazards, harmful substances		1			1		1	2	1	1	1				1		1				1	1	1	13
		hazards, harmful																									

	51	substances	3	2	2	1	1	1	2	6	1	2	2	1	1		2	3	1			1	1	2	1	36
		521 metal material		212	195		162		160	168	151	154	113	82	89	93	100	94	80	101	88	106	98	85	66	2,397
		522 lumber, bamboo		148	104		104		120	91	99	82	68	69	59	62	65	58	50	66	47	57	43	46	53	1,491
		523 stone, sand, substance		21	19		17		17	10	11	10	11	14	8	5	12	16	5	8	6	13	9	8	9	229
		529 other materials		61	62		37		41	42	42	36	22	23	20	28	34	29	34	14	18	32	16	22	30	643
	52	materials	415	442	380	362	320	322	338	311	303	282	214	188	176	188	211	197	169	189	159	208	166	161	158	5,859
5	substance, material		418	444	382	363	321	323	340	317	304	284	216	189	177	188	213	200	170	189	159	209	167	163	159	5,895
		611 load		443	495		437		413	417	402	375	341	269	282	303	304	278	264	253	275	279	306	293	335	6,764
		612 machine/equipment as load		30	41		40		25	15	23	26	16	16	17	16	18	14	10	16	12	4	14	17	13	383
	61	load	462	473	536	465	477	468	438	432	425	401	357	285	299	319	322	292	274	269	287	283	320	310	348	8,542
6	load		462	473	536	465	477	465	438	432	425	401	357	285	299	319	322	292	274	269	287	283	320	310	348	8,539
		711 natural ground, rock		430	410		372		307	301	299	301	294	293	281	298	271	258	281	263	291	244	257	265	254	5,970
		712 standing tree		248	233		221		203	212	231	210	216	233	214	199	204	191	209	173	168	191	148	158	147	4,009
		713 water		8	5		16		6	13	5	7	12	4	6	10	9	8	4	7	6	13	9	11	5	164
		714 abnormal environment			1							2			2	1				1			1	2	1	11
		715 high/cold temperature environment		5	16		4		3	17	2	4	1	4	1	13	5	10	2		1	6		4	6	104
		719 other environments		267	303		197		226	208	171	224	218	220	223	239	211	238	215	218	235	248	234	248	265	4,608
	71	natural environment	1,043	958	968	847	810	826	745	751	708	748	741	754	727	760	700	705	711	662	701	702	649	688	678	17,582
7	environment		1,043	958	968	847	810	847	745	751	708	748	741	754	727	760	700	705	711	662	701	702	649	688	678	17,603
		911 other causal agent		107	90		84		61	113	85	61	49	51	63	60	63	53	64	38	59	78	56	51	42	1,328
	91	other causal agent	116	107	90	70	84	72	61	113	85	61	49	51	63	60	63	53	64	38	59	78	56	51	42	1,586
		921 no causal agent		32	56		35		31	50	26	37	38	16	20	33	20	25	30	15	21	43	43	59	59	689
	92	no causal agent	43	32	56	42	35	30	31	50	26	37	38	16	20	33	20	25	30	15	21	43	43	59	59	804
		999 unclassifiable		12	8		8		13	9	9	11	4	4	3	5	9	7	7	2	4	12	3	2	3	135
	99	unclassifiable	13	12	8	11	8	9	13	9	9	11	4	4	3	5	9	7	7	2	4	12	3	2	3	168
9	others		172	151	154	123	127	111	105	172	120	109	91	71	86	98	92	85	101	55	84	133	102	112	104	2,558
0	total		25,627	25,507	25,762	24,262	24,118	24,193	23,730	24,029	23,064	22,379	20,006	19,458	20,051	20,275	20,182	20,551	19,906	20,094	20,374	21,221	21,346	20,977	21,286	508,398

Data of 2011 year include Industrial accidents caused by Great East Japan Earthquake in 2011.

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

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