

Relation between causal agents and code no. 00 total as type of Fatal and non-fatal accidents in 1999-2020

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	total
		111	engine		74	61		44		43	36	47	44	35	32	27	51	31	24	33	32	38	38	31	19	740
	11		engine	60	74	61	42	44	52	43	36	47	44	35	32	27	51	31	24	33	32	38	38	31	19	894
		121	power transmission mechanism		588	552		473		511	456	440	445	379	401	377	374	367	338	392	319	363	351	301	293	7,720
	12		power transmission mechanism	655	588	552	532	473	460	511	456	440	445	379	401	377	374	367	338	392	319	363	351	301	293	9,367
		131	circular sawing machine		2,620	2,370		2,172		1,776	1,641	1,555	1,419	1,199	1,182	1,153	1,094	1,065	1,028	870	839	777	774	805	721	25,060
		132	band sawing machine		293	235		189		163	118	141	113	104	78	96	79	81	78	69	61	58	59	41	60	2,116
		133	wood planer machine		624	575		462		360	324	276	325	238	229	219	178	184	163	138	143	128	138	121	131	4,956
		134	hollow chisel mortiser, wood borer		105	131		86		66	53	66	53	43	37	33	35	42	31	36	30	26	33	18	25	949
		135	chamfering machine, router, woodworking milling machine		120	110		96		68	62	66	60	45	34	42	34	36	39	32	31	25	43	25	23	991
		136	chain saw		665	646		721		639	604	698	651	689	690	631	571	502	541	503	449	431	407	427	461	10,926
		139	other woodworking machines		1,217	1,023		878		763	680	713	634	519	518	551	524	483	475	411	436	390	374	387	349	11,325
	13		woodworking machine	5,803	5,644	5,090	4,652	4,604	4,152	3,835	3,482	3,515	3,255	2,837	2,768	2,725	2,515	2,393	2,355	2,059	1,989	1,835	1,828	1,824	1,770	70,930
		141	leveling, transporting or loading machine		390	407		381		346	347	306	295	260	293	268	287	279	235	272	251	270	277	234	237	5,635
		142	excavating machine		1,237	1,108		913		942	823	752	752	663	645	671	696	681	690	573	567	586	593	653	672	14,217
		143	foundation work machine		125	107		80		86	87	69	63	54	53	56	64	62	62	70	61	57	64	51	61	1,332
		144	hardening machine		136	175		137		96	111	100	99	88	99	74	78	64	83	84	79	57	52	66	52	1,730
		145	demolition machine		144	131		126		131	125	119	120	112	98	104	105	171	186	192	193	181	164	171	162	2,735
		146	vehicle for high lift work		85	91		95		98	114	112	119	105	92	90	88	81	89	102	105	95	78	119	100	1,858
		149	other construction machines		452	460		388		421	364	330	337	313	292	327	331	322	297	212	227	180	198	168	173	5,792
	14		construction machine	2,829	2,569	2,479	2,311	2,120	2,126	2,120	1,971	1,788	1,785	1,595	1,572	1,590	1,649	1,660	1,642	1,505	1,483	1,426	1,426	1,462	1,457	40,565
		151	lathe		516	527		424		395	433	363	385	287	298	306	338	267	241	284	244	210	249	227	222	6,216
		152	drill press, milling machine		712	680		572		558	536	510	494	319	327	323	298	300	299	314	286	232	250	229	220	7,459
		153	grinding machine, buffing machine		855	849		797		755	726	816	749	599	633	689	620	561	603	565	569	549	562	560	521	12,578
		154	power press		1,379	1,119		1,116		1,030	973	904	785	527	559	649	651	586	602	565	517	559	524	503	452	14,000
		155	forging pressure hammer		35	30		17		25	21	19	26	16	18	12	12	12	11	12	12	14	10	15	11	328
		156	shearing machine		242	194		213		176	156	189	160	144	141	120	141	102	132	105	125	95	101	95	91	2,722
		159	other metal manufacturing machines		1,927	1,716		1,480		1,353	1,415	1,341	1,191	821	921	981	956	931	931	796	779	844	831	817	725	20,756

		227	hauler		39	48		41		33	31	19	37	43	20	23	17	22	25	28	18	34	25	30	23	556
		229	other powered conveying machines		704	665		647		623	623	587	543	444	527	521	498	465	478	408	409	464	460	430	376	9,872
	22		conveying machine	16,292	16,779	16,467	15,654	15,780	15,278	15,025	14,945	14,537	13,860	11,828	12,217	12,312	12,357	12,580	12,431	12,066	11,952	12,379	12,519	12,422	12,288	301,968
		231	cars, bus, motorcycle		7,404	7,633		7,718		9,931	10,039	9,761	9,414	8,828	8,854	8,431	8,516	8,509	8,496	8,281	8,279	8,179	8,396	7,913	7,311	161,893
		232	railway vehicle		76	72		64		92	83	65	73	75	64	71	64	91	65	50	67	74	65	81	65	1,357
		239	other vehicles		860	793		770		801	758	861	702	660	636	644	713	565	560	539	489	513	488	493	395	12,240
	23		vehicle	8,378	8,340	8,498	8,465	8,552	8,901	10,824	10,880	10,687	10,189	9,563	9,554	9,146	9,293	9,165	9,121	8,870	8,835	8,766	8,949	8,487	7,771	201,234
	2		crane, conveying machine	27,703	28,227	27,961	26,939	27,092	26,804	28,513	28,370	27,643	26,454	23,289	23,632	23,297	23,472	23,573	23,407	22,644	22,459	22,792	23,250	22,711	21,673	551,905
		311	boiler		24	28		19		32	27	36	17	23	23	14	18	19	22	7	13	14	16	17	10	379
		312	pressure vessel		61	65		52		42	39	35	39	36	24	29	41	26	18	29	31	38	22	29	23	679
		319	other pressure vessels		100	117		105		76	63	76	82	71	54	61	75	59	63	47	65	49	55	38	41	1,297
	31		pressure vessel	188	185	210	167	176	149	150	129	147	138	130	101	104	134	104	103	83	109	101	93	84	74	2,859
		321	chemical facilities		43	27		44		57	45	40	40	26	25	33	33	17	38	29	32	24	43	30	21	647
	32		chemical facilities	47	43	27	47	44	59	57	45	40	40	26	25	33	33	17	38	29	32	24	43	30	21	800
		331	gas welding equipment		109	96		83		97	57	84	70	85	64	66	57	53	53	54	50	56	82	65	40	1,321
		332	arc welding equipment		82	107		87		102	97	120	102	96	65	69	64	84	79	69	87	63	73	64	69	1,579
		339	other welding equipment		153	140		112		106	107	97	115	54	55	48	76	77	86	70	70	68	59	67	59	1,619
	33		welding equipment	355	344	343	322	282	299	305	261	301	287	235	184	183	197	214	218	193	207	187	214	196	168	5,495
		341	kiln, caldron		193	205		203		181	182	174	185	173	194	144	151	174	146	145	119	169	170	215	172	3,295
		342	industrial dryer		28	29		20		30	24	21	25	29	21	26	23	25	27	16	16	29	16	28	25	458
		349	other kiln, caldron		32	30		37		12	31	24	24	25	16	18	19	20	30	35	30	23	22	21	17	466
	34		kiln, caldron	231	253	264	242	260	246	223	237	219	234	227	231	188	193	219	203	196	165	221	208	264	214	4,938
		351	transmission		135	117		96		116	101	136	142	115	88	101	140	112	123	140	139	163	185	173	138	2,460
		352	electric power facilities		64	73		64		65	50	72	66	51	72	50	56	49	60	47	45	42	59	38	45	1,068
		359	other electrical equipment		125	138		108		106	96	85	105	72	86	99	65	91	89	76	92	88	91	90	116	1,818
	35		electric equipment	337	324	328	292	268	315	287	247	293	313	238	246	250	261	252	272	263	276	293	335	301	299	6,290
		361	human power cranes		96	113		115		100	94	97	95	57	66	82	60	65	72	56	62	64	84	406	573	2,357
		362	human power hauling equipment		2,397	2,616		2,770		3,102	3,296	3,420	3,635	3,281	3,464	3,532	3,714	3,654	3,796	3,821	4,249	4,281	4,593	4,493	4,528	68,642
		363	human power machine		180	189		124		126	130	124	114	85	106	96	100	113	110	101	85	100	85	94	94	2,156
		364	hand tool		4,709	4,784		4,451		4,138	4,052	4,077	3,730	3,324	3,333	3,201	3,492	3,406	3,245	3,145	2,972	2,987	3,122	3,068	3,121	68,357
	36		human power machine, tools	7,396	7,382	7,702	7,634	7,460	7,506	7,466	7,572	7,718	7,574	6,747	6,969	6,911	7,366	7,238	7,223	7,123	7,368	7,432	7,884	8,061	8,316	164,048
		371	ladder		5,829	5,867		5,651		5,610	5,653	5,613	5,464	5,041	5,061	5,199	5,309	5,269	5,250	5,034	5,086	5,178	5,410	5,571	5,621	102,716
		372	slinging tool		809	815		743		758	706	704	647	518	516	482	483	497	448	449	468	444	417	418	369	10,691
		379	other tools		3,806	4,022		4,131		4,233	4,572	4,534	4,848	3,873	3,945	4,220	4,080	4,303	4,371	4,481	4,733	5,066	5,109	5,568	5,180	85,075
	37		tools	10,618	10,444	10,704	10,094	10,525	10,553	10,601	10,931	10,851	10,959	9,432	9,522	9,901	9,872	10,069	10,069	9,964	10,287	10,688	10,936	11,557	11,170	229,747
		391	other equipments,		2,643	2,715		2,433		2,923	2,961	3,086	3,150	2,827	3,123	2,931	3,101	3,143	3,266	3,190	3,338	3,103	3,348	3,368	3,476	58,125

	714	abnormal environment		41	46		40		41	41	44	45	27	44	59	83	65	26	35	51	55	65	31	32	871
	715	high/cold temperature environment		360	652		391		382	516	480	485	300	834	662	709	819	748	656	666	733	1,483	1,087	1,194	13,157
	719	other environments		2,351	2,851		2,368		2,848	2,605	2,174	2,515	2,351	2,608	3,021	3,294	3,407	3,944	2,924	3,321	3,484	3,968	2,987	3,230	56,251
	71	natural environment	6,264	6,088	6,737	5,681	5,774	5,877	5,855	5,682	5,216	5,535	5,181	5,939	7,487	6,346	6,498	6,792	5,704	5,942	6,169	7,445	5,950	6,388	134,550
7		environment	6,264	6,088	6,737	5,681	5,774	5,877	5,855	5,682	5,216	5,535	5,181	5,939	7,487	6,346	6,498	6,792	5,704	5,942	6,169	7,445	5,950	6,388	134,550
	911	other causal agent		3,394	3,019		2,891		3,115	3,431	3,206	3,367	2,797	2,859	3,365	3,088	3,168	3,141	3,386	3,190	3,603	3,374	3,672	9,486	67,552
	91	other causal agent	3,292	3,394	3,019	2,693	2,891	3,165	3,115	3,431	3,206	3,367	2,797	2,859	3,365	3,088	3,168	3,141	3,386	3,190	3,603	3,374	3,672	9,486	76,702
	921	no causal agent		3,975	4,210		4,855		5,155	5,163	5,291	5,589	5,959	6,155	6,093	6,428	6,291	6,478	6,749	6,613	7,514	8,635	8,939	10,065	120,157
	92	no causal agent	4,221	3,975	4,210	4,810	4,855	4,624	5,155	5,163	5,291	5,589	5,959	6,155	6,093	6,428	6,291	6,478	6,749	6,613	7,514	8,635	8,939	10,065	133,812
	999	unclassifiable		543	583		552		467	500	540	587	449	374	368	428	394	385	324	252	294	342	256	176	7,814
	99	unclassifiable	675	543	583	559	552	515	467	500	540	587	449	374	368	428	394	385	324	252	294	342	256	176	9,563
9		others	8,188	7,912	7,812	8,062	8,298	8,304	8,737	9,094	9,037	9,543	9,205	9,388	9,826	9,944	9,853	10,004	10,459	10,055	11,411	12,351	12,867	19,727	220,077
0		total	141,055	139,974	140,149	132,339	132,936	132,248	133,050	134,298	131,478	129,026	114,152	116,733	119,622	119,576	118,157	119,535	116,311	117,910	120,460	127,329	125,611	131,156	2,793,105

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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