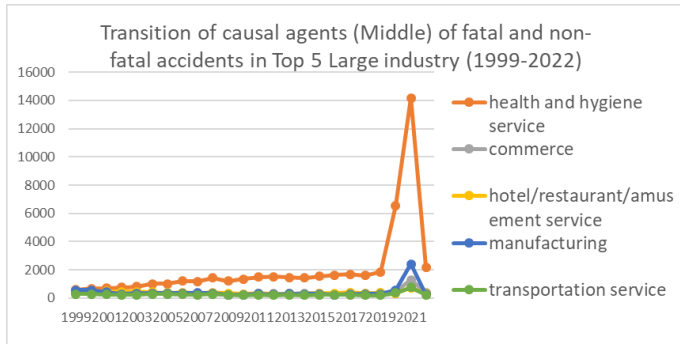
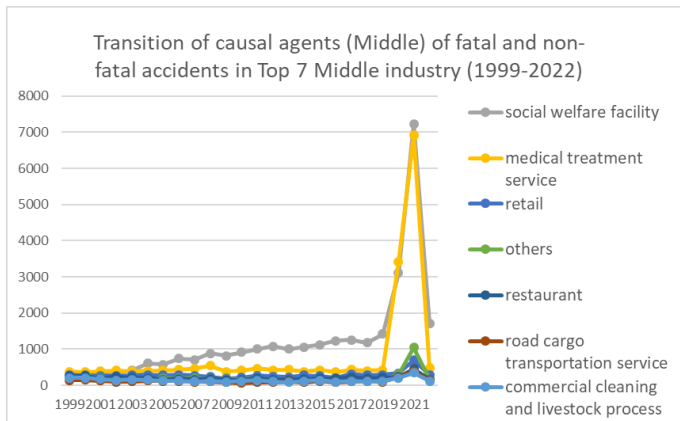


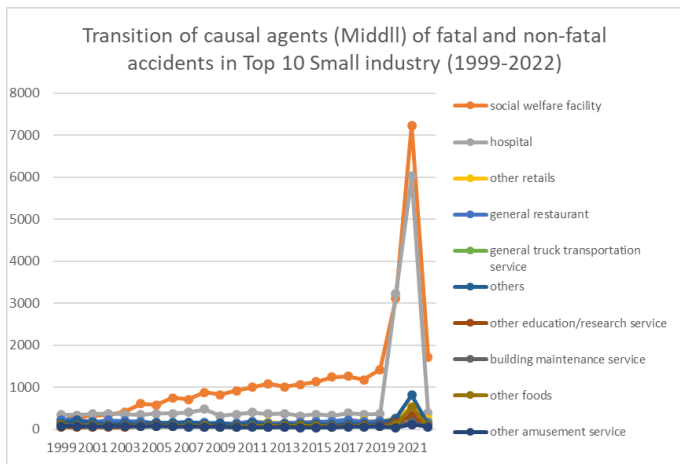
Transition of causal agents (Middle) of fatal and non-fatal accidents as code no. 91 other causal agent (1999-2022)



Transition of causal agents (Middle) of fatal and non-fatal accidents as code no. 91 other causal agent in Large industry (1999-2022)



Transition of causal agents (Middle) of fatal and non-fatal accidents as code no. 91 other causal agent in Middle Industry (1999-2022)



Transition of causal agents (Middle) of fatal and non-fatal accidents as code no. 91 other causal agent in Middle Industry (1999-2022)

Transition of causal agents (Middle) of fatal and non-fatal accidents as code no. 91 other causal agent in Large industry (1999-2022)

code	Large industry	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total	Large industry
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13	health and hygiene service	596	667	708	767	819	1,024	1,014	1,199	1,191	1,446	1,211	1,336	1,485	1,515	1,475	1,443	1,557	1,619	1,694	1,589	1,857	6,556	14,171	2,197	49,136	health and hygiene service
08	commerce	391	354	344	322	350	370	356	346	331	283	240	271	323	319	288	349	343	253	381	340	363	444	1,296	381	9,038	commerce
14	hotel/restaurant/amusement service	567	545	490	464	440	431	366	402	329	404	335	296	350	290	305	296	328	339	397	350	379	334	728	320	9,485	hotel/restaurant/amusement service
01	manufacturing	564	561	427	299	343	350	339	354	375	333	221	218	305	252	305	284	278	235	276	291	274	578	2,425	260	10,147	manufacturing
04	transportation service	281	292	269	233	243	292	275	265	240	277	237	198	233	206	230	207	235	222	233	203	201	366	771	219	6,428	transportation service
17	others	194	276	225	142	190	176	212	198	203	173	182	158	208	133	154	146	188	145	182	164	179	328	1,092	172	5,420	others
15	commercial cleaning and livestock process	199	206	167	138	155	151	128	124	101	110	98	111	132	103	84	119	133	97	111	101	110	197	342	116	3,333	commercial cleaning and livestock process
03	construction	234	225	162	127	148	117	118	125	115	83	79	69	92	68	95	88	86	83	116	107	64	266	1,218	96	3,981	construction
12	education/research service	52	44	54	42	43	82	89	66	68	63	47	60	57	50	63	53	76	50	69	76	84	171	351	84	1,894	education/research service
06	agriculture	36	51	41	28	33	31	14	14	22	20	27	20	27	22	28	34	21	31	27	23	24	24	49	37	684	agriculture
07	livestock/fishery	90	87	58	70	77	80	74	247	152	88	55	58	57	55	56	69	72	45	43	61	54	43	56	35	1,782	livestock/fishery
05	cargo handling service	35	31	21	9	9	13	11	11	12	13	7	8	16	13	13	11	16	13	18	11	21	23	102	29	466	cargo handling service
09	financial business/advertisement	36	37	38	36	27	30	17	29	20	34	26	25	30	22	37	21	20	33	31	27	27	78	189	26	896	financial business/advertisement
11	telecommunication service	2	6	1	1	3	3	72	41	30	29	25	23	41	29	30	16	22	18	17	23	28	62	142	21	685	telecommunication service
10	movie/play service		1	3	4		3	17	4	4	5	2	3	3	3	2	4	5	1	1	4	4	6	16	3	98	movie/play service
16	public office	9	9	8	8	11	11	10	5	10	6	5	5	4	7	2	1	4	6	6	4	3	8	4	2	148	public office
02	mining	6	2	3	3		1	3	1	3				2	1	1		2		1			2	1		32	mining
	total	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	22,953	3,998	103,653	total

Transition of causal agents (Middle) of fatal and non-fatal accidents as code no. 91 other causal agent in Middle industry (1999-2022)

code	Middle industry	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total	Middle industry
1302	social welfare facility	212	278	309	340	406	603	572	743	703	877	817	914	1,000	1,076	1,003	1,057	1,124	1,235	1,254	1,175	1,421	3,104	7,234	1,717	29,174	social welfare facility
1301	medical treatment service	374	367	392	412	391	395	415	432	465	546	376	405	460	419	436	373	420	365	431	402	422	3,425	6,908	473	19,504	medical treatment service
0802	retail	291	283	269	253	278	286	274	286	268	230	187	217	267	250	220	280	257	203	311	276	288	332	691	289	6,786	retail
1702	others	189	271	213	140	182	171	207	192	198	165	180	155	199	133	151	140	176	145	178	161	169	306	1,043	162	5,226	others
1402	restaurant	252	252	201	234	212	200	158	177	163	176	155	149	197	149	160	173	195	193	227	188	210	234	454	160	4,869	restaurant
0403	road cargo transportation service	135	147	125	92	105	121	113	110	98	103	79	58	83	82	100	86	111	84	106	116	98	224	398	130	2,904	road cargo transportation service
1501	commercial cleaning and livestock process	199	206	167	138	155	151	128	124	101	110	98	111	132	103	84	119	133	97	111	101	110	197	342	116	3,333	commercial cleaning and livestock process
1403	other amusement service	233	222	215	166	183	168	151	159	121	120	124	108	119	108	109	84	90	106	128	125	127	65	161	115	3,307	other amusement service
0101	food products	186	148	157	135	135	125	123	155	132	142	96	97	128	114	132	150	125	106	114	115	104	179	929	105	3,932	food products
1201	education/research service	52	44	54	42	43	82	89	66	68	63	47	60	57	50	63	53	76	50	69	76	84	171	351	84	1,894	education/research service
0402	road passenger transport service	102	118	108	118	110	125	125	119	120	141	115	106	117	100	108	89	101	111	106	61	87	122	213	81	2,703	road passenger transport service
0302	construction work	115	119	78	73	84	55	63	72	69	43	39	32	44	38	41	42	50	38	58	50	35	154	536	49	1,977	construction work
1401	hotel	82	71	74	64	45	63	57	66	45	108	56	39	34	33	36	39	43	40	42	37	42	35	113	45	1,309	hotel
0804	other commerce	26	30	31	21	29	22	23	20	21	21	26	21	19	23	21	20	30	19	30	31	25	47	219	45	820	other commerce
0801	wholesale	69	37	40	39	38	60	51	30	36	26	21	25	27	35	42	37	39	24	34	30	34	53	251	30	1,108	wholesale
0117	other manufacturing	53	42	39	27	27	43	26	32	28	32	24	19	22	15	26	22	43	22	34	24	21	38	62	29	750	other manufacturing
0601	agriculture	16	26	18	14	12	17	8	10	5	10	10	11	11	14	11	20	11	24	18	13	20	13	45	29	386	agriculture

030201	steel frame/reinforced concrete house construction work	24	25	20	19	19	13	17	18	20	17	7	12	9	13	10	5	15	10	23	15	13	45	255	12	636	steel frame/reinforced concrete house construction work
010104	bread/cake products	18	10	12	11	15	10	11	13	19	16	11	6	15	14	18	13	13	9	16	8	14	10	155	11	448	bread/cake products
011209	other metal products	67	62	50	30	34	18	22	21	29	28	19	14	20	19	18	15	14	17	18	29	23	20	220	10	817	other metal products
150109	other cleaning and livestock process service	28	52	40	35	31	21	14	26	10	12	8	15	32	13	14	23	20	7	12	12	11	27	13	10	486	other cleaning and livestock process service
010102	fishery products	32	28	22	28	22	16	21	22	17	10	8	9	18	7	18	25	14	15	13	9	9	28	75	10	476	fishery products
011703	cleaning	6	12	14	7	5	10	10	10	10	13	2	2	7	3	9	7	14	9	9	6	8	18	14	10	215	cleaning
170101	dispatch service	5	5	12	2	8	5	5	6	5	8	2	3	9		3	6	12		4	3	10	22	49	10	194	dispatch service
150103	other waste disposal service	51	30	18	22	33	21	19	17	33	35	14	15	28	15	14	19	10	15	16	11	15	46	45	9	551	other waste disposal service
140209	other restaurants	31	29	29	21	22	14	18	20	20	18	19	13	18	11	12	22	19	11	11	16	18	37	45	9	483	other restaurants
040101	railroad service	26	20	23	16	13	18	26	26	19	29	30	22	25	18	14	20	20	16	15	18	15	20	140	8	597	railroad service
011301	machine products	22	28	19	11	13	16	16	12	13	24	7	14	11	13	15	11	13	7	10	9	16	24	110	8	442	machine products
080204	fuel retail	11	14	12	10	14	10	13	7	8	12	5	1	10	10	11	10	4	6	7	10	4	7	18	7	221	fuel retail
011403	electronics equipment and telecommunications apparatus	9	6	4	6	7	3	1	6	5	5	4	2	6	2	2		5	9	5	4	3	17	101	7	219	electronics equipment and telecommunications apparatus
011409	other electrical equipment	14	17	7	6	6	10	5	7	39	4	2	7	4	2	10	3	2	3	6	4	3	20	49	6	236	other electrical equipment
010899	other chemical products	8	6	7	2	6	6	5	2	11	6	5	4	1		4	2	4	6	5	5	7	2	63	6	173	other chemical products
010103	agricultural food products	11	6	8	4	2	9	7	5	6	7	6	3	5	7	4	4	7	2	4	8	2	2	13	6	138	agricultural food products
080205	newspaper retail	33	27	33	28	20	30	17	29	20	19	23	26	21	22	14	30	18	17	19	25	30	18	5	5	529	newspaper retail
010805	plastics products	15	15	6	1	11	16	6	8	9	8	4	7	7	5	7	3	5	4	5	9	9	20	41	5	226	plastics products
070201	fishery	23	22	12	16	12	5	9	15	14	12	6	6	6	5	5	10	11	3	6	5	6	2	9	5	225	fishery
080202	auto mobile retail	2	6	5	2	8	7	7	5	1	3	2	2	5	4	1	6	4	3	9	2	5	8	23	5	125	auto mobile retail
070209	other fishery	4	8	5	8	5	3	4	11	6	2	2		5	2	9	9	6	2	1	2	5	4	2	5	110	other fishery
040309	other land cargo transportation service	5	10	8	1	2	11	1	7	1	1	2	4	3	2	1	1	10	1	5	1	2	2	22	5	108	other land cargo transportation service
080203	furniture/fittings retail	3	4	2	1	2		1			3	1	1		2	1	1	3	1		3	1	3	4	5	42	furniture/fittings retail
130309	other health and hygiene service	7	21	7	13	18	25	25	19	21	19	15	14	23	19	34	8	9	15	8	10	12	24	25	4	395	other health and hygiene service
030302	machinery/apparatus setting work	6	5	9	2	1		4	2	2	4	2	5	1	2	11	8	3	1	4	4	2	18	112	4	212	machinery/apparatus setting work
030106	road construction work	14	16	11	8	8	10	7	7	3	3	3	3	6	1	4	3	2	4	5	5	1	5	45	4	178	road construction work
090209	other advertisement and mediator	5	4	6	5	2	3		6	3	7	2	4	7	1	3	5	2	10	6	4	2	25	55	4	171	other advertisement and mediator
060209	other forestry	13	11	16	7	14	8	4	2	8	6	9	8	9	5	8	7	6	2	5	3	3	4	1	4	163	other forestry
010901	cement products	14	14	9	6	7	12	8	3	6	3	3	3	4	2	2	1	5	2	4	2	4	6	24	4	148	cement products
060201	lumbering	7	14	7	7	7	6	2	2	9	4	8	1	7	3	9	7	4	5	4	7	1	7	3	4	135	lumbering
011509	other transport equipment products	6	9	4	3	1	5	6	1	2	7	2			5	1		1		3	2	2	11	33	4	108	other transport equipment products
010602	paper processing products	5	5	3	2	3	3	2	4	2	4	4	2	2	3	3	1			2	3	4	4	23	4	88	paper processing products
011401	heavy electrical equipment	1	1	1	1		2	5	2	3	3	1	3	7	1	1	1				1		1	11	4	50	heavy electrical equipment
030203	building facility construction work	15	16	7	11	6	9	1	7	3	5	3	5	6	3	1	3	7	5	5	3	2	10	115	3	251	building facility construction work
011701	auto mobile servicing	18	15	14	6	11	10	9	11	5	5	9	6	6	7	7	5	12	5	9	4	4	10	12	3	203	auto mobile servicing
090101	banking/trust business	7	8	6	11	6	6	3	6	4	6	5	5	6	3	22	1	2	5	5	7	6	24	39	3	196	banking/trust business
170202	information processing	3	2		1	4	2	5	1	1	2	4	2	3	2	2	4	1	5	6	6	5	11	80	3	155	information processing

	service																								service		
080101	all kinds of wholesale	16	9	14	7	3	10	7	3	6	1	3	3	2	3	4	7	3	1	1			3	18	3	127	all kinds of wholesale
010701	printing service	4	10	6	4	4	5	6	7	3	3	4		4	3	4	3	2	2	4	5	4	7	13	3	110	printing service
011402	electrical appliance	2	8	5	2	3	1	5	2	7	1	1	1	3	3	2	1	3	2	1	3	5	1	28	3	93	electrical appliance
010309	other fiber products	5	10	3	1	1	4	8		2	1	2			2	1	3	2	1		3		5	24	3	81	other fiber products
130301	bathroom	3	1		2	4	1	2	5	2	4	3	3	2	1	2	5	4	4	1	2	2	3	4	3	63	bathroom
010209	other textile products	9	5	4	2	1		1	3	1	1	1			1	3				3			3	15	3	56	other textile products
090109	other financial business	1	1	1	1	1	4	3	1	1		1	1		2	1	1				1	1	2	17	3	44	other financial business
040209	other passenger transport service	4	3	1	1	2	1	2	2		2								1		1	1		2	3	26	other passenger transport service
011603	city water service		2	1		1	1	2	1	1	1		1		1					2			2	2	3	21	city water service
030301	electricity/telecommunication work	13	8	8	3	6	8	4	3	2	5	5	5	5	2	5	8	2	2	4	7	2	13	115	2	237	electricity/telecommunication work
160101	public office	9	9	8	8	11	11	10	5	10	6	5	5	4	7	2	1	4	6	6	4	3	8	4	2	148	public office
010803	pharmaceuticals	4	5	3	4	1	1	2	3	4	1	5		12	4	3	1	2	1	3	5	2	9	55	2	132	pharmaceuticals
010801	non organic or organic chemical products	5	3	2	3	5	5	4	2	5	2		4	1	3	6	3	1	3	2	7	2	4	22	2	96	non organic or organic chemical products
011001	steel/iron/rolling products	3	6	3	3	7	7		1	3	2	1	1	2	3		1	2		2	5	2	3	37	2	96	steel/iron/rolling products
030110	water supply/sewage construction work	10	10	1	4	11	6		1	4	1	2	2	1	1	6	2		2	3	3		2	8	2	82	water supply/sewage construction work
011702	machine repair	6	3	4	1	3	6	2	2	3	4	4	1		1	2	2	3		5	1	2	1	6	2	64	machine repair
030109	land consolidation civil engineering work	6	8	4	2	4	2	2	3	2	2			2			1		2	2	1	1		10	2	56	land consolidation civil engineering work
120101	auto mobile practical training	1	2	2	2	2	4	1	1	1			1		1	1	1	1	1			2	5	19	2	50	auto mobile practical training
080301	haircut	1	1	1	2	1		1	3	1	3	3	1			1	5		3	3	2	2	2	7	2	45	haircut
100101	movie production and delivery service				2		2	16	4	4		1	1	1	1		1		1		2	1	2	2	2	43	movie production and delivery service
010402	plywood	2		2			1	3		1		1		1	1	1								24	2	39	plywood
011109	other nonferrous metal products		2		2	1	2	4			2		2		2		2	2	1	2	3	1	2	4	2	36	other nonferrous metal products
030107	river civil engineering work	1	1	2	1				1					3	1		1	2		3			2	10	2	30	river civil engineering work
040303	cargo/ light automobile transportation service		1									2								2		1	1	1	2	10	cargo/ light automobile transportation service
011601	electric utility service	4	2	3	1	1	1	4	1	6	1		1		1	1			2	2	2	1	25	71	1	131	electric utility service
010301	over/under wear	4	2	4	4		1	3	2	1		1	1		3	4			2	1	2	2	79	1	1	118	over/under wear
011501	ship building	4	4	6	2	3	4	5	2	1	2	3	1	4	3	1	7	1	3	1	4	2	29	12	1	105	ship building
050202	port cargo handling service	17	7	2	4	5	5	2	5	1	3	2	1	2	3		3	2	1	1	4	2	2	13	1	88	port cargo handling service
150105	livestock process service	3	7	3	3	10	3	3	3	2	3	3	6	7	3	2	1	1	4	1	2	2	2	7	1	82	livestock process service
010401	lumbering	6	9	2	2	10	3	7	1	4	3	2	1	3		4	2	1	2	1		2	1	13	1	80	lumbering
010909	other sand and stone products	9	4	7	3	7	1	4	1	3	4	3	2	1	2	1	1	4	1	3	1	2	2	9	1	76	other sand and stone products
011002	casting products	13	2	2	1	3	4	6	4	2		2	1	6	1	2	3	1	3	1	1		3	13	1	75	casting products
100109	other movie/play service		1	3	2		1				4	1	2	2	2	2	3	5		1	2	3	3	13	1	51	other movie/play service
010806	rubber products		9	1	2	4		1	4		1		2		2	2	2	2		2	1	3	5	5	1	49	rubber products
010501	wood furniture	4	3	3	1		1	1	3			1	1	2	2	4	1	1	2	1	1	1	2	1	1	37	wood furniture
010601	pulp/paper	1	1	1	1	1	2		3		2			1	2		1				1		1	18	1	37	pulp/paper
010902	glass products	6	6	2	1		1			5	2	1			1		1	1		2	3	1		3	1	37	glass products
010106	soft drinks	1	1	1	1	1	1	1	2	3	3	1	2	1	1			2		2	1			3	1	29	soft drinks

010809	chemical fertilizer products	3	2	1	1		2	1			1	1							1			15	1	29	chemical fertilizer products		
011602	city gas service	2	6		2		2	1	1		2	1	2		1	2		2		1		1	1	27	city gas service		
010609	other pulp/paper processing products	2	1	3	1		1	4	1	2	1	1		1		1		1	1			3	1	25	other pulp/paper processing products		
011101	nonferrous metals/rolling products		1	1		1		1	4	2		2	1		1	1		2	1	1		5	1	25	nonferrous metals/rolling products		
011102	nonferrous metals casting products	4		5			1		2	1	1		1				2			1		2	1	21	nonferrous metals casting products		
010808	painting products	1	1			2		1	1					1	2			1				9	1	20	painting products		
010709	other printing and bookbinding		2			1					1		2		2	1	1		1			2	5	1	19	other printing and bookbinding	
010804	petroleum/coal products			1	1	1				4	2			1			1		1		1	4		1	18	petroleum/coal products	
010509	other furniture	5	3	1	1	1						2			1			1	1				1	17	other furniture		
010903	pottery products	3	6	2			1						1		1							2	1	17	pottery products		
030101	hydroelectric plant construction work		1		1																	2	12	1	17	hydroelectric plant construction work	
090102	stock/commodity trade business						4	1		1					2			2				1	1	12	stock/commodity trade business		
010202	cotton-spinning	1		1	1										1	2	2			1			1	10	cotton-spinning		
040103	airline service	12	7	8	6	13	25	10	7	2	4	11	11	5	2	8	10	2	9	5	7	1		19		184	airline service
011203	metal press products	1	7	5	1	1	3	3	2	3	3			2	3	4	3	4	2	4	1	4		42		98	metal press products
011305	other precision machine products	2	5	5	4	2	1	2	3	3	3	2	4	14	2	3	1	1	3	2	1	4	3	27		97	other precision machine products
090201	traveling service		3	1	1		3				3	1	2	2	2	4	1	3	4	4	2	5	6	44		91	traveling service
040302	specific truck transportation service	10	8	3	4	7	4	4	5	3	3		2		2	5	2	2	1	7	7	3	1	6		89	specific truck transportation service
010409	other lumber and wood products	6	8	8	3	8	1	1	5	3	2	3	3	6	2	3	4	3	1	1	4	2	3	7		87	other lumber and wood products
030102	tunnel construction work	1						1			1	1						2	9		2	15	27		59	tunnel construction work	
120102	software service	1		3	2	1				7	1		3			1		1	2		3	6	27		58	software service	
011204	metal plating products	9	5	1	1	2	3	4	2	1	1	1	4		1		1	3			3	2	1	2		47	metal plating products
030105	bridge construction work		1		1	1		2	1		1	2	1	3			2				1	2	24		42	bridge construction work	
011009	other steel products	3	1	1	1		3	1	2		1	1			2	1	2		3	2	1	2		11		38	other steel products
030104	railway construction work	1					2	1	3		1			1		1		3	1		2	1	2	19		38	railway construction work
010105	alcoholic drinks	2	4	2	1		2	3	3	3	3	1	1	4		1		1		1	1		2	1		36	alcoholic drinks
050201	general harbor transportation service	5	4	2					2		1					1	1			1	2	1	1	10		31	general harbor transportation service
011303	optical instruments	2	1				1	1	1	3	1		1					1	1		3	9			25	optical instruments	
040409	other transportation service	5		3		1	2	1	3			1	1		2		1	1	2	1			1		25	other transportation service	
010203	weaving		3	3	2				2	3	2				1	1						1	2		20	weaving	
010204	dyeing	2	2	4	1		4			1	1						1	1				1	1		19	dyeing	
011503	railway vehicle products	1	1				1	2	2			1									1			9		18	railway vehicle products
020201	quarrying	2	1	1	2		1	2	1	2				1	1	1		1					1	1		18	quarrying
010807	leather products	2	2	1		3		2							1	2		1	2				1		17	leather products	
010702	bookbinding		1			1		1	3					1			1	1		1	2			3		15	bookbinding
040102	water transportation service	1		2	1	1	1			1			3	2		1				1					15	water transportation service	
030111	port/seaside construction work	1	1			3	1		1		1	1					1				1		3		14	port/seaside construction work	

010502	metal furniture	2	1			3			1									1			3				12	metal furniture	
011302	measuring instruments			1	1			1	1		1			3			1	1	1			1			12	measuring instruments	
010503	fittings	1	1			2			2				1			1		1		1				10	fittings		
010802	chemical fiber	1	1						1	1				1					1	2		2		10	chemical fiber		
011201	western tableware/cutting tool products		3	1		1		1				1					1		1	1				10	western tableware/cutting tool products		
010905	other ceramic products		1			1		1		1									1		4			9	other ceramic products		
011202	screw products	2	1			1	1					1					1		1					9	screw products		
030108	sand collapse prevention civil engineering work									1	1		1								1	5		9	sand collapse prevention civil engineering work		
080102	furniture/fittings wholesale	2		1									2								2	2		9	furniture/fittings wholesale		
010904	fire resisting products						2					1					1				2	2		8	fire resisting products		
011304	watch products				1	1	1															2		5	watch products		
020202	gravel digging	1	1				1										1				1			5	gravel digging		
020209	other quarrying	2							1				1					1						5	other quarrying		
050209	other harbor transportation service	2													1					1	1			5	other harbor transportation service		
100102	movie theatre						1			1											1	1		4	movie theatre		
150104	cremation service		1	1					1													1		4	cremation service		
010201	silk-reeling									1		1								1				3	silk-reeling		
020309	other mining	1		2																				3	other mining		
011704	tobacco products									1														1	tobacco products		
020301	metal mining				1																			1	metal mining		
030103	subway construction work														1									1	subway construction work		
011609	other electric/gas/water service																									other electric/gas/water service	
020101	general coal mining																									general coal mining	
020109	other coal mining																									other coal mining	
020302	petroleum mining																									petroleum mining	
	total	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	22,953	3,998	103,653	total

Data source : <https://anzeninfo.mhlw.go.jp/user/anzen/tok/anst00.html> (MHLW, Japan)

https://www.jisha.or.jp/english/statistics/202311_12.html