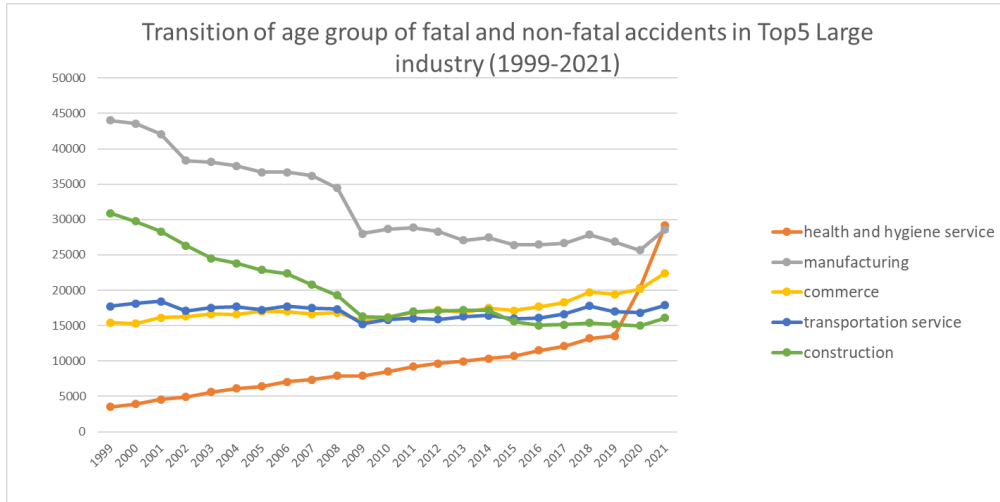
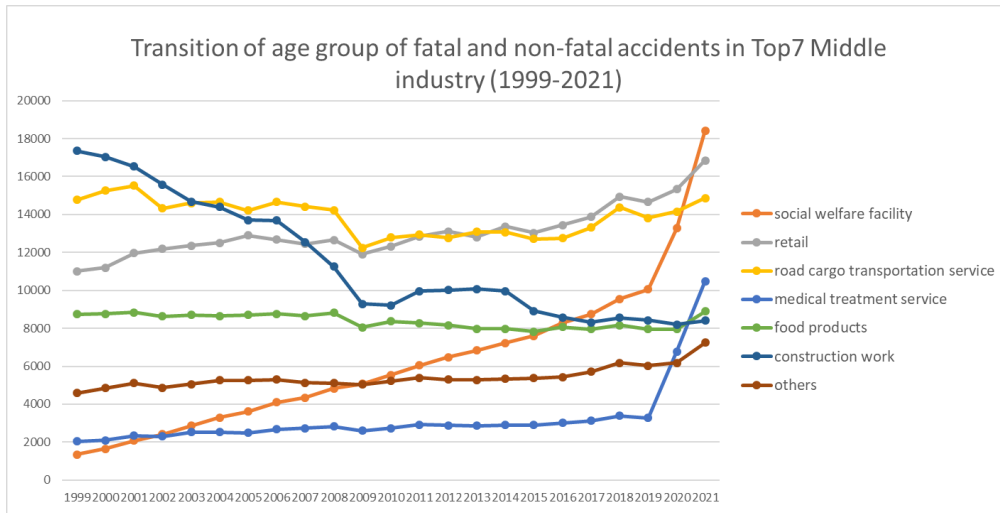


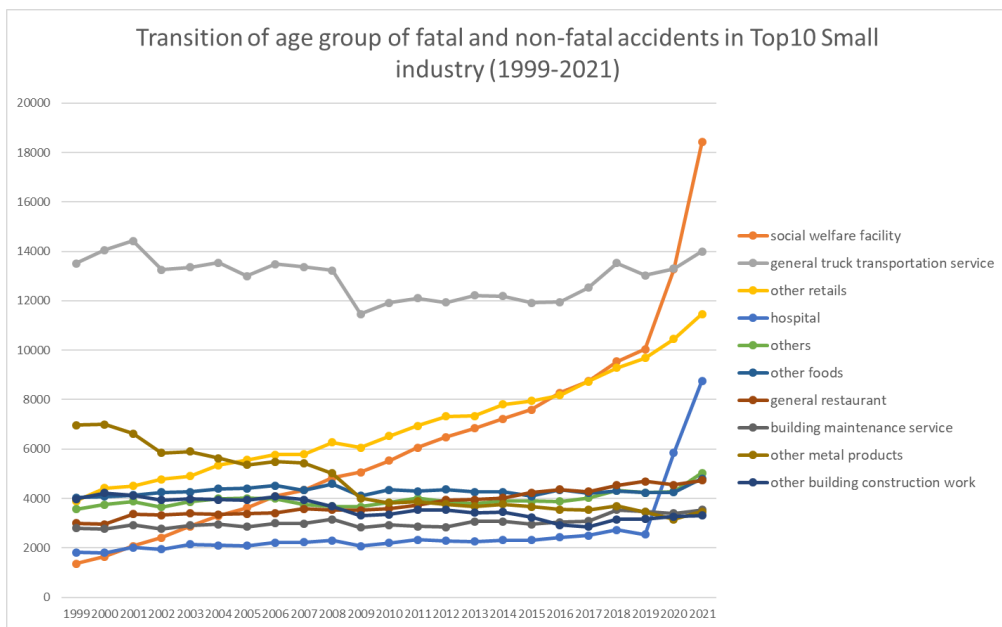
Transition of total age group of fatal and non-fatal accidents in industries (Large, Middle and Small) in Japan (1999-2021)



Transition of total age group of fatal and non-fatal accidents in Large industry (1999-2021)



Transition of total age group of fatal and non-fatal accidents in Middle Industry (1999-2021)



Transition of total age group of fatal and non-fatal accidents in Small Industry (1999-2021)

Transition of total age group of fatal and non-fatal accidents in Large industry (1999-2021)

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	total	Large industry
13	health and hygiene service	3,531	3,897	4,585	4,911	5,628	6,111	6,404	7,061	7,342	7,930	7,921	8,531	9,231	9,635	9,964	10,342	10,708	11,513	12,106	13,208	13,559	20,286	29,153	223,557	health and hygiene service
01	manufacturing	43,998	43,553	42,068	38,323	38,145	37,593	36,694	36,670	36,196	34,464	27,995	28,643	28,872	28,291	27,077	27,452	26,391	26,454	26,674	27,842	26,873	25,675	28,605	744,548	manufacturing
08	commerce	15,432	15,301	16,164	16,310	16,621	16,574	17,022	16,987	16,656	16,823	15,688	16,211	16,907	17,218	16,836	17,505	17,150	17,693	18,270	19,744	19,434	20,169	22,408	399,123	commerce
04	transportation service	17,711	18,120	18,439	17,108	17,540	17,689	17,259	17,740	17,464	17,354	15,253	15,861	16,048	15,908	16,303	16,421	15,976	16,087	16,622	17,783	16,968	16,859	17,867	390,380	transportation service
03	construction	30,905	29,747	28,284	26,299	24,543	23,809	22,869	22,386	20,764	19,280	16,268	16,143	16,983	17,073	17,189	17,184	15,584	15,058	15,129	15,374	15,183	14,977	16,079	457,110	construction
14	hotel/restaurant/amusement service	7,978	7,743	8,421	8,018	8,165	8,081	7,874	8,211	8,340	8,458	8,110	7,945	8,022	8,268	8,148	8,213	8,453	8,489	8,621	9,110	9,345	8,242	8,748	191,003	hotel/restaurant/amusement service
17	others	4,693	5,001	5,284	5,083	5,299	5,529	5,408	5,482	5,324	5,347	5,169	5,353	5,589	5,531	5,491	5,505	5,562	5,645	5,969	6,439	6,290	6,439	7,520	128,952	others
15	commercial cleaning and livestock process	5,855	5,819	5,993	5,825	6,166	6,077	6,014	6,198	6,088	6,395	5,630	5,768	5,829	5,772	6,037	5,989	5,834	6,018	5,953	6,450	6,617	6,781	6,807	139,915	commercial cleaning and livestock process
06	agriculture	4,120	4,013	3,944	3,775	3,828	3,630	3,313	3,095	3,315	3,252	3,354	3,518	3,367	3,142	2,984	2,854	2,853	2,821	2,608	2,764	2,686	2,810	2,795	74,841	agriculture
11	telecommunication service	150	114	117	317	554	792	3,711	4,117	3,681	3,524	3,125	2,986	2,876	2,860	2,513	2,469	2,220	2,396	2,393	2,523	2,252	2,362	2,425	50,477	telecommunication service
05	cargo handling service	1,544	1,531	1,656	1,543	1,606	1,566	1,628	1,629	1,606	1,628	1,302	1,386	1,435	1,407	1,392	1,486	1,449	1,516	1,729	1,772	1,937	1,992	2,245	36,985	cargo handling service
12	education/research service	699	717	760	737	738	837	942	882	962	965	907	900	888	914	937	912	948	991	1,092	1,090	1,200	1,307	1,728	22,053	education/research service
07	livestock/fishery	2,011	1,994	2,020	1,867	1,853	1,898	1,785	1,768	1,747	1,700	1,577	1,644	1,666	1,708	1,553	1,509	1,541	1,510	1,487	1,527	1,553	1,685	1,657	39,260	livestock/fishery
09	financial business/advertisement	1,623	1,710	1,695	1,597	1,628	1,542	1,434	1,517	1,509	1,472	1,446	1,446	1,510	1,454	1,339	1,277	1,270	1,366	1,419	1,304	1,279	1,185	1,401	33,423	financial business/advertisement

02	mining	557	510	495	371	372	319	355	322	310	249	231	218	218	197	239	244	209	184	209	214	203	199	216	6,641	mining
16	public office	157	136	144	152	179	134	257	140	104	100	94	98	95	108	78	89	65	87	102	101	100	112	141	2,773	public office
10	movie/play service	91	68	80	103	71	67	81	93	70	85	82	82	86	90	77	84	98	82	77	84	132	76	123	1,982	movie/play service
	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	149,918	2,943,023	total

Transition of total age group of fatal and non-fatal accidents in Middle industry (1999-2021)

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	total	Middle industry
1302	social welfare facility	1,356	1,649	2,069	2,411	2,869	3,291	3,621	4,091	4,338	4,829	5,065	5,533	6,054	6,480	6,831	7,224	7,597	8,281	8,738	9,545	10,045	13,267	18,421	143,605	social welfare facility
0802	retail	11,007	11,201	11,968	12,187	12,350	12,504	12,895	12,669	12,453	12,657	11,914	12,329	12,849	13,099	12,808	13,365	13,030	13,444	13,881	14,947	14,666	15,341	16,860	300,424	retail
0403	road cargo transportation service	14,765	15,259	15,518	14,327	14,610	14,661	14,210	14,666	14,425	14,237	12,238	12,782	12,936	12,771	13,094	13,073	12,720	12,747	13,308	14,376	13,821	14,153	14,869	319,566	road cargo transportation service
1301	medical treatment service	2,048	2,090	2,341	2,298	2,530	2,526	2,496	2,682	2,730	2,818	2,602	2,726	2,911	2,880	2,857	2,893	2,896	3,021	3,121	3,394	3,268	6,780	10,492	74,400	medical treatment service
0101	food products	8,750	8,763	8,846	8,631	8,697	8,655	8,700	8,763	8,643	8,820	8,050	8,369	8,267	8,170	7,979	7,975	7,831	8,061	7,963	8,162	7,963	7,958	8,890	192,906	food products
0302	construction work	17,360	17,037	16,538	15,581	14,673	14,404	13,703	13,694	12,539	11,245	9,290	9,208	9,958	10,021	10,069	9,955	8,909	8,569	8,306	8,554	8,417	8,194	8,403	264,627	construction work
1702	others	4,583	4,852	5,119	4,874	5,060	5,267	5,269	5,293	5,123	5,114	5,027	5,222	5,388	5,292	5,282	5,343	5,374	5,433	5,716	6,181	6,033	6,179	7,243	124,267	others
1501	commercial cleaning and livestock process	5,855	5,819	5,993	5,825	6,166	6,077	6,014	6,198	6,088	6,395	5,630	5,768	5,829	5,772	6,037	5,989	5,834	6,018	5,953	6,450	6,617	6,781	6,807	139,915	commercial cleaning and livestock process
1402	restaurant	3,347	3,357	3,793	3,725	3,856	3,781	3,856	3,896	4,055	4,055	4,015	4,021	4,170	4,375	4,416	4,477	4,687	4,791	4,721	5,015	5,141	4,953	5,095	97,598	restaurant
0301	civil engineering work	10,014	9,292	8,378	7,602	6,772	6,282	6,053	5,564	5,141	5,017	4,446	4,415	4,301	4,392	4,374	4,331	3,956	3,760	4,015	3,889	3,808	3,963	4,277	124,042	civil engineering work
0112	metal products	8,378	8,394	7,912	7,057	7,031	6,824	6,454	6,542	6,501	6,005	4,684	4,592	4,617	4,523	4,376	4,572	4,340	4,211	4,259	4,432	4,186	3,755	4,183	127,828	metal products
0303	other construction works	3,531	3,418	3,368	3,116	3,098	3,123	3,113	3,128	3,084	3,018	2,532	2,520	2,724	2,660	2,746	2,898	2,719	2,729	2,808	2,931	2,958	2,820	3,399	68,441	other construction works
0801	wholesale	3,081	2,726	2,883	2,743	2,824	2,680	2,683	2,768	2,723	2,576	2,288	2,406	2,490	2,507	2,494	2,503	2,403	2,503	2,623	2,850	2,772	2,818	3,045	61,389	wholesale
1101	telecommunication service	150	114	117	317	554	792	3,711	4,117	3,681	3,524	3,125	2,986	2,876	2,860	2,513	2,469	2,220	2,396	2,393	2,523	2,252	2,362	2,425	50,477	telecommunication service
0108	chemical products	2,916	2,891	2,791	2,443	2,558	2,482	2,517	2,469	2,508	2,417	1,895	1,959	2,130	2,001	1,869	1,949	1,844	1,919	1,990	2,120	2,039	1,993	2,301	52,001	chemical products
0402	road passenger transport service	2,396	2,301	2,366	2,183	2,299	2,303	2,377	2,390	2,296	2,496	2,455	2,492	2,555	2,481	2,594	2,708	2,654	2,702	2,616	2,716	2,489	2,156	2,270	56,295	road passenger transport service
1403	other amusement service	2,915	2,799	2,863	2,628	2,651	2,641	2,448	2,672	2,587	2,699	2,610	2,383	2,360	2,449	2,243	2,194	2,271	2,168	2,232	2,457	2,406	1,974	2,207	56,857	other amusement service
0117	other manufacturing	3,206	3,116	3,140	2,856	2,815	2,888	2,771	2,774	2,622	2,518	2,353	2,228	2,302	2,224	2,113	2,132	2,114	2,076	2,238	2,292	2,320	2,266	2,187	57,551	other manufacturing
0804	other commerce	1,246	1,257	1,201	1,261	1,325	1,255	1,313	1,413	1,353	1,467	1,367	1,347	1,435	1,479	1,424	1,499	1,559	1,608	1,617	1,783	1,840	1,827	2,154	34,030	other commerce
0115	transport equipment products	2,637	2,743	2,679	2,502	2,705	2,773	2,827	2,858	2,943	2,647	1,840	1,914	1,866	1,878	1,733	1,792	1,812	1,781	1,877	2,043	1,911	1,717	2,076	51,554	transport equipment

																											products
0113	machine products	3,177	2,991	2,989	2,625	2,661	2,667	2,660	2,732	2,657	2,520	1,687	1,892	2,058	1,898	1,763	1,850	1,752	1,676	1,701	1,820	1,742	1,532	1,881	50,931	machine products	
0501	land cargo handling service	970	958	1,066	992	1,060	1,057	1,139	1,184	1,154	1,206	995	1,033	1,062	1,063	1,096	1,137	1,165	1,230	1,398	1,442	1,561	1,662	1,863	27,493	land cargo handling service	
1201	education/research service	699	717	760	737	738	837	942	882	962	965	907	900	888	914	937	912	948	991	1,092	1,090	1,200	1,307	1,728	22,053	education/research service	
0601	agriculture	929	930	970	976	954	934	948	905	1,015	995	1,048	1,155	1,143	1,245	1,261	1,243	1,234	1,260	1,294	1,422	1,438	1,535	1,560	26,394	agriculture	
1401	hotel	1,716	1,587	1,765	1,665	1,658	1,659	1,570	1,643	1,698	1,704	1,485	1,541	1,492	1,444	1,489	1,542	1,495	1,530	1,668	1,638	1,798	1,315	1,446	36,548	hotel	
0109	sand and stone products	2,770	2,690	2,618	2,278	2,091	2,008	1,834	1,841	1,820	1,619	1,262	1,248	1,212	1,347	1,377	1,307	1,201	1,203	1,170	1,176	1,219	1,174	1,278	37,743	sand and stone products	
0602	forestry	3,191	3,083	2,974	2,799	2,874	2,696	2,365	2,190	2,300	2,257	2,306	2,363	2,224	1,897	1,723	1,611	1,619	1,561	1,314	1,342	1,248	1,275	1,235	48,447	forestry	
0701	livestock	1,139	1,153	1,195	1,071	1,044	1,115	1,094	1,101	1,070	1,121	1,034	1,049	1,069	1,129	1,017	992	1,009	1,021	1,022	1,093	1,099	1,239	1,209	25,085	livestock	
0114	electrical equipment products	1,444	1,553	1,423	1,301	1,262	1,360	1,271	1,329	1,347	1,285	844	1,011	1,028	948	865	892	877	976	977	1,020	972	972	1,199	26,156	electrical equipment products	
0104	wood products	3,604	3,422	3,048	2,486	2,533	2,375	2,284	2,093	2,006	1,739	1,463	1,446	1,462	1,438	1,365	1,350	1,233	1,206	1,191	1,196	1,161	1,045	1,124	42,270	wood products	
0901	financial business	1,503	1,564	1,538	1,431	1,456	1,359	1,270	1,362	1,353	1,282	1,268	1,269	1,308	1,270	1,150	1,091	1,077	1,148	1,199	1,093	1,045	984	1,115	29,135	financial business	
0106	pulp/paper processing products	1,324	1,340	1,283	1,252	1,219	1,117	1,060	1,062	1,048	1,003	800	856	790	831	776	763	755	747	721	766	745	709	802	21,769	pulp/paper processing products	
0110	steel making	1,251	1,276	1,212	1,049	980	1,105	1,117	1,053	1,081	1,076	674	838	862	811	715	769	660	687	684	748	694	605	716	20,663	steel making	
0401	railroad/water transportation/airline service	479	492	486	528	544	637	603	601	666	541	494	514	472	589	542	548	525	566	622	615	578	483	656	12,781	railroad/water transportation/airline service	
0107	printing/bookbinding	1,034	1,044	998	934	844	883	810	810	759	746	708	617	610	553	536	546	501	453	489	516	464	487	494	15,836	printing/bookbinding	
0702	fishery	872	841	825	796	809	783	691	667	677	579	543	595	597	579	536	517	532	489	465	434	454	446	448	14,175	fishery	
0502	harbor transportation service	574	573	590	551	546	509	489	445	452	422	307	353	373	344	296	349	284	286	331	330	376	330	382	9,492	harbor transportation service	
0105	furniture	1,335	1,285	1,126	1,089	1,077	913	866	809	794	699	552	571	562	499	520	521	451	443	381	440	409	416	363	16,121	furniture	
0803	haircut/beauty salon	98	117	112	119	122	135	131	137	127	123	119	129	133	133	110	138	158	138	149	164	156	183	349	3,280	haircut/beauty salon	
0111	nonferrous metal making	560	574	563	546	464	510	485	509	520	503	372	369	369	375	360	326	333	362	326	382	333	310	337	9,788	nonferrous metal making	
0102	textile products	860	759	744	688	624	532	525	537	433	426	387	334	345	362	361	344	330	330	358	359	348	282	286	10,554	textile products	
0902	advertisement and mediator	120	146	157	166	172	183	164	155	156	190	178	177	202	184	189	186	193	218	220	211	234	201	286	4,288	advertisement and mediator	
1701	dispatch service	110	149	165	209	239	262	139	189	201	233	142	131	201	239	209	162	188	212	253	258	257	260	277	4,685	dispatch service	
0116	electric/gas/water service	181	185	241	205	208	171	185	163	184	166	161	143	166	149	125	132	138	118	137	158	144	182	251	3,893	electric/gas/water service	

1303	other health and hygiene service	127	158	175	202	229	294	287	288	274	283	254	272	266	275	276	225	215	211	247	269	246	239	240	5,552	other health and hygiene service
0103	fiber products	571	527	455	381	376	330	328	326	330	275	263	256	226	284	244	232	219	205	212	212	223	272	237	6,984	fiber products
0202	quarrying	467	428	412	354	337	288	325	296	292	229	217	201	204	183	215	235	196	167	194	192	186	189	201	6,008	quarrying
1601	public office	157	136	144	152	179	134	257	140	104	100	94	98	95	108	78	89	65	87	102	101	100	112	141	2,773	public office
1001	movie/play service	91	68	80	103	71	67	81	93	70	85	82	82	86	90	77	84	98	82	77	84	132	76	123	1,982	movie/play service
0404	other transportation service	71	68	69	70	87	88	69	83	77	80	66	73	85	67	73	92	77	72	76	76	80	67	72	1,738	other transportation service
0203	other mining	29	36	33	15	30	29	25	24	15	18	11	15	10	11	18	7	12	15	12	16	17	10	13	421	other mining
0201	coal mining	61	46	50	2	5	2	5	2	3	2	3	2	4	3	6	2	1	2	3	6			2	212	coal mining
	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	149,918	2,943,023	total

Transition of total age group of fatal and non-fatal accidents in Small industry (1999-2021)

code	Small industry	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Small industry
130201	social welfare facility	1,356	1,649	2,069	2,411	2,869	3,291	3,621	4,091	4,338	4,829	5,065	5,533	6,054	6,480	6,831	7,224	7,597	8,281	8,738	9,545	10,045	13,267	18,421	143,605	social welfare facility
040301	general truck transportation service	13,514	14,048	14,424	13,252	13,357	13,533	12,999	13,482	13,362	13,232	11,465	11,916	12,107	11,936	12,221	12,194	11,911	11,943	12,525	13,529	13,034	13,292	13,991	297,267	general truck transportation service
080209	other retails	3,892	4,426	4,499	4,781	4,900	5,339	5,556	5,770	5,779	6,272	6,058	6,530	6,937	7,327	7,335	7,812	7,953	8,179	8,726	9,284	9,680	10,454	11,459	158,948	other retails
130101	hospital	1,812	1,808	2,018	1,943	2,147	2,103	2,087	2,208	2,222	2,300	2,073	2,194	2,333	2,282	2,250	2,308	2,313	2,430	2,504	2,733	2,543	5,842	8,765	61,218	hospital
170209	others	3,572	3,752	3,881	3,651	3,864	3,988	4,005	3,991	3,755	3,674	3,669	3,834	4,004	3,863	3,790	3,886	3,892	3,882	4,021	4,318	4,235	4,283	5,029	90,839	others
010109	other foods	4,036	4,078	4,138	4,250	4,257	4,393	4,401	4,519	4,334	4,591	4,110	4,343	4,290	4,360	4,266	4,259	4,087	4,350	4,213	4,308	4,234	4,250	4,799	98,866	other foods
140201	general restaurant	2,998	2,955	3,364	3,328	3,396	3,357	3,387	3,403	3,576	3,540	3,526	3,591	3,723	3,935	3,953	4,018	4,229	4,364	4,284	4,534	4,689	4,549	4,728	87,427	general restaurant
150101	building maintenance service	2,802	2,775	2,925	2,775	2,912	2,951	2,847	3,000	2,984	3,148	2,831	2,927	2,872	2,840	3,073	3,074	2,955	3,036	3,085	3,537	3,469	3,399	3,538	69,755	building maintenance service
011209	other metal products	6,967	7,001	6,626	5,847	5,895	5,633	5,360	5,483	5,428	5,018	4,004	3,825	3,878	3,763	3,676	3,766	3,661	3,549	3,538	3,694	3,457	3,157	3,464	106,690	other metal products
030209	other building construction work	3,983	4,220	4,117	3,941	3,983	3,951	3,933	4,084	3,944	3,675	3,311	3,358	3,543	3,540	3,427	3,452	3,237	2,923	2,859	3,152	3,166	3,270	3,304	82,373	other building construction work
080109	other wholesale	2,316	2,150	2,305	2,243	2,375	2,292	2,295	2,398	2,360	2,321	2,055	2,191	2,291	2,307	2,297	2,321	2,233	2,320	2,443	2,672	2,617	2,650	2,865	54,317	other wholesale
110101	telecommunication service	150	114	117	317	554	792	3,711	4,117	3,681	3,524	3,125	2,986	2,876	2,860	2,513	2,469	2,220	2,396	2,393	2,523	2,252	2,362	2,425	50,477	telecommunication service
030201	steel frame/reinforced concrete house construction work	4,462	4,593	4,556	4,531	3,990	4,069	3,937	4,106	3,858	3,338	2,322	2,179	2,654	2,720	2,854	2,996	2,526	2,431	2,427	2,463	2,351	2,110	2,288	73,761	steel frame/reinforced concrete house construction work
080201	all kinds of retail	3,538	3,333	3,681	3,718	3,837	3,658	3,675	3,445	3,355	2,912	2,596	2,527	2,543	2,373	2,222	2,160	2,046	2,067	1,907	2,097	1,916	1,887	2,142	63,635	all kinds of retail
030309	other construction works	1,862	1,818	1,739	1,682	1,733	1,745	1,801	1,788	1,739	1,652	1,359	1,375	1,548	1,522	1,574	1,723	1,686	1,721	1,720	1,835	1,859	1,752	2,142	39,375	other construction works
080205	newspaper retail	2,412	2,364	2,604	2,585	2,524	2,490	2,623	2,494	2,324	2,510	2,395	2,467	2,420	2,452	2,343	2,483	2,174	2,297	2,348	2,476	2,095	2,015	2,113	55,008	newspaper retail
170201	security service	956	1,047	1,196	1,171	1,144	1,215	1,213	1,264	1,310	1,378	1,297	1,324	1,324	1,349	1,420	1,386	1,401	1,472	1,603	1,760	1,698	1,792	2,059	31,779	security service
030199	other civil engineering work	4,012	3,886	3,525	3,225	2,918	2,769	2,643	2,488	2,351	2,268	2,044	2,178	2,112	2,184	2,095	2,078	1,898	1,819	1,976	1,967	1,845	1,926	2,053	56,260	other civil engineering work

030202	wooden house construction work	7,723	7,023	6,604	5,982	5,566	5,369	4,873	4,548	3,856	3,481	2,988	2,902	2,982	3,052	3,010	2,777	2,378	2,525	2,400	2,311	2,218	2,117	1,983	88,668	wooden house construction work	
050101	land cargo handling service	970	958	1,066	992	1,060	1,057	1,139	1,184	1,154	1,206	995	1,033	1,062	1,063	1,096	1,137	1,165	1,230	1,398	1,442	1,561	1,662	1,863	27,493	land cargo handling service	
011301	machine products	2,695	2,486	2,485	2,180	2,193	2,287	2,211	2,320	2,195	2,102	1,438	1,602	1,701	1,585	1,508	1,587	1,473	1,405	1,427	1,520	1,437	1,290	1,583	42,710	machine products	
060101	agriculture	929	930	970	976	954	934	948	905	1,015	995	1,048	1,155	1,143	1,245	1,261	1,243	1,234	1,260	1,294	1,422	1,438	1,535	1,560	26,394	agriculture	
120109	other education/research service	582	597	662	633	638	730	826	773	843	851	806	808	800	820	839	825	848	899	986	989	1,068	1,200	1,560	19,583	other education/research service	
150102	industrial waste management service	919	930	1,017	982	1,036	1,063	1,107	1,167	1,221	1,283	1,111	1,143	1,165	1,233	1,260	1,244	1,280	1,320	1,383	1,364	1,524	1,502	1,506	27,760	industrial waste management service	
140101	hotel	1,716	1,587	1,765	1,665	1,658	1,659	1,570	1,643	1,698	1,704	1,485	1,541	1,492	1,444	1,489	1,542	1,495	1,530	1,668	1,638	1,798	1,315	1,446	36,548	hotel	
040201	taxi service	1,792	1,718	1,731	1,553	1,622	1,571	1,624	1,624	1,516	1,679	1,702	1,675	1,696	1,632	1,718	1,780	1,794	1,773	1,706	1,710	1,563	1,389	1,418	37,986	taxi service	
080409	other commerce	906	892	828	875	919	863	927	991	916	1,003	956	949	991	982	911	997	1,000	1,060	997	1,168	1,174	1,142	1,373	22,820	other commerce	
011502	auto mobile products	1,464	1,578	1,534	1,416	1,630	1,715	1,837	1,833	1,841	1,607	973	1,119	1,145	1,188	1,103	1,106	1,097	1,069	1,177	1,320	1,180	976	1,368	31,276	auto mobile products	
010104	bread/cake products	1,165	1,158	1,235	1,154	1,205	1,144	1,189	1,158	1,277	1,254	1,147	1,221	1,097	1,127	1,131	1,107	1,130	1,165	1,175	1,209	1,136	1,120	1,305	27,009	bread/cake products	
070101	livestock	1,139	1,153	1,195	1,071	1,044	1,115	1,094	1,101	1,070	1,121	1,034	1,049	1,069	1,129	1,017	992	1,009	1,021	1,022	1,093	1,099	1,239	1,209	25,085	livestock	
010101	meat/dairy products	1,090	1,050	996	952	1,082	983	994	1,010	973	1,019	1,000	1,018	998	945	944	954	977	907	948	996	1,007	996	1,132	22,971	meat/dairy products	
010102	fishery products	1,534	1,622	1,577	1,473	1,407	1,348	1,330	1,295	1,275	1,199	1,098	1,099	1,210	1,080	998	1,040	1,051	1,014	971	935	958	1,000	1,014	27,528	fishery products	
150103	other waste disposal service	987	940	873	1,024	1,198	1,116	1,130	1,109	1,060	1,080	887	932	981	900	899	896	821	870	783	778	890	1,071	1,009	22,234	other waste disposal service	
140301	golf course	1,740	1,661	1,579	1,405	1,449	1,435	1,290	1,465	1,379	1,324	1,261	1,187	1,158	1,167	1,107	1,103	1,071	997	987	1,105	1,021	879	1,008	28,778	golf course	
140309	other amusement service	1,029	994	1,059	1,031	1,057	1,056	1,020	1,070	1,078	1,215	1,130	1,020	1,001	1,056	951	892	966	916	956	1,045	1,018	896	979	23,435	other amusement service	
010805	plastics products	1,205	1,165	1,197	988	1,074	1,025	1,039	1,023	1,080	1,069	828	839	940	888	830	867	853	892	908	972	884	861	971	22,398	plastics products	
011709	other manufacturing	1,282	1,278	1,283	1,200	1,160	1,237	1,141	1,142	1,065	1,036	997	917	920	911	839	887	827	794	859	958	941	905	877	23,456	other manufacturing	
130109	other medical treatment service	144	173	205	227	219	246	241	287	303	317	320	289	330	368	351	300	308	306	321	342	395	497	872	7,361	other medical treatment service	
030106	road construction work	2,087	1,905	1,754	1,508	1,350	1,282	1,233	1,029	902	930	868	768	821	794	792	806	767	709	744	695	743	747	862	24,096	road construction work	
130102	general clinic	92	109	118	128	164	177	168	187	205	201	209	243	248	230	256	285	275	285	296	319	330	441	855	5,821	general clinic	
030203	building facility construction work	1,192	1,201	1,261	1,127	1,134	1,015	960	956	881	751	669	769	779	709	778	730	768	690	620	628	682	697	828	19,825	building facility construction work	
060201	lumbering	1,974	1,869	1,700	1,589	1,641	1,590	1,449	1,405	1,416	1,398	1,309	1,395	1,340	1,179	1,088	1,046	1,054	1,049	857	898	816	824	827	29,713	lumbering	
040202	bus service	568	551	595	594	627	694	714	723	735	765	723	784	814	806	827	894	818	885	849	947	885	724	803	17,325	bus service	
090103	insurance business	1,131	1,195	1,202	1,123	1,117	1,007	952	1,071	1,021	952	954	982	993	995	855	833	857	886	918	845	800	697	782	22,168	insurance business	
080401	warehousing	340	365	373	386	406	392	386	422	437	464	411	398	444	497	513	502	559	548	620	615	666	685	781	11,210	warehousing	
010901	cement products	1,406	1,371	1,362	1,189	1,044	1,025	951	916	895	819	635	605	596	676	754	729	615	637	620	677	676	677	728	19,603	cement products	
150109	other cleaning and livestock process service	1,091	1,086	1,106	959	950	886	852	858	774	810	714	698	730	733	731	710	726	721	656	715	686	763	691	18,646	other cleaning and livestock process service	
	electricity/telecommunication																										electricity/telecommunication

030301	work	940	825	852	758	698	730	655	696	679	713	627	627	657	607	634	622	560	509	583	567	572	573	677	15,361	work
030302	machinery/apparatus setting work	729	775	777	676	667	648	657	644	666	653	546	518	519	531	538	553	473	499	505	529	527	495	580	13,705	machinery/apparatus setting work
011701	auto mobile servicing	1,022	976	915	822	806	779	766	771	711	626	617	587	643	593	554	551	526	555	593	554	585	586	556	15,694	auto mobile servicing
080204	fuel retail	760	650	736	688	673	641	628	548	584	542	466	443	557	513	476	478	446	462	476	544	509	469	556	12,845	fuel retail
011703	cleaning	497	450	509	477	486	501	490	522	532	517	463	486	487	458	499	461	523	529	548	559	574	560	528	11,656	cleaning
011409	other electrical equipment	676	733	634	581	563	655	553	640	657	578	356	465	440	429	385	377	382	428	439	457	455	428	506	11,817	other electrical equipment
040101	railroad service	327	304	277	275	325	338	324	348	337	316	319	307	303	341	339	297	289	286	315	310	315	331	501	7,424	railroad service
010401	lumbering	1,941	1,775	1,561	1,284	1,266	1,212	1,136	960	951	820	693	686	680	654	593	615	542	487	528	510	506	455	496	20,351	lumbering
010602	paper processing products	779	755	775	776	748	685	622	621	645	598	486	524	489	535	481	457	435	474	470	465	474	448	489	13,231	paper processing products
011403	electronics equipment and telecommunications apparatus	436	500	447	389	398	389	397	367	406	376	279	303	332	292	274	306	282	312	308	327	298	342	464	8,224	electronics equipment and telecommunications apparatus
010409	other lumber and wood products	1,351	1,342	1,219	949	1,035	933	917	891	819	727	620	611	615	610	592	588	556	556	523	537	507	453	460	17,411	other lumber and wood products
080202	auto mobile retail	241	272	265	273	270	255	282	264	277	271	275	255	261	315	308	321	256	299	287	393	342	344	454	6,780	auto mobile retail
011203	metal press products	906	956	796	756	706	793	682	669	656	577	402	452	415	455	403	473	428	403	419	439	424	353	445	13,008	metal press products
040302	specific truck transportation service	755	629	544	582	650	497	524	531	473	446	337	402	385	403	423	432	375	368	371	398	398	429	418	10,770	specific truck transportation service
060209	other forestry	1,217	1,214	1,274	1,210	1,233	1,106	916	785	884	859	997	968	884	718	635	565	565	512	457	444	432	451	408	18,734	other forestry
010103	agricultural food products	594	522	580	503	464	492	507	481	480	486	454	462	428	443	433	401	382	384	446	459	395	379	394	10,569	agricultural food products
010899	other chemical products	467	434	393	336	351	340	351	346	337	304	282	289	282	259	240	265	259	259	311	317	308	338	384	7,452	other chemical products
010701	printing service	820	821	765	735	640	666	593	600	579	550	565	485	466	433	418	426	368	368	360	381	363	374	370	12,146	printing service
140209	other restaurants	349	402	429	397	460	424	469	493	479	515	489	430	447	440	463	459	458	427	437	481	452	404	367	10,171	other restaurants
011501	ship building	759	759	745	718	684	683	651	676	717	711	612	560	466	461	391	417	464	439	437	437	433	457	355	13,032	ship building
040309	other land cargo transportation service	432	493	458	393	487	507	574	536	464	448	344	368	363	341	366	347	338	347	321	353	311	316	345	9,252	other land cargo transportation service
010909	other sand and stone products	834	779	777	671	599	550	528	533	558	467	394	395	364	398	357	329	360	328	309	264	303	299	314	10,710	other sand and stone products
080302	beauty salon	79	94	91	99	91	108	112	109	98	95	100	102	103	112	90	113	135	107	114	129	128	152	311	2,672	beauty salon
070201	fishery	685	666	647	604	616	617	519	506	510	441	436	470	462	450	397	378	399	355	323	295	293	295	309	10,673	fishery
011509	other transport equipment products	354	350	351	312	327	317	291	304	329	279	196	203	228	200	205	231	215	219	222	246	248	233	298	6,158	other transport equipment products
011002	casting products	569	575	534	416	408	464	515	489	476	479	269	386	423	384	324	334	300	338	295	298	316	256	291	9,139	casting products
030109	land consolidation civil engineering work	762	684	594	576	482	438	434	448	401	384	330	292	289	294	321	337	269	273	315	293	278	298	289	9,081	land consolidation civil engineering work

030110	water supply/sewage construction work	1,432	1,216	1,051	975	880	818	691	669	583	586	453	457	397	428	403	364	343	316	298	299	273	268	287	13,487	water supply/sewage construction work
050202	port cargo handling service	401	424	446	417	396	370	366	334	325	304	228	259	259	248	205	265	214	209	228	234	284	245	278	6,939	port cargo handling service
170101	dispatch service	110	149	165	209	239	262	139	189	201	233	142	131	201	239	209	162	188	212	253	258	257	260	277	4,685	dispatch service
010801	non organic or organic chemical products	306	331	304	294	303	307	306	300	312	264	216	227	239	204	190	221	190	242	198	215	235	211	268	5,883	non organic or organic chemical products
090101	banking/trust business	289	284	242	239	267	263	248	230	265	277	261	238	272	226	264	208	184	210	223	194	198	232	251	5,565	banking/trust business
011001	steel/iron/rolling products	320	305	337	304	283	302	283	287	316	301	199	226	227	226	202	219	173	177	207	262	178	171	248	5,753	steel/iron/rolling products
030107	river civil engineering work	540	468	426	335	303	265	305	257	242	214	205	204	180	200	210	225	209	146	180	182	184	215	239	5,934	river civil engineering work
140302	park and amusement park	146	144	225	192	145	150	138	137	130	160	219	176	201	226	185	199	234	255	289	307	367	199	220	4,644	park and amusement park
011702	machine repair	388	386	401	333	341	356	360	322	304	325	269	226	248	257	218	226	236	195	235	213	213	207	219	6,478	machine repair
010806	rubber products	390	429	372	365	383	360	368	356	342	362	211	245	276	289	244	220	228	206	221	244	239	240	214	6,804	rubber products
090209	other advertisement and mediator	97	121	133	150	146	149	129	130	136	156	131	132	162	144	145	150	141	178	172	158	187	175	214	3,436	other advertisement and mediator
011305	other precision machine products	338	332	358	292	324	241	309	264	309	277	154	189	236	209	161	170	179	185	171	198	198	163	209	5,466	other precision machine products
010501	wood furniture	703	679	586	555	549	455	432	444	405	331	301	286	303	250	273	288	232	235	185	236	213	194	206	8,341	wood furniture
010803	pharmaceuticals	134	151	147	124	143	122	138	146	157	129	129	113	147	140	132	143	122	106	135	157	147	156	205	3,223	pharmaceuticals
011009	other steel products	362	396	341	329	289	339	319	277	289	296	206	226	212	201	189	216	187	172	182	188	200	178	177	5,771	other steel products
011204	metal plating products	305	253	272	277	241	233	231	240	247	232	170	183	201	188	187	217	149	162	170	179	194	162	168	4,861	metal plating products
010402	plywood	312	305	268	253	232	230	231	242	236	192	150	149	167	174	180	147	135	163	140	149	148	137	168	4,508	plywood
010309	other fiber products	354	358	304	230	232	203	215	217	211	175	157	161	154	179	142	151	148	143	139	136	145	141	157	4,452	other fiber products
010601	pulp/paper	317	322	275	266	234	220	203	236	183	207	164	161	155	138	143	148	161	136	141	144	124	147	157	4,382	pulp/paper
010609	other pulp/paper processing products	228	263	233	210	237	212	235	205	220	198	150	171	146	158	152	158	159	137	110	157	147	114	156	4,156	other pulp/paper processing products
170202	information processing service	55	53	42	52	52	64	51	38	58	62	61	64	60	80	72	71	81	79	92	103	100	104	155	1,649	information processing service
010209	other textile products	325	282	313	327	293	231	227	253	208	214	179	158	171	185	177	178	152	156	162	192	163	159	143	4,848	other textile products
130309	other health and hygiene service	69	100	111	129	149	201	199	177	145	191	141	171	171	179	175	131	114	116	99	128	138	121	142	3,297	other health and hygiene service
160101	public office	157	136	144	152	179	134	257	140	104	100	94	98	95	108	78	89	65	87	102	101	100	112	141	2,773	public office
070209	other fishery	187	175	178	192	193	166	172	161	167	138	107	125	135	129	139	139	133	134	142	139	161	151	139	3,502	other fishery
080101	all kinds of wholesale	694	517	499	430	386	326	329	314	314	206	194	183	168	148	164	141	137	150	140	136	112	118	136	5,942	all kinds of wholesale
080203	furniture/fittings retail	164	156	183	142	146	121	131	148	134	150	124	107	131	119	124	111	155	140	137	153	124	172	136	3,208	furniture/fittings retail
010106	soft drinks	145	152	133	143	125	133	125	127	151	127	105	107	108	108	101	93	90	108	98	119	104	105	135	2,742	soft drinks
011402	electrical appliance	233	196	242	232	197	212	208	204	182	214	132	159	166	126	123	117	120	147	139	149	136	98	129	3,861	electrical appliance

011601	electric utility service	53	45	79	54	69	59	63	53	70	46	38	43	53	48	45	41	45	40	50	60	44	68	126	1,292	electric utility service
030104	railway construction work	125	115	117	131	111	99	107	103	93	105	82	80	69	90	91	92	91	99	101	70	110	92	124	2,297	railway construction work
011109	other nonferrous metal products	202	203	203	198	190	199	201	175	196	209	143	136	134	170	136	121	121	138	110	149	114	117	121	3,686	other nonferrous metal products
030105	bridge construction work	264	290	255	273	216	182	172	171	189	176	144	152	150	120	151	134	139	128	147	133	116	130	119	3,951	bridge construction work
040303	cargo/ light automobile transportation service	64	89	92	100	116	124	113	117	126	111	92	96	81	91	84	100	96	89	91	96	78	116	115	2,277	cargo/ light automobile transportation service
120101	auto mobile practical training	94	104	79	80	79	85	94	92	86	76	70	57	61	73	73	61	69	60	71	73	84	79	115	1,815	auto mobile practical training
040103	airline service	124	158	163	222	181	248	235	205	285	184	154	159	116	202	161	211	194	226	246	251	213	91	113	4,342	airline service
020201	quarrying	307	245	248	200	208	162	193	174	175	135	135	120	116	105	142	142	113	102	126	113	107	118	113	3,599	quarrying
010902	glass products	182	183	171	151	182	182	150	151	151	136	103	110	126	117	118	99	108	96	109	100	102	97	113	3,037	glass products
011101	nonferrous metals/rolling products	190	193	150	185	142	143	135	167	154	135	126	111	124	93	104	103	105	106	95	105	110	108	112	2,996	nonferrous metals/rolling products
010105	alcoholic drinks	186	181	187	156	157	162	154	173	153	144	136	119	136	107	106	121	114	133	112	136	129	108	111	3,221	alcoholic drinks
011102	nonferrous metals casting products	168	178	210	163	132	168	149	167	170	159	103	122	111	112	120	102	107	118	121	128	109	85	104	3,106	nonferrous metals casting products
011401	heavy electrical equipment	99	124	100	99	104	104	113	118	102	117	77	84	90	101	83	92	93	89	91	87	83	104	100	2,254	heavy electrical equipment
130301	bathroom	58	58	64	73	80	93	88	111	129	92	113	101	95	96	101	94	101	95	148	141	108	118	98	2,255	bathroom
030111	port/seaside construction work	205	199	189	162	145	117	133	97	107	85	82	85	76	79	111	112	76	99	84	69	69	97	92	2,570	port/seaside construction work
030108	sand collapse prevention civil engineering work	345	321	261	236	226	181	185	148	153	135	120	106	115	109	122	111	71	65	73	84	84	76	90	3,417	sand collapse prevention civil engineering work
030102	tunnel construction work	141	151	149	130	109	92	114	118	87	95	79	64	61	72	59	48	68	74	79	68	79	86	86	2,109	tunnel construction work
010301	over/under wear	217	169	151	151	144	127	113	109	119	100	106	95	72	105	102	81	71	62	73	76	78	131	80	2,532	over/under wear
050201	general harbor transportation service	146	120	108	101	125	104	87	86	88	90	58	67	79	72	70	56	56	51	76	72	66	58	80	1,916	general harbor transportation service
010709	other printing and bookbinding	83	92	103	99	100	98	110	99	77	87	60	58	70	58	55	57	57	44	60	72	62	66	80	1,747	other printing and bookbinding
100109	other movie/play service	52	46	41	57	50	44	41	53	39	54	49	50	47	59	39	53	63	49	41	56	57	49	75	1,164	other movie/play service
010509	other furniture	224	247	196	195	228	170	175	162	153	135	107	106	102	117	96	99	92	80	75	82	92	95	72	3,100	other furniture
040409	other transportation service	71	68	69	70	87	88	69	83	77	80	66	73	85	67	73	92	77	72	76	76	80	67	72	1,738	other transportation service
090201	traveling service	23	25	24	16	26	34	35	25	20	34	47	45	40	40	44	36	52	40	48	53	47	26	72	852	traveling service
010503	fittings	344	315	305	298	263	247	230	169	193	203	129	163	134	112	126	104	98	103	97	100	82	95	71	3,981	fittings
010809	chemical fertilizer products	90	74	82	67	65	73	79	78	73	86	66	65	75	45	55	53	45	68	46	60	51	40	70	1,506	chemical fertilizer products
011202	screw products	91	91	117	83	97	84	96	90	100	105	61	76	73	74	62	63	58	56	84	75	66	41	69	1,812	screw products
090109	other financial business	70	66	80	59	59	71	56	49	52	35	49	41	29	37	24	43	29	38	42	40	38	44	69	1,120	other financial business
010903	pottery products	161	181	167	143	135	130	100	120	101	94	58	66	61	81	75	71	64	68	68	62	71	53	67	2,197	pottery products

010804	petroleum/coal products	86	79	94	72	54	87	75	63	59	54	58	71	71	54	60	71	42	43	58	47	52	56	67	1,473	petroleum/coal products
010204	dyeing	199	193	184	140	136	135	140	115	78	102	98	79	67	77	81	63	87	80	90	62	80	59	64	2,409	dyeing
020202	gravel digging	121	137	129	117	101	95	101	89	90	68	67	57	70	62	62	74	64	48	50	61	65	62	63	1,853	gravel digging
010808	painting products	54	59	50	53	54	42	49	53	47	43	41	42	35	38	25	37	38	38	34	41	49	41	62	1,025	painting products
011603	city water service	38	49	59	40	47	50	46	51	51	54	66	52	60	57	36	49	43	36	47	45	42	53	59	1,130	city water service
011602	city gas service	84	86	95	100	83	49	69	46	57	58	48	41	48	37	40	38	42	37	33	45	48	50	58	1,292	city gas service
150105	livestock process service	46	78	64	78	66	55	69	59	43	66	79	62	73	62	66	60	44	66	42	48	45	46	56	1,373	livestock process service
011503	railway vehicle products	60	56	49	56	64	58	48	45	56	50	59	32	27	29	34	38	36	54	41	40	50	51	55	1,088	railway vehicle products
120102	software service	23	16	19	24	21	22	22	17	33	38	31	35	27	21	25	26	31	32	35	28	48	28	53	655	software service
040209	other passenger transport service	36	32	40	36	50	38	39	43	45	52	30	33	45	43	49	34	42	44	61	59	41	43	49	984	other passenger transport service
010702	bookbinding	131	131	130	100	104	119	107	111	103	109	83	74	74	62	63	63	76	41	69	63	39	47	44	1,943	bookbinding
080102	furniture/fittings wholesale	71	59	79	70	63	62	59	56	49	49	39	32	31	52	33	41	33	33	40	42	43	50	44	1,130	furniture/fittings wholesale
011303	optical instruments	57	73	54	71	61	72	68	74	73	72	38	40	58	51	38	38	41	42	45	47	54	43	43	1,253	optical instruments
040102	water transportation service	28	30	46	31	38	51	44	48	44	41	21	48	53	46	42	40	42	54	61	54	50	61	42	1,015	water transportation service
010203	weaving	177	150	140	114	119	108	98	101	85	66	77	56	70	56	67	69	54	59	68	64	66	45	41	1,950	weaving
100101	movie production and delivery service	33	18	36	42	19	15	36	30	24	21	25	23	30	28	34	24	28	29	27	20	63	19	41	665	movie production and delivery service
011302	measuring instruments	68	81	82	68	71	54	62	62	69	61	49	52	56	42	48	44	52	36	55	49	48	32	40	1,281	measuring instruments
080301	haircut	19	23	21	20	31	27	19	28	29	28	19	27	30	21	20	25	23	31	35	35	28	31	38	608	haircut
011201	western tableware/cutting tool products	109	93	101	94	92	81	85	60	70	73	47	56	50	43	48	53	44	41	48	45	45	42	37	1,457	western tableware/cutting tool products
010905	other ceramic products	136	114	90	77	90	83	71	81	79	63	51	45	43	49	45	45	35	47	35	48	38	30	36	1,431	other ceramic products
030101	hydroelectric plant construction work	44	33	40	37	23	23	26	22	25	26	30	17	25	17	12	21	22	20	14	22	22	23	34	578	hydroelectric plant construction work
010802	chemical fiber	50	64	52	55	35	41	39	30	43	38	16	28	22	36	39	29	28	28	39	28	32	18	32	822	chemical fiber
010202	cotton-spinning	129	102	87	91	65	48	50	61	60	40	30	34	31	36	34	30	35	27	35	36	35	16	30	1,142	cotton-spinning
010807	leather products	134	105	100	89	96	85	73	74	58	68	48	40	43	48	54	43	39	37	40	39	42	32	28	1,415	leather products
020209	other quarrying	39	46	35	37	28	31	31	33	27	26	15	24	18	16	11	19	19	17	18	18	14	9	25	556	other quarrying
050209	other harbor transportation service	27	29	36	33	25	35	36	25	39	28	21	27	35	24	21	28	14	26	27	24	26	27	24	637	other harbor transportation service
010904	fire resisting products	51	62	51	47	41	38	34	40	36	40	21	27	22	26	28	34	19	27	29	25	29	18	20	765	fire resisting products
010502	metal furniture	64	44	39	41	37	41	29	34	43	30	15	16	23	20	25	30	29	25	24	22	22	32	14	699	metal furniture
090102	stock/commodity trade business	13	19	14	10	13	18	14	12	15	18	4	8	14	12	7	7	7	14	16	14	9	11	13	282	stock/commodity trade business
020309	other mining	18	28	25	8	23	22	20	23	11	12	9	8	9	7	14	5	11	13	11	15	15	9	12	328	other mining

010201	silk-reeling	30	32	20	16	11	10	10	7	2	4	3	7	6	8	2	4	2	8	3	5	4	3	8	205	silk-reeling
011609	other electric/gas/water service	6	5	8	11	9	13	7	13	6	8	9	7	5	7	4	4	8	5	7	8	10	11	8	179	other electric/gas/water service
011704	tobacco products	17	26	32	24	22	15	14	17	10	14	7	12	4	5	3	7	2	3	3	8	7	8	7	267	tobacco products
100102	movie theatre	6	4	3	4	2	8	4	10	7	10	8	9	9	3	4	7	7	4	9	8	12	8	7	153	movie theatre
150104	cremation service	10	10	8	7	4	6	9	5	6	8	8	6	8	4	8	5	8	5	4	8	3		7	147	cremation service
011304	watch products	19	19	10	14	12	13	10	12	11	8	8	9	7	11	8	11	7	8	3	6	5	4	6	221	watch products
030103	subway construction work	57	24	17	14	9	16	10	14	8	13	9	12	6	5	7	3	3	12	4	7	5	5	2	262	subway construction work
020101	general coal mining	58	45	47	1	4	1	4	1	1	2		2	1	2	4	1			1	6			1	182	general coal mining
020109	other coal mining	3	1	3	1	1	1	1	1	2		3		3	1	2	1	1	2	2				1	30	other coal mining
020302	petroleum mining	2	1	1	1			1		2	2	1	2	1	1	3			1					1	20	petroleum mining
020301	metal mining	9	7	7	6	7	7	4	1	2	4	1	5		3	1	2	1	1	1	1	2	1		73	metal mining
	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	149,918	2,943,023	total

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

https://www.jisha.or.jp/english/statistics/202212_04.html