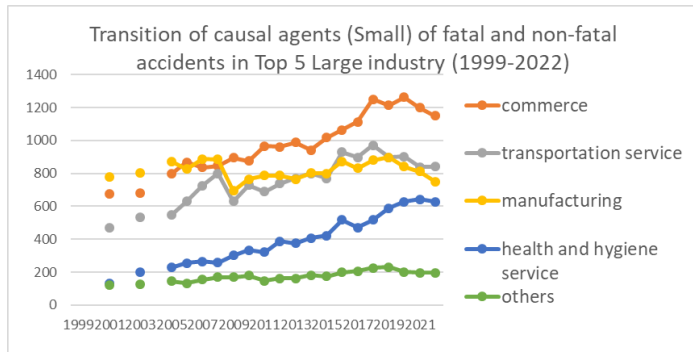
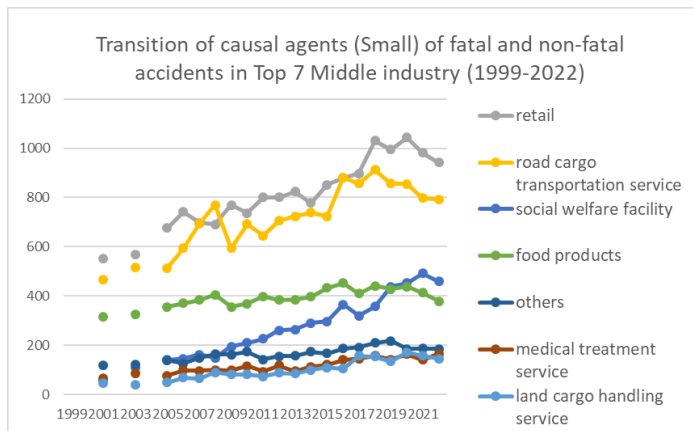


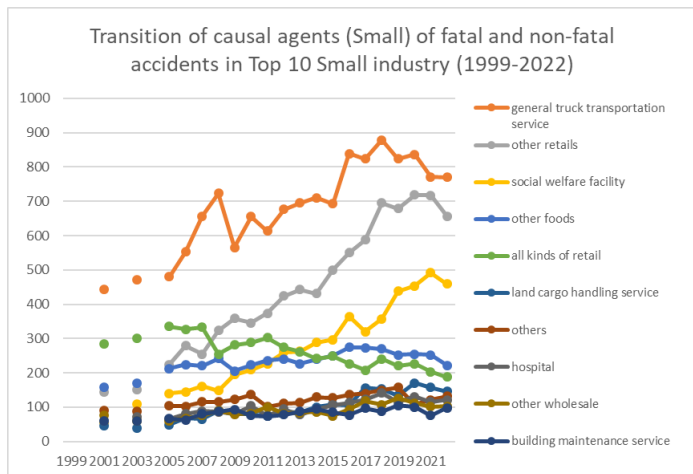
Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 362 human power hauling equipment (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 362 human power hauling equipment in Large industry (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 362 human power hauling equipment in Middle Industry (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 362 human power hauling equipment in Small Industry (1999-2022)

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 362 human power hauling equipment 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
08	commerce			674		680		798	869	837	846	896	875	967	961	988	942	1,017	1,064	1,113	1,251	1,213	1,262	1,199	1,149	19,601	commerce
04	transportation service			472		535		548	630	725	799	630	727	688	739	770	800	770	928	897	971	898	902	839	842	15,110	transportation service
01	manufacturing			778		801		872	825	888	886	695	764	787	787	764	802	800	873	830	879	897	842	811	750	16,331	manufacturing
13	health and hygiene service			131		200		229	255	264	257	302	334	322	387	376	408	423	517	471	518	588	628	642	628	7,880	health and hygiene service
17	others			122		129		144	134	154	170	169	179	148	163	162	181	174	199	207	227	230	201	196	197	3,486	others
05	cargo handling service			46		44		51	71	67	94	86	84	74	90	85	102	109	106	156	155	137	174	157	150	2,038	cargo handling service
14	hotel/restaurant/amusement service			96		104		95	111	103	107	122	113	122	137	125	113	135	132	143	152	150	125	128	134	2,447	hotel/restaurant/amusement service
15	commercial cleaning and livestock process			75		81		92	82	98	115	118	96	99	110	114	118	118	98	120	124	125	128	106	120	2,137	commercial cleaning and livestock process
11	telecommunication service			5		10		92	114	85	121	94	121	117	141	97	130	111	132	154	119	71	90	85	81	1,970	telecommunication service
03	construction			91		84		73	84	82	98	62	58	83	72	64	97	62	61	50	72	70	54	49	53	1,419	construction
09	financial business/advertisement			66		63		68	80	55	72	68	59	77	66	51	46	53	70	68	60	52	47	51	44	1,216	financial business/advertisement
07	livestock/fishery			27		17		12	19	24	25	17	16	19	18	19	11	17	22	21	19	11	19	14	21	368	livestock/fishery
12	education/research service			16		10		11	12	18	20	10	12	6	20	19	29	13	24	29	21	25	22	22	19	358	education/research service
06	agriculture			15		7		10	8	15	17	7	19	19	13	19	11	14	15	16	19	17	31	31	18	321	agriculture
16	public office			2		2		2	2	1	5	2	5	1	5	1	3	2	4	2	5	2	1		2	49	public office
10	movie/play service					3		3		4	3	3	2	3	5		3	3	4	4	1	5	2	2		50	movie/play service
02	mining							2														2				4	mining
	total			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	4,332	4,208	74,785	total

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 362 human power hauling equipment 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
0802	retail			551		569		675	742	697	690	770	737	801	800	823	777	852	879	897	1,030	995	1,043	981	941	16,250	retail
0403	road cargo transportation service			465		514		513	594	694	770	593	692	645	705	723	738	724	881	856	913	856	855	797	793	14,321	road cargo transportation service
1302	social welfare facility			55		109		140	145	161	148	195	209	226	260	263	289	297	365	320	357	438	453	492	459	5,381	social welfare facility
0101	food products			316		326		356	370	384	404	356	368	398	383	385	397	433	453	410	441	427	437	413	379	7,836	food products
1702	others			119		120		139	126	148	163	162	174	142	155	156	173	166	186	191	209	218	185	186	184	3,302	others
1301	medical treatment service			67		85		77	97	96	99	98	116	93	118	95	112	121	141	146	156	142	163	140	165	2,327	medical treatment service
0501	land cargo handling service			45		39		49	68	65	90	81	81	73	88	85	100	109	105	156	153	134	171	157	146	1,995	land cargo handling service
1501	commercial cleaning and livestock process			75		81		92	82	98	115	118	96	99	110	114	118	118	98	120	124	125	128	106	120	2,137	commercial cleaning and livestock process
0801	wholesale			97		71		68	83	91	101	87	86	108	92	90	91	85	106	128	116	131	120	108	109	1,968	wholesale
0804	other commerce			23		37		55	42	46	52	39	49	55	62	74	70	74	74	85	104	85	98	105	95	1,324	other commerce
1402	restaurant			32		37		46	51	50	46	61	57	66	83	72	68	58	74	65	84	80	88	95	84	1,297	restaurant
1101	telecommunication service			5		10		92	114	85	121	94	121	117	141	97	130	111	132	154	119	71	90	85	81	1,970	telecommunication service
0117	other manufacturing			68		51		71	55	58	60	60	64	52	65	64	67	76	65	72	81	96	85	70	67	1,347	other manufacturing
0112	metal products			80		75		79	95	94	73	54	71	59	61	55	63	54	61	72	68	66	60	66	50	1,356	metal products
0108	chemical products			49		63		56	36	64	58	36	49	62	48	49	45	48	60	64	57	69	52	48	50	1,063	chemical products
0115	transport equipment products			37		66		86	84	86	98	44	36	55	55	54	46	39	59	64	63	61	42	49	47	1,171	transport equipment

040309	other land cargo transportation service			6		14		15	21	15	19	12	16	9	16	10	9	13	20	11	17	18	5	13	14	273	other land cargo transportation service
030209	other building construction work			11		11		15	15	14	24	10	12	14	18	9	25	17	11	10	13	9	12	13	13	276	other building construction work
011403	electronics equipment and telecommunications apparatus			12		14		10	9	14	16	7	8	10	10	10	16	7	14	17	9	19	16	18	13	249	electronics equipment and telecommunications apparatus
170101	dispatch service			3		9		5	8	6	7	7	5	6	8	6	8	8	13	16	18	12	16	10	13	184	dispatch service
140309	other amusement service			18		13		9	9	12	14	19	17	8	16	13	11	21	11	14	17	10	6	11	11	260	other amusement service
150109	other cleaning and livestock process service			10		8		9	7	7	2	4	3	7	10	9	12	12	6	12	15	6	10	2	11	162	other cleaning and livestock process service
030302	machinery/apparatus setting work			7		6		2	6	2	6	4	3	5	7	5	3	2	6	3	9	4	8	3	11	102	machinery/apparatus setting work
011203	metal press products			10		13		10	12	16	13	7	14	9	15	7	8	9	10	15	8	10	4	11	10	211	metal press products
130102	general clinic			1		6		3	8	1	3	4	5	3	2	4	7	4	11	12	4	7	12	10	10	117	general clinic
140209	other restaurants			4		5		10	8	11	13	16	7	14	9	14	16	10	12	12	17	17	9	11	9	224	other restaurants
140301	golf course			3		11		2	11	5	7	8	3	6	6	8	6	11	5	7	7	8	8	3	9	134	golf course
140302	park and amusement park			11		8		6	3	4	6	5	4	7	8	6	2	7	7	7	6	15	4	2	9	127	park and amusement park
010103	agricultural food products			12		9		4	10	18	16	10	14	11	14	13	9	16	12	11	12	16	13	12	8	240	agricultural food products
080203	furniture/fittings retail			3		3		3	2	10	8	4	2	1	5	8	12	9	11	10	5	9	7	8	120	furniture/fittings retail	
010701	printing service			18		7		11	11	12	10	9	22	10	11	6	9	3	13	3	14	14	8	9	7	207	printing service
010602	paper processing products			12		13		8	9	12	8	9	9	9	12	5	6	7	11	5	8	13	8	3	7	174	paper processing products
150102	industrial waste management service			4		6		7	9	1	11	10	9	7	9	10	6	9	9	8	11	11	7	21	7	172	industrial waste management service
030309	other construction works			6		6		8	7	9	8	8	5	7	9	6	11	9	12	12	8	8	10	3	7	159	other construction works
011509	other transport equipment products			6		7		10	11	10	9	6	6	3	6	10	4	6	7	14	4	5	4	6	7	141	other transport equipment products
010909	other sand and stone products			9		8		7	8	9	5	5	4	4	4	3	4	3		5	1	7	4	4	7	101	other sand and stone products
040302	specific truck transportation service			14		24		14	18	15	23	11	19	19	8	12	13	13	18	16	12	10	10	9	6	284	specific truck transportation service
080101	all kinds of wholesale			19		12		7	14	15	10	6	4	7	6	5	5	10	11	8	7	5	7	4	6	168	all kinds of wholesale
010806	rubber products			10		10		6	7	5	15	4	8	12	8	7	6	8	12	9	5	6	9	4	6	157	rubber products
010899	other chemical products			9		12		6	3	10	2	3	5	8	8	6	7	5	11	9	9	19	9	9	6	156	other chemical products
090209	other advertisement and mediator			5		1		7	5	4	11	2	4	8	6	6	2	6	8	6	6	6	4	5	6	108	other advertisement and mediator
010501	wood furniture			6		7		7	4		2	8	3	4		4	3		5	2	8		3	5	6	77	wood furniture
011701	auto mobile servicing			1		6		2	6	3	3	3	5	5	4	1	4	3	2	2	3	6	4	3	6	72	auto mobile servicing
170202	information processing service					3		2	1		1	1	5	3	1		6	2		4	3	3	2	4	6	47	information processing service
030199	other civil engineering work			16		12		12	13	12	10	10	10	11	6	9	11	7	7	4	8	8	8	7	5	186	other civil engineering work
010902	glass products			2		7		6	10	8	3	3	7	3	7	7	4	3	6	8	5	3	11	5	5	113	glass products
010209	other textile products			12		9		3	8	4	4	2	8	9	4	4	7	4	4	4	4	7	6	3	5	111	other textile products
010801	non organic or organic chemical products			2		6		9	3	3	3	6	9	6	7	3	3	2	2	5	4	7	6	4	5	95	non organic or organic chemical products
011401	heavy electrical equipment			1		3		1	1	2	4	5	5	3	1	1	2	2	4		2	1	3	2	5	48	heavy electrical equipment
030201	steel frame/reinforced concrete house construction			19		20		16	20	25	28	14	10	17	16	22	28	14	13	7	17	18	5	6	4	319	steel frame/reinforced concrete house construction

	work																									work
130309	other health and hygiene service		7	5	10	11	7	9	7	7	3	8	14	6	4	9	5	4	6	7	10	4	143		other health and hygiene service	
011204	metal plating products		2	3	8	8	9	8	4	6	2	1	5	9	6	3	4	4	6	6	5	4	103		metal plating products	
011402	electrical appliance		5	5	10	4	3	7	4	3	8	2	8	5	2	6	6	4	7	6	4	4	103		electrical appliance	
011002	casting products		7	3	3	8	6	3	2	5	6	4	6	3	5		2	5	6	2	6	4	86		casting products	
011305	other precision machine products		3	4	4	4	6	6	9	2	6	4	2	3	6	4	4	4	4	1	6	4	86		other precision machine products	
040101	railroad service		2	4	4	5	3	2	5	2	1	6	6	4	2	4	3	2	1	4	5	4	69		railroad service	
080302	beauty salon		2	3		2	2	2		2	3	6	1	3	5	5	3	1	1	1	5	4	51		beauty salon	
010601	pulp/paper		2	2	1	1	4	1			1	2	2	2	3			1	2	2	1	4	31		pulp/paper	
040209	other passenger transport service			3	1		2		2	2	1	1	1					2	4	1		4	24		other passenger transport service	
090101	banking/trust business		9	13	15	8	10	7	8	12	18	9	6	7	5	13	7	9	4	9	6	3	178		banking/trust business	
150103	other waste disposal service		2	8	10	3	9	15	8	7	9	12	8	5	10	6	2	9	3	10	5	3	144		other waste disposal service	
040103	airline service		1	6	13	7	9	7	1	3	4	2	3	8	5	5	4	12	4	3	2	3	102		airline service	
010204	dyeing		9	12	10	6		3	3	4	2	7	4	5	6	3	6	5	6	5		3	99		dyeing	
040303	cargo/ light automobile transportation service		2	5	4	3	7	5	5	2	4	5	6	6	5	4	5	5	4	4	4	3	88		cargo/ light automobile transportation service	
080204	fuel retail		9	6	4	4	4	3	2	1	5	4	5	7	6	2	2	4	3	7	3	3	84		fuel retail	
010609	other pulp/paper processing products		1	4	8	4	2	4	4	6	3	5	1	2	3	5	4		1	2	1	3	63		other pulp/paper processing products	
010301	over/under wear		4	2	2		1		3	5	1	4	3	4	2	8	1	4	1	4	4	3	56		over/under wear	
010803	pharmaceuticals		3	3		1	7	2	4		2	2	4	4	2	2	6	4	2	2	2	3	55		pharmaceuticals	
030301	electricity/telecommunication work		2	2	1	2	4	2	2	3	3	4	1	2	2	1	5	4	5	4	3	3	55		electricity/telecommunication work	
011102	nonferrous metals casting products		2	4	3	1	4	2	1	3	1	3	3	2	3	3		3	2	1	2	3	46		nonferrous metals casting products	
030106	road construction work		5	4	3	1	2	1	2	2	3	2	1	2	1	2	2	1	1	2	3	3	43		road construction work	
010709	other printing and bookbinding		1	4	1			3	2			1	3	3	3	2	2		1	2	3	3	34		other printing and bookbinding	
080202	auto mobile retail		2		2	2	1	1		2		1	2	3	2	2	3	2	1	3	1	3	33		auto mobile retail	
010409	other lumber and wood products		14	4	5	9	8	4	5	3	3	6	1	2	7	6	6	9	4	2	2	2	102		other lumber and wood products	
030202	wooden house construction work		7	9	4	9	7	6	4	4	6	3	2	7	4	3	1	4	4	2	1	2	89		wooden house construction work	
010903	pottery products		3	4	4	3	10	5	4	3	4	5	4	3	1	5	2	1	2	2	3	2	70		pottery products	
030203	building facility construction work		6	2	2	4	4	4	5	5	8	2	2	2	5	6		2	3	1	5	2	70		building facility construction work	
010309	other fiber products		3	6	3	4	4	3	3	2	1	4	4	3	5	7	1	3	5	2	3	2	68		other fiber products	
011702	machine repair		5	3	4	2	2	4	5	3	2	2	3	5	1	1	7	1	1	2	2	2	57		machine repair	
011109	other nonferrous metal products		5	4	2	1	3	6	2	1	2	5	3	2		3	2	2	2	2	2	2	51		other nonferrous metal products	
160101	public office		2	2	2	2	1	5	2	5	1	5	1	3	2	4	2	5	2	1		2	49		public office	
010509	other furniture		2	5	3	2	3	3	2	2	1	5	1	2	2	3		3	2	3		2	46		other furniture	
010203	weaving		1	2	3	2	3	3	1	2	1	1	3	2	1	1	5					2	33		weaving	
040409	other transportation service		1	2		1		2	2	4	3		2	7		1	2	3			1	2	33		other transportation service	
011303	optical instruments		1	2	5	1	2	1				2			2		4	2	1		2	2	27		optical instruments	

010105	alcoholic drinks			3		2		3		2	2		1		1	1	1	1		1	1	1	2	1	1	2	25	alcoholic drinks
050202	port cargo handling service			1		1		2	3	1	2	1	3	1	2		1				1	2	2		2	25	port cargo handling service	
010807	leather products			1				2	2	2	3	1		2	1	1	1		1	1				1	2	21	leather products	
011101	nonferrous metals/rolling products			2		1		3	1	1	1		2	1	2				1		1				3	2	21	nonferrous metals/rolling products
010502	metal furniture			3					1	2	2			1			1	2	1	1	1			1	2	18	metal furniture	
050201	general harbor transportation service					4				1	2	2					1				1	1			2	14	general harbor transportation service	
010401	lumbering			7		9		12	2	5	7	4	5	2	3	3	3	2	3	2	1	2	1	1	1	1	75	lumbering
011001	steel/iron/rolling products					2		1	2	5	3	2	1	3	1	5	3	1	1	1	3	1	3	4	1	43	steel/iron/rolling products	
010402	plywood			4		1		6	6	3	1	1	1	1	2	2	1		2	1		1	1	4	1	39	plywood	
010905	other ceramic products			2		2		1	2	3	1	2	4	2		1	3				4	1	1		1	30	other ceramic products	
011009	other steel products			1		2		2	2	1		1		1	3	1	3	1	2	1	1	1	3	3	1	30	other steel products	
011302	measuring instruments			2		3			1		2		2	1	3	1		3	1	1	4	2	1		1	28	measuring instruments	
030104	railway construction work			2		2			1		3	2		1		3	1			4	2	6			1	28	railway construction work	
010202	cotton-spinning			1				2	3	1	1	2	1		2	2	2	3		1	1	2		1	1	26	cotton-spinning	
010804	petroleum/coal products					1		4	2	3	1	1			2		1	1	2	1	2	1	1	1	1	24	petroleum/coal products	
090109	other financial business			1		1		1	1	2	2		2	3		1			2	2	3	1		1	1	24	other financial business	
010808	painting products			2		1		3			1		2	2			1	1	1	2		2		1	1	20	painting products	
010802	chemical fiber			1		3		1	1				1		3	1	1			1	2	1			1	17	chemical fiber	
011603	city water service			1				1	1		1			1			2		1	1		1		1	1	12	city water service	
010904	fire resisting products			1		1					2		1		2							1	1		1	10	fire resisting products	
030107	river civil engineering work					1							1		1			1		1		1		1	1	8	river civil engineering work	
070201	fishery			1		2			1					1				1	1						1	8	fishery	
150105	livestock process service										2	1	2			1							1		1	8	livestock process service	
030103	subway construction work						1								1										1	3	subway construction work	
010901	cement products			7		7		6	2	2	6	3	2	3	3	6	4	6	4	2	2		8	2		75	cement products	
011501	ship building			5		4		4	4	2	3	1	4	1	3	4	2	2	2	1	1	2		3		48	ship building	
030110	water supply/sewage construction work			4		6		5	3		2	1		4	2	2	3			1	2		1	3		39	water supply/sewage construction work	
010702	bookbinding			4		1		1	1	3	3	5	3		2	2	1		1	3	2	2		1		35	bookbinding	
010106	soft drinks			2		1		1	4	2	4	2				2	2		1	2	2	1	7			33	soft drinks	
010503	fittings			5				3	2	4	2	1			3	5		2	2	1	2	1				33	fittings	
100109	other movie/play service					2		3		3	2	3	1	1	4		2	2	2	1	1	4	1	1		33	other movie/play service	
130301	bathroom			2		1		2	2		1	2	2		1	4	1	1	2		1	2	5			29	bathroom	
011202	screw products			1		2		1		3				2		2	1	1	2	1	2	2	1	1		22	screw products	
030109	land consolidation civil engineering work			4		1		2	2		3		2	1	1	1	1				2	1	1			22	land consolidation civil engineering work	
080102	furniture/fittings wholesale			2					1		1	2		1	4	1			2	2	2		1	2		21	furniture/fittings wholesale	
011602	city gas service			4		2		4				1	1	1	1	1			1		2					18	city gas service	
010809	chemical fertilizer products			1		1		2		4		3	2			1						2				16	chemical fertilizer products	
100101	movie production and delivery service					1				1		1	2	1				1	2	3		1	1	1		15	movie production and delivery service	
120102	software service					3					1		1		1	1	1	1	1	2	1	2	1			15	software service	
040102	water transportation service							1				1		2	1		2	2		1		1	3			14	water transportation service	
011503	railway vehicle products								2		1	1			3	3						2				12	railway vehicle products	

011601	electric utility service					1		2	1			1			2	2	1				1		1			12	electric utility service	
011201	western tableware/cutting tool products							2	1	1			2				1	1			1	1				10	western tableware/cutting tool products	
090102	stock/commodity trade business					1							2	1			1	2			2	1				10	stock/commodity trade business	
090201	traveling service			1		2		1				4									1					9	traveling service	
150104	cremation service											1		1	1			2		1	1			2		9	cremation service	
030105	bridge construction work			1				1					1	2	1		1				1					8	bridge construction work	
080301	haircut			1						1	1		1		1	1					1					8	haircut	
011704	tobacco products			1				1		1	1	1										1	1			7	tobacco products	
030102	tunnel construction work					1		1		2	1										1		1			7	tunnel construction work	
120101	auto mobile practical training			1				1		1							1			1	1					6	auto mobile practical training	
050209	other harbor transportation service											2						1				1				4	other harbor transportation service	
060201	lumbering											1						1						2		4	lumbering	
060209	other forestry											3	1													4	other forestry	
011609	other electric/gas/water service													1			1				1					3	other electric/gas/water service	
030101	hydroelectric plant construction work			1					1	1																3	hydroelectric plant construction work	
070209	other fishery												1								1			1		3	other fishery	
010201	silk-reeling							1					1													2	silk-reeling	
011304	watch products												1				1									2	watch products	
020201	quarrying							1														1				2	quarrying	
030111	port/seaside construction work					1								1												2	port/seaside construction work	
100102	movie theatre									1						1										2	movie theatre	
020202	gravel digging																					1				1	gravel digging	
020301	metal mining							1																		1	metal mining	
020101	general coal mining																											general coal mining
020109	other coal mining																											other coal mining
020209	other quarrying																											other quarrying
020302	petroleum mining																											petroleum mining
020309	other mining																											other mining
030108	sand collapse prevention civil engineering work																											sand collapse prevention civil engineering work
	total			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	4,332	4,208	74,785	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