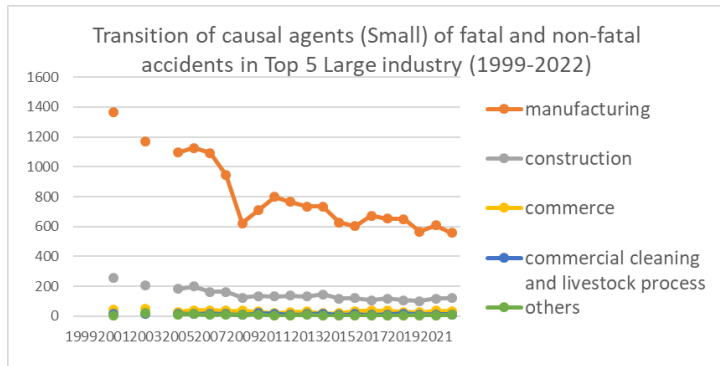
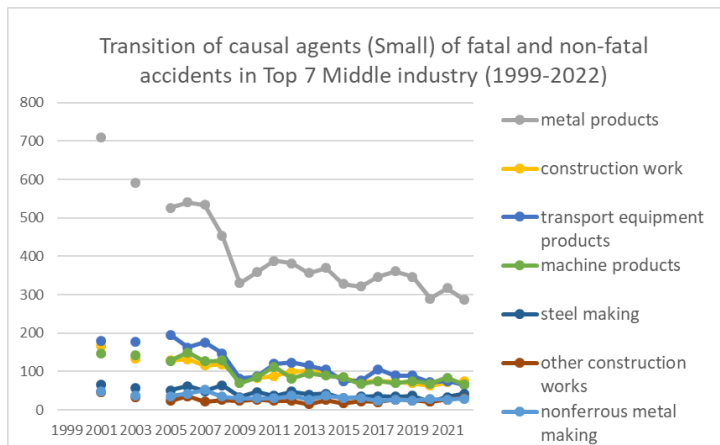


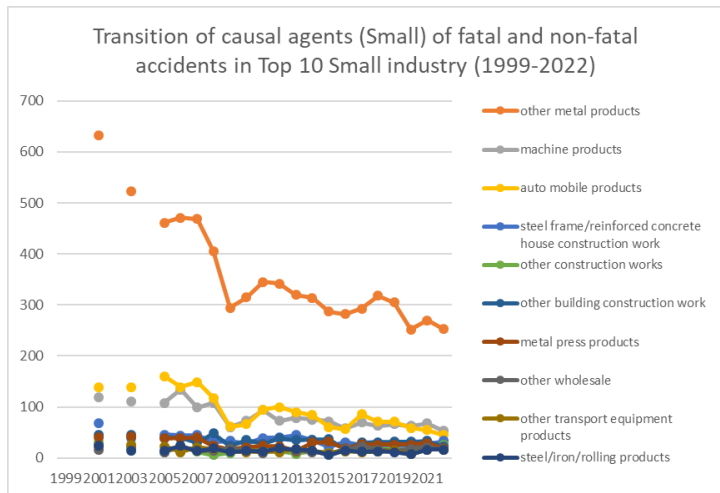
Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 159 other metal manufacturing machines (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 159 other metal manufacturing machines in Large industry (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 159 other metal manufacturing machines in Middle Industry (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 159 other metal manufacturing machines in Small Industry (1999-2022)

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 159 other metal manufacturing machines 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	
01	manufacturing			1,366		1,170		1,096	1,126	1,093	944	623	709	798	766	734	734	628	603	672	653	650	566	607	559	16,097	manufacturing	
03	construction			257		207		182	199	164	162	123	135	133	139	131	147	118	120	108	118	107	102	119	122	2,893	construction	
08	commerce			45		48		28	41	39	37	36	31	19	28	31	20	21	33	38	36	28	27	36	34	656	commerce	
15	commercial cleaning and livestock process			14		16		16	14	16	14	9	20	17	8	14	17	10	14	10	13	18	11	12	13	276	commercial cleaning and livestock process	
17	others			5		19		11	14	9	11	8	12	3	4	11	3	4	4	6	4	7	6	6	9	156	others	
04	transportation service			8		9		5	7	4	7	9	3	5	3	6	3	10	3	2	1	4	4	3	5	101	transportation service	
06	agriculture			4		3		1	4	4	3	1	3			1	1			1			1	2	29	agriculture		
07	livestock/fishery			1				4	2		1	1		3		2				2	3	1	3	1	2	26	livestock/fishery	
14	hotel/restaurant/amusement service			5		3		4	2	2	5	1	5	1	5		2			1	2		2		1	41	hotel/restaurant/amusement service	
05	cargo handling service			1		1		3	4	5	2	2	1		1			1	1	3				1		26	cargo handling service	
13	health and hygiene service			4					1		3	5	1	1	1		1	1		1		2	2	1		24	health and hygiene service	
12	education/research service			5		3		1		3		2	1	1	1		1	1		1			1			21	education/research service	
02	mining								1		1	1				2	2						1			8	mining	
09	financial business/advertisement			1				1		2	1							1						1		7	financial business/advertisement	
16	public office					1		1											1							3	public office	
10	movie/play service																											movie/play service
11	telecommunication service																											telecommunication service
	total			1,716		1,480		1,353	1,415	1,341	1,191	821	921	981	956	931	931	796	779	844	831	817	725	788	747	20,364	total	

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 159 other metal manufacturing machines 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
0112	metal products			709		592		526	540	534	454	330	359	388	381	356	369	328	321	346	361	347	289	317	286	8,133	metal products
0302	construction work			167		134		129	132	115	119	82	83	88	99	101	96	81	73	75	73	70	63	72	74	1,926	construction work
0115	transport equipment products			179		178		195	162	176	147	82	87	120	123	115	104	75	76	106	89	89	72	75	65	2,315	transport equipment products
0113	machine products			146		143		128	149	126	129	70	85	112	82	95	89	85	67	75	70	75	68	84	65	1,943	machine products
0110	steel making			65		56		51	62	49	64	33	46	37	48	40	42	30	34	36	34	37	21	33	42	860	steel making
0303	other construction works			46		33		23	35	21	26	23	27	23	24	15	26	17	22	20	27	25	21	27	31	512	other construction works
0111	nonferrous metal making			49		37		36	42	52	34	30	30	30	37	27	37	31	31	24	27	25	28	27	29	663	nonferrous metal making
0114	electrical equipment products			71		61		38	55	52	39	18	34	41	37	37	32	29	23	34	17	31	31	26	22	728	electrical equipment products
0801	wholesale			19		25		12	23	15	15	19	15	10	17	15	11	12	17	23	17	15	18	21	19	338	wholesale
0117	other manufacturing			39		32		35	41	27	27	21	22	15	19	22	20	14	19	17	18	13	21	18	18	458	other manufacturing
0301	civil engineering work			44		40		30	32	28	17	18	25	22	16	15	25	20	25	13	18	12	18	20	17	455	civil engineering work
0108	chemical products			36		20		31	19	24	11	7	12	23	9	17	13	14	11	11	10	10	13	8	13	312	chemical products
1501	commercial cleaning and livestock			14		16		16	14	16	14	9	20	17	8	14	17	10	14	10	13	18	11	12	13	276	commercial cleaning

150102	service			6		9		9	9	13	8	5	8	10	3	6	8	7	9	8	8	12	8	8	7	161	service
011305	other precision machine products			24		26		14	12	22	17	5	10	12	8	13	10	11	6	5	4	6	4	15	6	230	other precision machine products
011403	electronics equipment and telecommunications apparatus			15		18		9	10	15	10	6	12	13	9	7	10	4	3	9	3	9	10	9	6	187	electronics equipment and telecommunications apparatus
011101	nonferrous metals/rolling products			10		11		3	12	8	9	6	3	9	6	8	8	7	6	5	4	9	13	7	6	150	nonferrous metals/rolling products
010901	cement products			4		9		7	6	8	5	4	2	5	8	3	4	4	5	9	4	3	6	7	5	108	cement products
080409	other commerce			3		4		5	2	6	4	4	1	3	4	1	1	2	1	1	5	3	3	3	5	61	other commerce
011501	ship building			15		11		10	9	6	9	4	9	11	11	6	6	3	5	9	4	3	6	3	4	144	ship building
030302	machinery/apparatus setting work			6		10		10	5	8	13	8	3	5	5	7	7	6	5	4	7	5	5	3	4	126	machinery/apparatus setting work
040301	general truck transportation service			6		9		4	5	3	6	7	2	4	3	5	2	8	1	2	1	4	4	3	4	83	general truck transportation service
030106	road construction work			7		6		4	6	3	2	5	2	4	3	1	2	6	1	2	4	2	2	4	4	70	road construction work
150109	other cleaning and livestock process service			2		2			2		2	1	2	4	1	3	1		1		3	1	1	2	4	32	other cleaning and livestock process service
011303	optical instruments					1		6	1	1		3		4			2					1	1	1	4	25	optical instruments
010409	other lumber and wood products			4		6		2	2	5	4	3	3	4	3	4	3	3	3	1	1	3	3		3	60	other lumber and wood products
011702	machine repair			2		6		6	4	2	4	3	2	1	3	2	5	2	1	3	2	1	1	5	3	58	machine repair
011204	metal plating products			7		5		5	3	3	6	6	9	7	3	4	8	2	6	5	6	5	2	5	2	99	metal plating products
011201	western tableware/cutting tool products			9		6		6	5	4	8	2	1	2	2	5	5	2	4	6	4		3	3	2	79	western tableware/cutting tool products
010806	rubber products			9		4		6	6	4	1	1	2	4	1	2	2	1	3		2	1	4	1	2	56	rubber products
011302	measuring instruments			3		3			2	4	3	2	2	2	1	3	2	2	3	1	2	2			2	39	measuring instruments
030109	land consolidation civil engineering work			6		4		4	3	2	2		1	2		2	3		1		1			2	2	35	land consolidation civil engineering work
010902	glass products							2	2	2	3	2			1	1						1	1		2	17	glass products
060101	agriculture			1				1	2		1						1	1			1				2	10	agriculture
010204	dyeing			1					1								1								2	5	dyeing
011701	auto mobile servicing			12		13		10	5	7	11	5	4	6	3	5	4	2	6	8	8	3	8	2	1	123	auto mobile servicing
011402	electrical appliance			8		8		10	9	7	8	2	3	5	8	8	4	5	4	4	1	6	2	1	1	104	electrical appliance
030110	water supply/sewage construction work			9		13		4	3	5	2	4	6	4	2	2	6	5	5	1	3	2	1	5	1	83	water supply/sewage construction work
010109	other foods			13		1		8	13	7	8	3	4	4	1	4	3			2	4	2	2		1	80	other foods
030301	electricity/telecommunication work			10		6		2	6	1	7	5	4	4	5		5	1	2	3	3	2	2	2	1	71	electricity/telecommunication work
150103	other waste disposal service			4		4		6	3	2	3	2	10	1	3	3	8	3	2	2	1	4	2	1	1	65	other waste disposal service
010909	other sand and stone products			6		6		4	6	5	1	5	3	1	3	4	3			4	4	1	3	3	1	63	other sand and stone products
011401	heavy electrical equipment			5		2		1	5	3	4	1	2		1	3	4	9	5	4	2	2	2	1	1	57	heavy electrical equipment
010899	other chemical products			7		1		5	1	2	2	2		3	1			2		2	1		3	2	1	35	other chemical products
010104	bread/cake products			6		3		3	3	2	2		1			1	1				1				1	24	bread/cake products
070101	livestock			1				4	2		1	1		3		2				1	2		3	1	1	22	livestock

150101	building maintenance service			2		1		1	1	1			2	1	2			2		1	1		1	1	18	building maintenance service	
010401	lumbering							1	4	2	1		1	2	1		1				2			1	16	lumbering	
010801	non organic or organic chemical products			1				3		1	2			2	1		1	1			1	1	1		1	16	non organic or organic chemical products
140201	general restaurant			4		2		2		1				2		1		1						1	14	general restaurant	
010609	other pulp/paper processing products			2		2		1	1					1	1	1				1	1	1			1	13	other pulp/paper processing products
080101	all kinds of wholesale			3		2			2									2			1	2			1	13	all kinds of wholesale
030111	port/seaside construction work			2		2					1			1	1			1	1						1	12	port/seaside construction work
010903	pottery products			1		1		1			1						1	1						3	1	10	pottery products
080102	furniture/fittings wholesale							1		1		1					2							1	6	furniture/fittings wholesale	
010804	petroleum/coal products			1				1						1							1			1	5	petroleum/coal products	
040101	railroad service			1					1					1										1	4	railroad service	
070209	other fishery																		1	1	1			1	4	other fishery	
010601	pulp/paper																	1					1	1	3	pulp/paper	
010602	paper processing products			5		3		4	5	2	3	2	3	2			3		3		1	2				38	paper processing products
010701	printing service			7		5		1	4	3	1	2	3	1	2					1	3			1		34	printing service
010509	other furniture			2				2	2	2				3	4	2	2	4	1	1	2	1	1	1		30	other furniture
011503	railway vehicle products			2		3		2	3		3	4	1	1	1	1		2	2		2		1			28	railway vehicle products
080204	fuel retail			4		1		1	1	2		2	2			2		2	2	3	2	2		2		28	fuel retail
010502	metal furniture			2		2		3		2	2	1	2	4			1	2	4			1		1		27	metal furniture
170101	dispatch service			2		6		2	2	1	1	1	2			1	2			3			1	2		26	dispatch service
010102	fishery products			5				4	3	2	1	1	1	2	1	1	1	1								23	fishery products
050101	land cargo handling service			1		1		2	3	4	2	1	1		1			1	1	2				1		21	land cargo handling service
120109	other education/research service			5		3		1		3		2	1	1	1		1	1		1						20	other education/research service
010101	meat/dairy products			4		2		2	1	1	1	1	1		1					2		2				19	meat/dairy products
030105	bridge construction work			1		2		2	2	2	1	1	1	2		1	1		1	1	1					19	bridge construction work
080202	auto mobile retail			2		1			1		2	1	1	1		1			1		1	2	2	2		18	auto mobile retail
010309	other fiber products			1		1					1	1	3	1		2		1	2	2		1	1			17	other fiber products
080201	all kinds of retail			3		2		1	1	3	2		1				1		1					2		17	all kinds of retail
010501	wood furniture			1		4		2		1	1	1		2	1		1			1						15	wood furniture
010503	fittings			1		1		2			1	2	1	1		1	1					3		1		15	fittings
010209	other textile products			2		2			1	2		1		1				1					3	1		14	other textile products
060209	other forestry			3		2			1	3	1	1	2											1		14	other forestry
130201	social welfare facility			1					1		1	2	1				1	1		1		2	1	1		13	social welfare facility
011703	cleaning							2	4	2	1						1	1								11	cleaning
030104	railway construction work			1		1		1	1	1			1						2			2	1			11	railway construction work
140309	other amusement service							1			3	1		1	2				1	1		1				11	other amusement service
080203	furniture/fittings retail			3							1			1		1	2			1	1					10	furniture/fittings retail
140301	golf course					1					2		3		2		1				1					10	golf course
010103	agricultural food products			1					1	2		1	1					1			1					8	agricultural food products
010402	plywood							1		1		1					2				1	1				8	plywood

