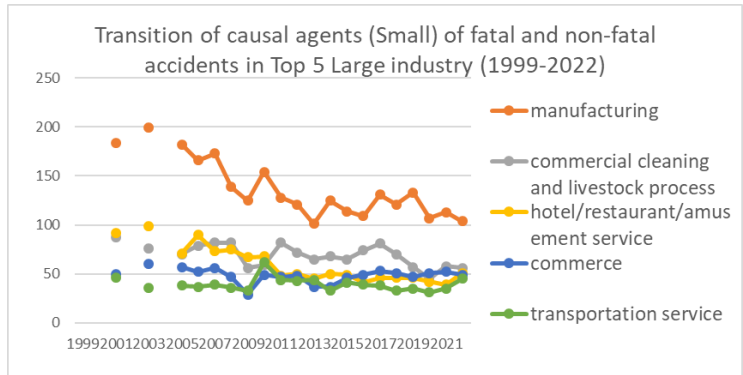
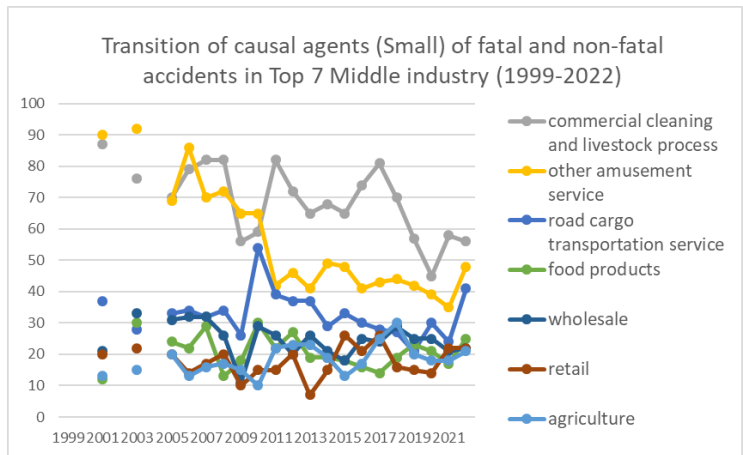


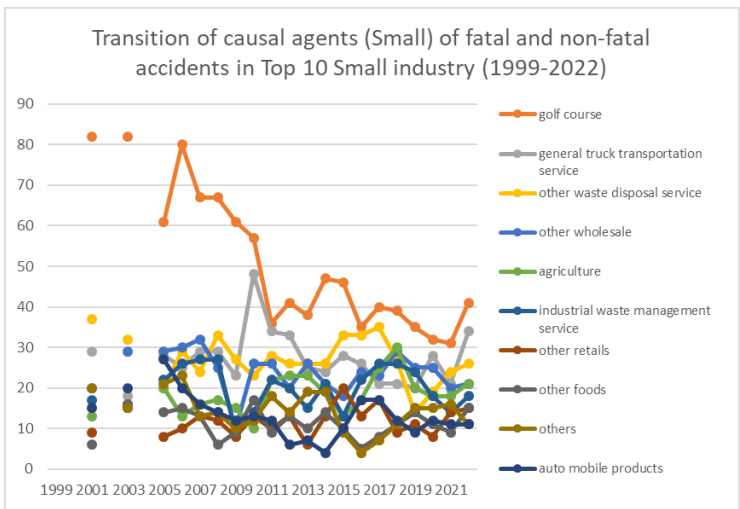
Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 229 other powered conveying machines (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 229 other powered conveying machines in Large industry (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 229 other powered conveying machines in Middle Industry (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 229 other powered conveying machines in Small Industry (1999-2022)

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 229 other powered conveying 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			184		199		182	166	173	139	125	154	128	121	101	125	114	109	131	121	133	107	113	104	2,729	manufacturing
15	commercial cleaning and livestock process			87		76		70	79	82	82	56	59	82	72	65	68	65	74	81	70	57	45	58	56	1,384	commercial cleaning and livestock process
14	hotel/restaurant/amusement service			92		99		71	90	73	75	67	68	48	50	45	50	49	41	46	46	46	42	39	51	1,188	hotel/restaurant/amusement service
08	commerce			50		60		57	52	56	47	29	49	47	48	37	37	46	49	53	51	47	51	52	49	967	commerce
04	transportation service			46		36		38	37	39	36	33	62	44	43	44	33	41	39	38	33	35	31	35	45	788	transportation service
03	construction			88		66		61	48	56	39	37	37	41	46	54	42	33	32	45	26	26	25	35	869	construction	
06	agriculture			46		47		53	55	52	55	49	41	61	65	58	61	23	26	30	41	25	20	19	23	850	agriculture
17	others			21		24		25	27	17	15	11	15	23	19	23	23	12	10	11	15	22	18	21	14	366	others
05	cargo handling service			22		15		21	29	16	28	14	16	21	13	15	19	10	8	13	19	15	13	12	10	329	cargo handling service
07	livestock/fishery			10		14		25	20	10	13	7	10	15	8	6	12	7	5	15	10	7	6	7	8	215	livestock/fishery
13	health and hygiene service			8		7		11	13	8	8	7	10	5	9	12	3	5	10	10	6	10	14	7	6	169	health and hygiene service
12	education/research service			3				1	3	1	3	1	3	2	1	2	2			1	1	4	1	3	3	35	education/research service
11	telecommunication service					1		5	1	1	3	2	1	2	3	2	1	2	2	3	1	1	1	3	2	37	telecommunication service
16	public office			1																			1		1	3	public office
02	mining			3		2		1	1	3		2	2	2		1	1	1	3		1	2				25	mining
09	financial business/advertisement			2				2	2			3					1							1		11	financial business/advertisement
10	movie/play service			2		1						1							1							5	movie/play service
	total			665		647		623	623	587	543	444	527	521	498	465	478	408	409	464	460	430	376	395	407	9,970	total

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 229 other powered conveying 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
	commercial cleaning and livestock																										commercial cleaning

1501	process			87		76		70	79	82	82	56	59	82	72	65	68	65	74	81	70	57	45	58	56	1,384	and livestock process
1403	other amusement service			90		92		69	86	70	72	65	65	42	46	41	49	48	41	43	44	42	39	35	48	1,127	other amusement service
0403	road cargo transportation service			37		28		33	34	32	34	26	54	39	37	37	29	33	30	28	27	21	30	24	41	654	road cargo transportation service
0101	food products			12		30		24	22	29	13	18	30	22	27	19	19	18	16	14	19	23	21	17	25	418	food products
0801	wholesale			21		33		31	32	32	26	11	29	26	20	26	21	18	25	24	29	25	25	21	22	497	wholesale
0802	retail			20		22		20	14	17	20	10	15	15	20	7	15	26	21	26	16	15	14	22	22	357	retail
0601	agriculture			13		15		20	13	16	17	15	10	22	23	23	19	13	17	25	30	20	18	18	21	368	agriculture
0109	sand and stone products			55		33		33	36	36	18	20	19	25	19	20	27	22	9	19	22	27	16	18	14	488	sand and stone products
0301	civil engineering work			42		34		32	20	19	14	17	16	15	21	23	22	11	16	11	19	10	11	11	14	378	civil engineering work
1702	others			21		22		24	26	16	15	11	15	22	19	23	22	11	9	11	15	22	18	20	14	356	others
0115	transport equipment products			22		26		37	23	20	20	17	17	13	7	12	6	16	20	21	17	13	19	11	14	351	transport equipment products
0303	other construction works			20		11		8	12	19	9	7	10	13	9	19	7	10	7	10	13	10	6	4	12	216	other construction works
0302	construction work			26		21		21	16	18	16	13	11	13	16	12	13	12	9	11	13	6	9	10	9	275	construction work
0501	land cargo handling service			14		13		17	22	11	24	11	13	16	11	14	15	10	7	10	17	14	10	9	9	267	land cargo handling service
0117	other manufacturing			17		15		7	14	13	11	11	11	10	5	12	9	10	12	7	7	7	10	9	8	205	other manufacturing
0113	machine products			5		11		9	8	8	4		9	8	10	4	7	8	6	7	8	6	1	6	8	133	machine products
0110	steel making			5		11		4	14	12	13	8	7	6	9	9	6	5	3	8	5	5	4	5	7	146	steel making
0112	metal products			22		22		20	19	9	22	14	14	17	14	8	15	13	14	12	11	11	5	18	6	286	metal products
0106	pulp/paper processing products			7		5		9	4	8	1	9	6	5	3		2	4	4	3	7	5	5	2	6	95	pulp/paper processing products
0701	livestock			7		8		10	12	8	11	4	5	9	6	5	8	4	5	10	8	6	5	7	5	143	livestock
0804	other commerce			9		5		6	6	7	1	8	5	6	8	4	1	2	3	3	6	7	12	9	5	113	other commerce
0114	electrical equipment products			5		4		9	2	5	7	4	4	3	3	1	3	2	1	4	2	8	3	3	4	77	electrical equipment products
1301	medical treatment service			3		4		4	3	4	3	4	6	2	3	2		2	4	3	4	3	5	2	4	65	medical treatment service
0108	chemical products			8		8		11	6	13	12	9	12	5	4	4	10	8	10	14	10	14	15	13	3	189	chemical products
0702	fishery			3		6		15	8	2	2	3	5	6	2	1	4	3		5	2	1	1		3	72	fishery
1201	education/research service			3				1	3	1	3	1	3	2	1	2	2			1	1	4	1	3	3	35	education/research service
0402	road passenger transport service			1		2			1			2	1	1	1		1	2	2	3	2	4		4	3	30	road passenger transport service
0602	forestry			33		32		33	42	36	38	34	31	39	42	35	42	10	9	5	11	5	2	1	2	482	forestry
1302	social welfare facility			5		3		6	9	4	5	3	4	3	6	10	3	3	6	6	2	7	8	4	2	99	social welfare facility
0111	nonferrous metal making			2		3			2	5	3	3	2	1	2	2	3		2	2	1	4	1	3	2	43	nonferrous metal making
1101	telecommunication service					1		5	1	1	3	2	1	2	3	2	1	2	2	3	1	1	1	3	2	37	telecommunication service

0102	textile products			2		5		1	1	4	3	1	1			1	2	2	2	1	1	2		2	2	33	textile products
1401	hotel					5			3			1	2	2	2							3	1	2	2	23	hotel
0103	fiber products					2							1		2				1						2	8	fiber products
0104	wood products			17		18		10	7	7	7	8	14	10	8	7	11	2	7	13	5	7	6	4	1	169	wood products
0401	railroad/water transportation/airline service			7		5		4	3	5	1	5	6	3	3	5	3	5	4	4	4	10	1	6	1	85	railroad/water transportation/airline service
0107	printing/bookbinding			4		4		7	7	2	4	3	6	3	6	1	3	3	2	6	3	1		2	1	68	printing/bookbinding
0502	harbor transportation service			8		2		4	7	5	4	3	3	5	2	1	4		1	3	2	1	3	3	1	62	harbor transportation service
1402	restaurant			2		2		2	1	3	3	1	1	4	2	4	1	1		3	2	1	2	2	1	38	restaurant
0105	furniture			1		2				1	1		1		1	1	1	1			1				1	12	furniture
1601	public office			1																			1		1	3	public office
0202	quarrying			2		2		1	1	3		2	2	1		1	1	1	3		1	2				23	quarrying
0404	other transportation service			1		1		1		1	1		1	1	2	2		1	3	3				1		19	other transportation service
1701	dispatch service					2		1	1	1				1			1	1	1					1		10	dispatch service
0116	electric/gas/water service							1	1	1					1		1				2		1			8	electric/gas/water service
0901	financial business			2				1	2			2					1									8	financial business
1001	movie/play service			2		1						1							1							5	movie/play service
1303	other health and hygiene service							1	1											1			1	1		5	other health and hygiene service
0902	advertisement and mediator							1				1												1		3	advertisement and mediator
0203	other mining			1										1												2	other mining
0201	coal mining																										coal mining
0803	haircut/beauty salon																										haircut/beauty salon
	total			665		647		623	623	587	543	444	527	521	498	465	478	408	409	464	460	430	376	395	407	9,970	total

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 229 other powered conveying machines in Small industry (1999-2022)

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	2022	total	Small industry
140301	golf course			82		82		61	80	67	67	61	57	36	41	38	47	46	35	40	39	35	32	31	41	1,018	golf course
040301	general truck transportation service			29		18		28	25	29	29	23	48	34	33	25	24	28	26	21	21	20	28	21	34	544	general truck transportation service
150103	other waste disposal service			37		32		20	29	24	33	27	23	28	26	26	26	33	33	35	27	14	19	24	26	542	other waste disposal service
080109	other wholesale			20		29		29	30	32	25	10	26	26	20	26	21	18	24	23	29	25	25	20	21	479	other wholesale
060101	agriculture			13		15		20	13	16	17	15	10	22	23	23	19	13	17	25	30	20	18	18	21	368	agriculture
150102	industrial waste management service			17		15		22	26	27	27	9	14	22	20	15	21	13	22	26	26	24	18	14	18	396	industrial waste management service
080209	other retails			9		16		8	10	13	12	8	13	10	13	6	13	20	13	17	9	11	8	14	15	238	other retails
010109	other foods			6		16		14	15	13	6	9	17	9	13	10	14	10	5	8	11	14	11	9	15	225	other foods
170209	others			20		15		21	23	13	14	10	12	18	14	19	19	9	4	7	11	15	15	16	11	286	others
011502	auto mobile products			15		20		27	20	16	14	12	13	12	6	7	4	10	17	17	12	9	12	11	11	265	auto mobile products

050101	land cargo handling service			14		13		17	22	11	24	11	13	16	11	14	15	10	7	10	17	14	10	9	9	267	land cargo handling service
150109	other cleaning and livestock process service			19		21		24	14	18	18	13	11	23	18	19	14	15	13	13	7	11	5	14	8	298	other cleaning and livestock process service
010901	cement products			27		16		17	19	24	9	14	12	15	15	14	15	11	5	13	11	15	12	10	8	282	cement products
030199	other civil engineering work			21		15		12	14	7	7	6	9	10	8	11	13	6	7	4	12	5	5	5	8	185	other civil engineering work
011301	machine products			5		11		9	6	7	4		8	7	7	3	5	7	6	5	8	6	1	5	8	118	machine products
030301	electricity/telecommunication work			7		4		3	8	2	3	3	3	7	1	4		4	1	3	2	5	2	1	7	70	electricity/telecommunication work
030201	steel frame/reinforced concrete house construction work			6		4		6	5	8	6	4	4	6	4	4	2	5	1	5	5	2	2	3	6	88	steel frame/reinforced concrete house construction work
140309	other amusement service			6		8		6	3	2	3	2	6	5	5	2	2	2	4	3	4	7	4	1	6	81	other amusement service
070101	livestock			7		8		10	12	8	11	4	5	9	6	5	8	4	5	10	8	6	5	7	5	143	livestock
011002	casting products			2		6		3	5	5	6	4	3	6	4	3	2	2	1	3	2	5	3		5	70	casting products
011701	auto mobile servicing			7		4		1	2	5	3	3	7	3	3	5	3	3	3	3	1	1	1	6	5	69	auto mobile servicing
011209	other metal products			14		19		15	18	7	17	12	13	12	12	5	14	12	9	9	7	6	3	12	4	220	other metal products
150101	building maintenance service			14		8		3	10	12	3	6	9	9	8	5	6	3	5	7	9	7	3	5	4	136	building maintenance service
030309	other construction works			9		2		3	4	7	5	2	5	5	6	7	6	2	5	4	10	4	3	2	4	95	other construction works
040302	specific truck transportation service			4		6		2	3	2	3	2	3	4	4	6	3	3	2	7	2	1	1	1	4	63	specific truck transportation service
130101	hospital			2		4		4	3	3	3	3	6	2	3	2		2	4	3	3	3	4	1	4	59	hospital
010102	fishery products			1		3		3	1	4	1	2	1	2	4	2	1	4	2	2	2	1	2	1	4	43	fishery products
010909	other sand and stone products			15		13		10	9	6	6	2	5	6	3	5	8	5	3	4	2	5	3	4	3	117	other sand and stone products
170201	security service			1		6		3	3	3	1	1	3	4	5	4	3	2	5	4	4	7	3	4	3	69	security service
070201	fishery			2		5		15	6	2	1	3	3	3	2		4	1		4	1	1	1		3	57	fishery
010602	paper processing products			6		1		6	2	4		4	4	3	1		2	4	2	2	5	3	3	1	3	56	paper processing products
080409	other commerce			4		3		5	2	4		6		2	3	1	1	1	1	2		3	6	5	3	52	other commerce
010903	pottery products			7		1		2	6	3	1	3					1	4		1	6	2	1	1	3	42	pottery products
040309	other land cargo transportation service			4		4		2	2	1	2	1	2	1		6	2	2	2		3		1	2	3	40	other land cargo transportation service
120109	other education/research service			3				1	2	1	3		3	2	1	2	2			1	1	4	1	3	3	33	other education/research service
011409	other electrical equipment			1		3		4		4	3	1		1		1			1	3		4	1	1	3	31	other electrical equipment
080202	auto mobile retail			2				1		3	1							2	2	3	2	1	2	3	22	auto mobile retail	
010609	other pulp/paper processing products					2		1	1	2		2	1		1					1	1	1	2	1	3	19	other pulp/paper processing products
060209	other forestry			10		4		6	10	9	9	5	10	11	12	6	15	4		1	1	2	2	1	2	120	other forestry
130201	social welfare facility			5		3		6	9	4	5	3	4	3	6	10	3	3	6	6	2	7	8	4	2	99	social welfare facility
010805	plastics products			3		2		2	1	3	6	3	4	2		2	3	1	5	7	5	3	6	4	2	64	plastics products
080401	warehousing			5		2		1	4	3	1	2	5	4	5	3		1	2	1	6	4	6	4	2	61	warehousing
010101	meat/dairy products			1		6			4	3	2	4	8	5	6	3			1	2	2	1	3	2	2	55	meat/dairy products
030106	road construction work			1		9		8	1	2	2	1	3	1	5	4	5	2	1	3		1	2	2	2	55	road construction work
011501	ship building			2		5		7	2	2	4	2	2	1		1		4	1	2	3	2	6		2	48	ship building

011702	machine repair			3		6		1	1	5	1	1		3		3	1	3	3	3			1	2	2	39	machine repair
110101	telecommunication service					1		5	1	1	3	2	1	2	3	2	1	2	2	3	1	1	1	3	2	37	telecommunication service
011204	metal plating products			4		2		3	1	1	2	2		3		2			2	2	3	3	2	2	2	36	metal plating products
080204	fuel retail			3		1		3	1	1	1			1	4		1	1	3	4	2	1	2	3	2	34	fuel retail
010103	agricultural food products			1				4		1	3			1	1	2	1		2			4		1	2	23	agricultural food products
140101	hotel					5			3			1	2	2	2							3	1	2	2	23	hotel
030203	building facility construction work			2		1		1	2	1			2		1	2	1	1	1		1		1	3	2	22	building facility construction work
010106	soft drinks			1		3		1		1		1	2	1			1		2			1		3	2	19	soft drinks
010209	other textile products					2		1	2								1		1	1					2	10	other textile products
040201	taxi service										1		1								1	3		1	2	9	taxi service
030209	other building construction work			10		10		8	6	5	6	7	2	7	10	5	8	5	4	5	6	4	4	1	1	114	other building construction work
011709	other manufacturing			4		3		3	7	3	4	5	3	3		2	4	2	5	1	4	4	2		1	60	other manufacturing
011001	steel/iron/rolling products			1		2		1	8	3	4	2	3		5	4	2	3	2	4	3		1	4	1	53	steel/iron/rolling products
080201	all kinds of retail			4		3		9	2	2	4	1	2	4	2		1	5	1	2	2	1	3	3	1	52	all kinds of retail
030302	machinery/apparatus setting work			4		5		2		10	1	2	2	1	2	8	1	4	1	3	1	1	1	1	1	51	machinery/apparatus setting work
010701	printing service			1		3		7	3	1	3	3	4	2	4		2	3	2	4	3	1		2	1	49	printing service
050202	port cargo handling service			3		2		3	7	5	4	3	2	4	2	1	2		1	2	1	1	2	3	1	49	port cargo handling service
040103	airline service			3		2		2	1	1		3	2	3			1	2	1	1	4	7		6	1	40	airline service
010409	other lumber and wood products			3		3		2	2		2	2	1	3	1	2	5			1	3	1	1		1	33	other lumber and wood products
010899	other chemical products			3		2			2	1	2	2		1	1	2	4		3	1	1	3	1	1	30	other chemical products	
140302	park and amusement park			2		2		2	3	1	2	2	2	1		1			2		1		3	3	1	28	park and amusement park
011509	other transport equipment products			4		1		2	1	2	1		1		1	4	1	2		2	2	1			1	26	other transport equipment products
011009	other steel products			2		3		1	4	3	2	1			2	2			1					1	1	23	other steel products
011109	other nonferrous metal products			1		2		2	2	1	2				1	1		2	1	1	3	1	1	1	1	22	other nonferrous metal products
030109	land consolidation civil engineering work			4		2		1	1	2	2					1	1	3		1	1	1		1	1	21	land consolidation civil engineering work
040202	bus service			1		2			1		1	1		1		1	2	2	3	1	1		3	1	21	bus service	
030104	railway construction work					1		3	1	1			1					3	1			1	2	1	16	railway construction work	
080101	all kinds of wholesale			1		4		2	2		1	1	2						1				1	1	16	all kinds of wholesale	
011402	electrical appliance			1				2		1	1			1	1		1	1		1	1		1	1	13	electrical appliance	
140209	other restaurants							1	2	3	1		1	1					1			1	1	1	13	other restaurants	
011101	nonferrous metals/rolling products					1				1	1			2	1	1			1		1		2	1	12	nonferrous metals/rolling products	
030102	tunnel construction work			3				1	1	1	1		1	1	1				1					1	12	tunnel construction work	
080203	furniture/fittings retail					1			1					1	1			2						1	7	furniture/fittings retail	
010502	metal furniture					1			1					1	1					1				1	6	metal furniture	
030101	hydroelectric plant construction work			1		1						1							1				1	1	6	hydroelectric plant construction work	

