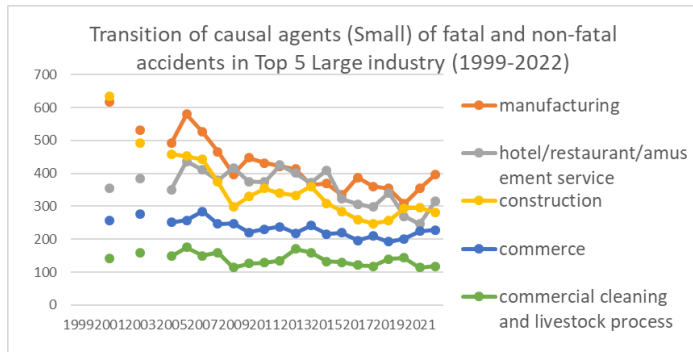
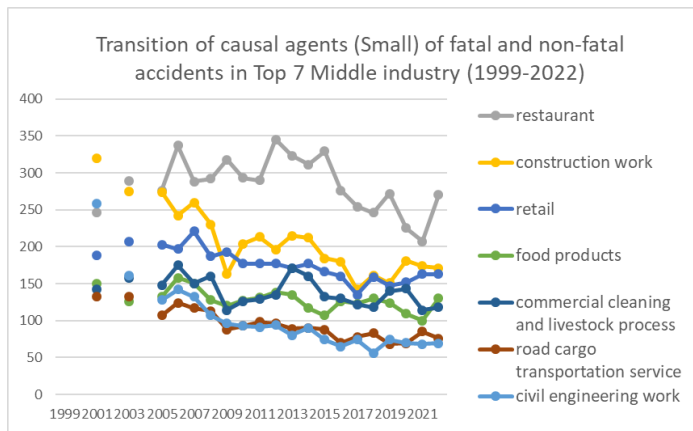


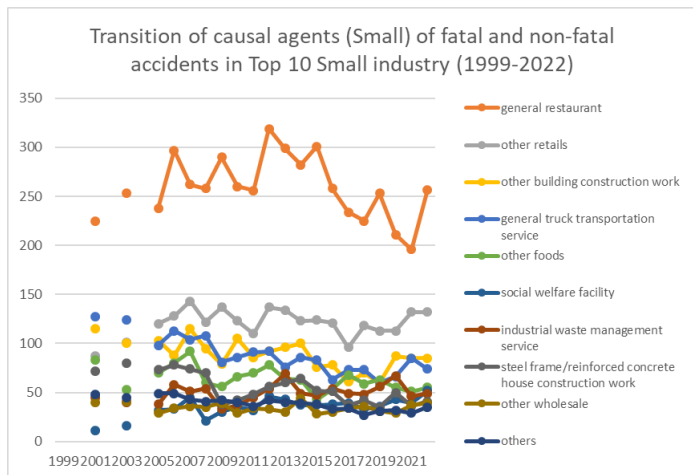
Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 529 other materials (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 529 other materials in Large industry (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 529 other materials in Middle Industry (1999-2022)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 529 other materials in Small Industry (1999-2022)

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 529 other materials 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			616		531		492	580	526	466	397	447	431	422	413	367	369	335	387	360	354	308	354	396	8,551	manufacturing
14	hotel/restaurant/amusement service			355		385		351	436	411	379	417	375	374	425	401	372	410	323	306	298	341	270	246	315	7,190	hotel/restaurant/amusement service
03	construction			635		491		458	452	442	374	298	330	354	340	334	360	309	285	260	248	256	294	295	282	7,097	construction
08	commerce			257		277		251	257	284	246	248	221	231	238	218	242	216	219	196	210	193	201	225	228	4,658	commerce
15	commercial cleaning and livestock process			142		158		148	175	150	160	114	126	129	135	171	160	132	130	122	118	140	143	114	118	2,785	commercial cleaning and livestock process
04	transportation service			140		144		111	137	124	126	93	102	107	107	96	103	101	72	81	89	71	77	94	81	2,056	transportation service
13	health and hygiene service			33		39		54	61	79	37	46	53	46	65	61	52	52	49	50	51	51	64	50	74	1,067	health and hygiene service
17	others			60		50		58	58	56	56	53	46	46	51	48	51	44	45	37	35	43	36	40	46	959	others
05	cargo handling service			15		13		12	13	16	13	13	7	12	11	14	18	17	16	16	1	18	14	18	10	267	cargo handling service
07	livestock/fishery			7		11		17	11	9	14	9	12	13	11	11	11	9	10	10	14	15	5	9	10	218	livestock/fishery
09	financial business/advertisement			3		3		4	7	2	2		5	3	6	2	4	5	2	3	4	4	1	1	6	67	financial business/advertisement
12	education/research service			6		9		4	10	14	11	9	9	4	6	6	8	3	4	10	6	8	8	3	5	143	education/research service
06	agriculture			7		10		3	4	12	3	7	5	6	9	15	8	6	8	5	10	5	5	5	5	138	agriculture
10	movie/play service			3				3	1	1		3			1	1					4	2	1	1	3	24	movie/play service
11	telecommunication service					1		3	5	5	1	2	2	3	4	3	4	3	2	2	1	2	5	3	1	52	telecommunication service
02	mining			3		3		3	2	2		1		2		2			1	1	2		1		1	24	mining
16	public office			4		2		5	2	1	2		1		1	2						1	2			23	public office
	total			2,286		2,127		1,977	2,211	2,134	1,890	1,710	1,741	1,761	1,832	1,798	1,760	1,676	1,501	1,486	1,451	1,504	1,435	1,458	1,581	35,319	total

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 529 other materials 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
1402	restaurant			246		289		276	337	288	292	318	293	290	345	323	311	329	276	254	246	272	225	207	270	5,687	restaurant
0302	construction work			320		275		274	242	260	230	163	204	213	196	215	212	184	180	142	161	151	181	174	171	4,148	construction work
0802	retail			188		207		203	197	221	187	193	177	177	177	171	177	166	160	135	159	147	152	163	163	3,520	retail
0101	food products			150		126		132	158	150	128	120	127	131	138	135	117	107	126	123	130	124	109	100	130	2,561	food products
1501	commercial cleaning and livestock process			142		158		148	175	150	160	114	126	129	135	171	160	132	130	122	118	140	143	114	118	2,785	commercial cleaning and livestock process
0403	road cargo transportation service			133		133		107	124	117	113	88	93	98	96	89	90	88	70	78	83	68	69	85	76	1,898	road cargo transportation service
0301	civil engineering work			258		161		128	142	132	107	96	93	91	94	80	90	74	65	74	56	74	70	68	69	2,022	civil engineering work
0108	chemical products			54		54		50	62	66	59	52	65	61	44	52	52	47	37	59	32	42	39	45	58	1,030	chemical products
1302	social welfare facility			11		16		32	33	45	21	30	35	32	46	43	37	37	38	39	33	36	43	39	52	698	social welfare facility
1702	others			57		48		56	57	54	54	52	46	44	50	45	50	41	42	37	34	41	34	40	46	928	others
0109	sand and stone products			141		95		78	100	76	60	49	57	60	60	60	42	57	41	41	48	39	34	56	43	1,237	sand and stone products
0801	wholesale			55		51		32	41	40	36	42	31	38	40	32	49	28	35	40	38	31	30	38	43	770	wholesale
0303	other construction works			57		55		56	68	50	37	39	33	50	50	39	58	51	40	44	31	31	43	53	42	927	other construction works
0117	other manufacturing			58		39		50	42	52	46	38	35	32	33	45	40	27	31	38	33	32	34	24	37	766	other manufacturing
0106	pulp/paper processing products			20		32		32	40	27	26	22	19	19	20	20	13	24	11	16	20	19	12	30	28	450	pulp/paper processing products

1401	hotel			68		53		38	47	45	50	54	40	48	42	51	33	43	26	26	31	37	23	23	25	803	hotel
0112	metal products			44		38		34	34	26	34	30	33	25	27	22	18	28	18	20	23	25	22	20	22	543	metal products
1301	medical treatment service			20		20		15	23	25	15	12	16	12	12	15	10	14	8	9	15	11	18	9	22	301	medical treatment service
1403	other amusement service			41		43		37	52	78	37	45	42	36	38	27	28	38	21	26	21	32	22	16	20	700	other amusement service
0804	other commerce			14		17		15	16	21	22	12	12	14	19	15	14	21	22	17	11	13	14	23	18	330	other commerce
0115	transport equipment products			15		16		15	23	20	18	12	10	11	13	13	9	11	10	19	19	10	8	9	16	277	transport equipment products
0114	electrical equipment products			24		28		15	18	36	24	12	24	14	9	7	8	12	13	15	5	14	9	13	15	315	electrical equipment products
0111	nonferrous metal making			5		9		6	9	7	10	2	7	3	5	2	8	3	3	6		3	2	3	10	103	nonferrous metal making
0113	machine products			20		21		19	19	17	16	15	12	24	13	14	17	10	6	9	11	5	7	13	9	277	machine products
0501	land cargo handling service			10		9		7	10	9	6	12	4	8	10	12	12	15	15	15	1	14	10	16	9	204	land cargo handling service
0102	textile products			11		14		11	15	8	10	4	9	11	9	7	6	12	4	12	6	8	4	5	9	175	textile products
0107	printing/bookbinding			22		15		17	15	16	12	17	15	11	11	11	10	13	9	10	7	14	7	15	7	254	printing/bookbinding
1201	education/research service			6		9		4	10	14	11	9	9	4	6	6	8	3	4	10	6	8	8	3	5	143	education/research service
0103	fiber products			12		5		4	12	5	6	3	10	6	10	7	6	2	6	4	7	8	4	4	5	126	fiber products
0702	fishery			6		7		5	9	6	11	4	6	6	4	6	2	2	3	6	5	8	5	4	5	110	fishery
0701	livestock			1		4		12	2	3	3	5	6	7	7	5	9	7	7	4	9	7		5	5	108	livestock
0110	steel making			18		12		9	13	13	6	9	10	14	7	7	5	4	7	8	9	4	8	7	4	174	steel making
0601	agriculture			5		8		2	3	7	3	7	4	6	7	14	8	4	7	5	8	5	5	4	4	116	agriculture
0402	road passenger transport service			4		6		2	9	6	7	3	6	7	6	5	7	8	1	3	3	1	5	8	4	101	road passenger transport service
0803	haircut/beauty salon					2		1	3	2	1	1	1	2	2		2	1	2	4	2	2	5	1	4	38	haircut/beauty salon
0902	advertisement and mediator			2		3		2	4		2		2	2	3	1	3	2		1	1	3			4	35	advertisement and mediator
1001	movie/play service			3				3	1	1		3			1	1					4	2	1	1	3	24	movie/play service
0105	furniture			10		16		9	10	4	6	6	7	2	9	5	8	3	2	2	7	2	7	6	2	123	furniture
0901	financial business			1				2	3	2			3	1	3	1	1	3	2	2	3	1	1	1	2	32	financial business
0104	wood products			11		11		6	7	3	5	5	6	7	14	4	7	8	10	5	2	5	2	2	1	121	wood products
0502	harbor transportation service			5		4		5	3	7	7	1	3	4	1	2	6	2	1	1		4	4	2	1	63	harbor transportation service
1101	telecommunication service					1		3	5	5	1	2	2	3	4	3	4	3	2	2	1	2	5	3	1	52	telecommunication service
0401	railroad/water transportation/airline service			2		2		1	3	1	2	1	1	1	5	1	5	4	1		3	2	2	1	1	39	railroad/water transportation/airline service
0602	forestry			2		2		1	1	5			1		2	1		2	1		2			1	1	22	forestry
0202	quarrying			2		2		3	1	2		1		2		2			1	1	1		1		1	20	quarrying
1303	other health and hygiene service			2		3		7	5	9	1	4	2	2	7	3	5	1	3	2	3	4	3	2		68	other health and hygiene service
1701	dispatch service			3		2		2	1	2	2	1		2	1	3	1	3	3		1	2	2			31	dispatch service
1601	public office			4		2		5	2	1	2		1		1	2						1	2			23	public office
0116	electric/gas/water service			1				5	3			1	1			2	1	1	1		1			2		19	electric/gas/water





011001	steel/iron/rolling products			6		2			3	6	1	5	4	2	2		2	1	1	2	1	1	2	3	46	steel/iron/rolling products	
070209	other fishery			3		3		3	6	1	3		1			6	1	1	1	2	2	3	3	1	3	43	other fishery
011305	other precision machine products					3		4	4	1	1		1	2	5	2	4	2	1		3	2	1	2	3	41	other precision machine products
130102	general clinic			3				2	4	2	2	1	2	1	2	2	3		2	1	2	2	1	2	3	37	general clinic
140302	park and amusement park			3		1				2	1	2	2		2	1	2	1		2	2	4	1	1	3	30	park and amusement park
030105	bridge construction work			1		5		2	2	1	2	1	1		1	1		1	1	3		1	1		3	27	bridge construction work
100109	other movie/play service			3				2	1				2			1	1				2	2	1	1	3	19	other movie/play service
030302	machinery/apparatus setting work			3		8		10	4	8	7	3	3	5	7	2	2	7	2	2	3		6	7	2	91	machinery/apparatus setting work
010801	non organic or organic chemical products			3		5		6	8	4	4	3	3	9	3	5	4	2	5	6	3	4	3	5	2	87	non organic or organic chemical products
070201	fishery			3		4		2	3	5	8	4	5	6	4		1	1	2	4	3	5	2	3	2	67	fishery
040201	taxi service			1		2		1	6		3	3	1	6	4	2	1	5	1	1	3	1	3	4	2	50	taxi service
011203	metal press products					3		4	4	4	2	4	3		3	4	1		1		2	5	3	2	2	47	metal press products
040202	bus service			3		3		1	3	6	3		5	1	2	3	5	2		1			2	4	2	46	bus service
010803	pharmaceuticals			3		2		2	1	3	3	1	2	7	1	3	1	2		2	2	1	3		2	41	pharmaceuticals
130109	other medical treatment service					1		2	1	6	2	1	2	1	2	1	2	3	1	1	2	1	1		2	32	other medical treatment service
011101	nonferrous metals/rolling products			2		3			4	1	1		3	1	2		5		2			2		2	2	30	nonferrous metals/rolling products
011303	optical instruments			2		3		5		3	2	1		3	1	2	1		2	2					2	29	optical instruments
011401	heavy electrical equipment			3				1	2	2	1		1	1			1	2	2		1		1	1	2	21	heavy electrical equipment
010809	chemical fertilizer products							2	1	2			1	2	2	1	1	1	1					1	2	17	chemical fertilizer products
090103	insurance business							2	1				1	1	2		1	1	1	1	2		1	1	2	17	insurance business
011002	casting products			8		6		8	8	7	4	3	5	9	3	3	3	1	6	6	5	1	4	3	1	94	casting products
080204	fuel retail			12		7		9	6	8	7	4	7	4	2	4	3	5	3	2	3	1	2	4	1	94	fuel retail
010601	pulp/paper			3		4		5	10	4	7	7	3	2	1	4	1	2	1	3		4	6	10	1	78	pulp/paper
010105	alcoholic drinks			3		5		7	7	3	5	2	4	2		6	4	1	3	4	5	2	4	3	1	71	alcoholic drinks
040309	other land cargo transportation service			2		3		4	5	6	4	4	2	5	1	9	1	4	1	2	5	4			1	63	other land cargo transportation service
040302	specific truck transportation service			4		6		4	5	6	1	3	4	1	3	3	2		5	2	4	3	3		1	60	specific truck transportation service
050202	port cargo handling service			4		4		4	3	7	6	1	2	2	1	2	6	1				4	3	1	1	52	port cargo handling service
110101	telecommunication service					1		3	5	5	1	2	2	3	4	3	4	3	2	2	1	2	5	3	1	52	telecommunication service
010905	other ceramic products			4		3		7		6	3	4	2	1	1	3		5	1	2		1	2		1	46	other ceramic products
010501	wood furniture			5		3		2	2	1	2	2	2		5	4	4		1	1	4		2	2	1	43	wood furniture
080205	newspaper retail			2		1		5		2	4	2	1	4	1	2	3	1	2	1	4	3	2	2	1	43	newspaper retail
010503	fittings			3		8		3	4	1	4	2	5	1	3		1	1		1		2			1	40	fittings
030108	sand collapse prevention civil engineering work			4		3		1	3	2	4	1		5	5		2		1	2	1	1	1	2	1	39	sand collapse prevention civil engineering work
010203	weaving			3				2	4	1	1	1	2	5	3	2	1	3	2	1		3		2	1	37	weaving
010204	dyeing			4		1		1	4	2	4	1	2	1		1	2	3	1	3	1	1			1	33	dyeing
011204	metal plating products					2		2	4	4	2	1	1	1	4		1	1	1		3	1	3	1	1	33	metal plating products
010709	other printing and bookbinding			4		2		4	1	2	1	2	3	2	1	1		1		1	2	1		2	1	31	other printing and bookbinding
030102	tunnel construction work			3				3	2		3	3	2	3		1		1		1		6			1	29	tunnel construction work

030104	railway construction work			3		5		1	1	3		1		1	1	1	1	2	2	2		2	1	28	railway construction work		
080102	furniture/fittings wholesale			3		1			2			2	1	3	3	2	4		1	1	1		1		26	furniture/fittings wholesale	
150105	livestock process service			2		2		1	1	2	1		1		2			1	2	1	4	2	1	1	1	25	livestock process service
010807	leather products			1		4			3			4	2	1		1	1	1		3		2		1	24	leather products	
011509	other transport equipment products			2		4		1	2	1	1	1	2		1		2	1	1		4			1	24	other transport equipment products	
010702	bookbinding			4		2			1	2	1	3	1	1	2			1		1			2	1	23	bookbinding	
010804	petroleum/coal products					2			2	2		2	1	1	1	1	1	1	3	3		2		1	23	petroleum/coal products	
011102	nonferrous metals casting products					3		2	1	2	2					1	2	2		3		1	1	1	1	22	nonferrous metals casting products
040101	railroad service					1			1	1		1	1	1	2		2	3			1	1	1		1	17	railroad service
010402	plywood			1					1			2			1	1	1	2	2	2			2		1	16	plywood
060201	lumbering			1		2			1	3			1		1	1									1	11	lumbering
010802	chemical fiber								1		1	1	2					1	1	1			1		1	10	chemical fiber
010202	cotton-spinning					3		1							2						1			1	1	9	cotton-spinning
020202	gravel digging			1				2	1	1		1											1		1	9	gravel digging
010201	silk-reeling					1		2			1														1	5	silk-reeling
010409	other lumber and wood products			6		7			3	1	3	1	4	5	9	2	5	4	5		2	3		2		62	other lumber and wood products
130301	bathroom			1		2		4	2	7	1	2	1	2	3	3	4	1	3	2	3	3	2	1		47	bathroom
011402	electrical appliance			5		2		2	2	2	6	3	4	2	1	1	2	2	2	2	1	3	1	3		46	electrical appliance
010401	lumbering			4		4		6	3	2	2	2	2	2	4	1	1	2	3	3		2				43	lumbering
011702	machine repair			5		1		2	5	1	4	1	2	2	1	5	2	2	1	2			2			38	machine repair
010509	other furniture			2		4		4	3	2		2		1	1	1	2	2	1		3		4	3		35	other furniture
011009	other steel products			4		4		1	2		1	1	1	3	2	2	2	1		1	2	2	3	2		34	other steel products
011501	ship building			3		2		2	5	4	3	1	1	2	1	1	1	2	2	1		1		2		34	ship building
170101	dispatch service			3		2		2	1	2	2	1		2	1	3	1	3	3		1	2	2			31	dispatch service
010301	over/under wear			3		3			2				3	3	4	1			3		1		2	2		27	over/under wear
160101	public office			4		2		5	2	1	2		1		1	2						1	2			23	public office
030111	port/seaside construction work			1		2		4	4	2		1		1	1	2			1			1	2			22	port/seaside construction work
010904	fire resisting products			4					1	5		1		2	1		1	1	2	1	1			1		21	fire resisting products
130309	other health and hygiene service			1		1		3	3	2		2	1		4		1					1	1	1		21	other health and hygiene service
040409	other transportation service			1		3		1	1		4	1	2	1		1	1	1					1			18	other transportation service
040103	airline service			2		1			2					3		1	1	1	1		1	1	1	1		15	airline service
011302	measuring instruments			2					1			3		2		1		1	1					1		12	measuring instruments
040303	cargo/ light automobile transportation service							1	1	1			1	1		1	1	1	1	1	1					12	cargo/ light automobile transportation service
060209	other forestry			1				1		2				1			2	1		2			1			11	other forestry
090101	banking/trust business			1						1				1	1		2	1	1	1	1					10	banking/trust business
020201	quarrying			1		1		1		1			1		1			1	1	1						9	quarrying
010808	painting products			1				1	2			1				2				1						8	painting products
011603	city water service			1				1	3			1			1								1			8	city water service
011201	western tableware/cutting tool products			1				1			1				1				1		1	1				7	western tableware/cutting tool products

