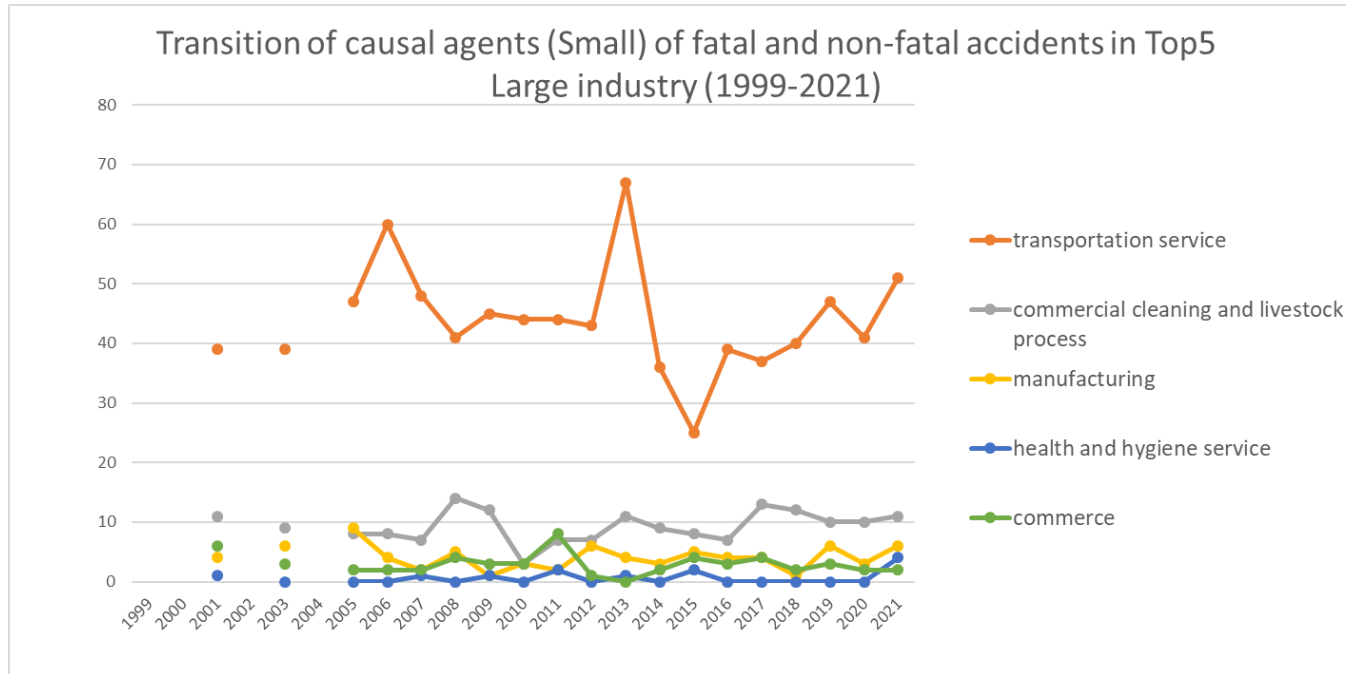
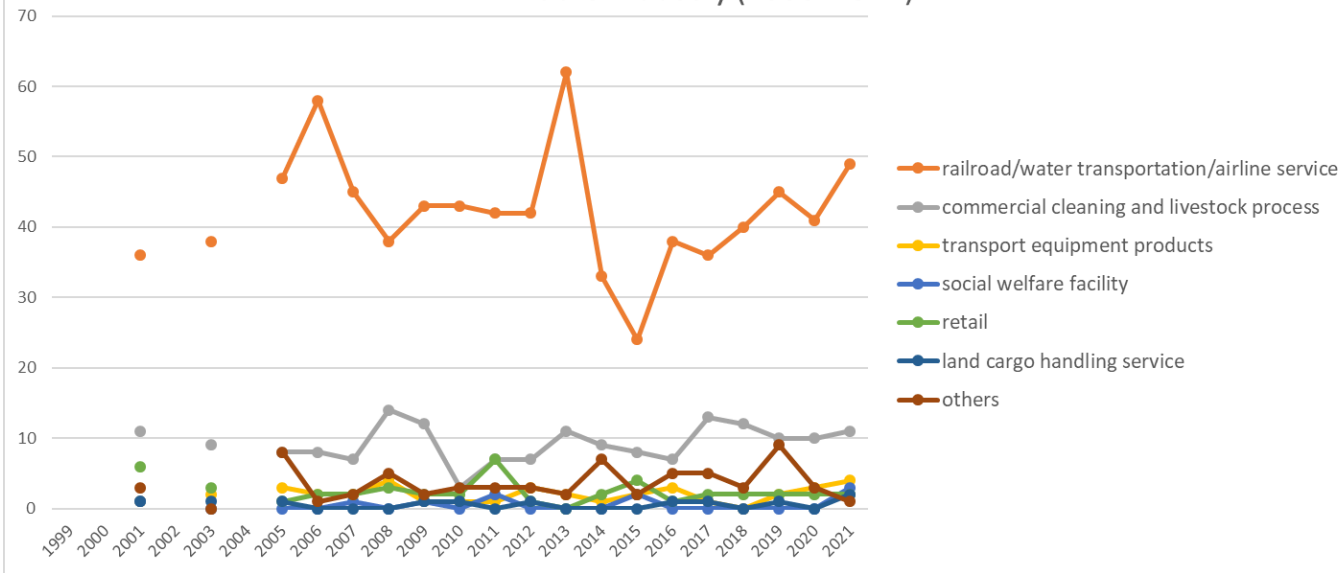


Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 232 railway vehicle (1999-2021)



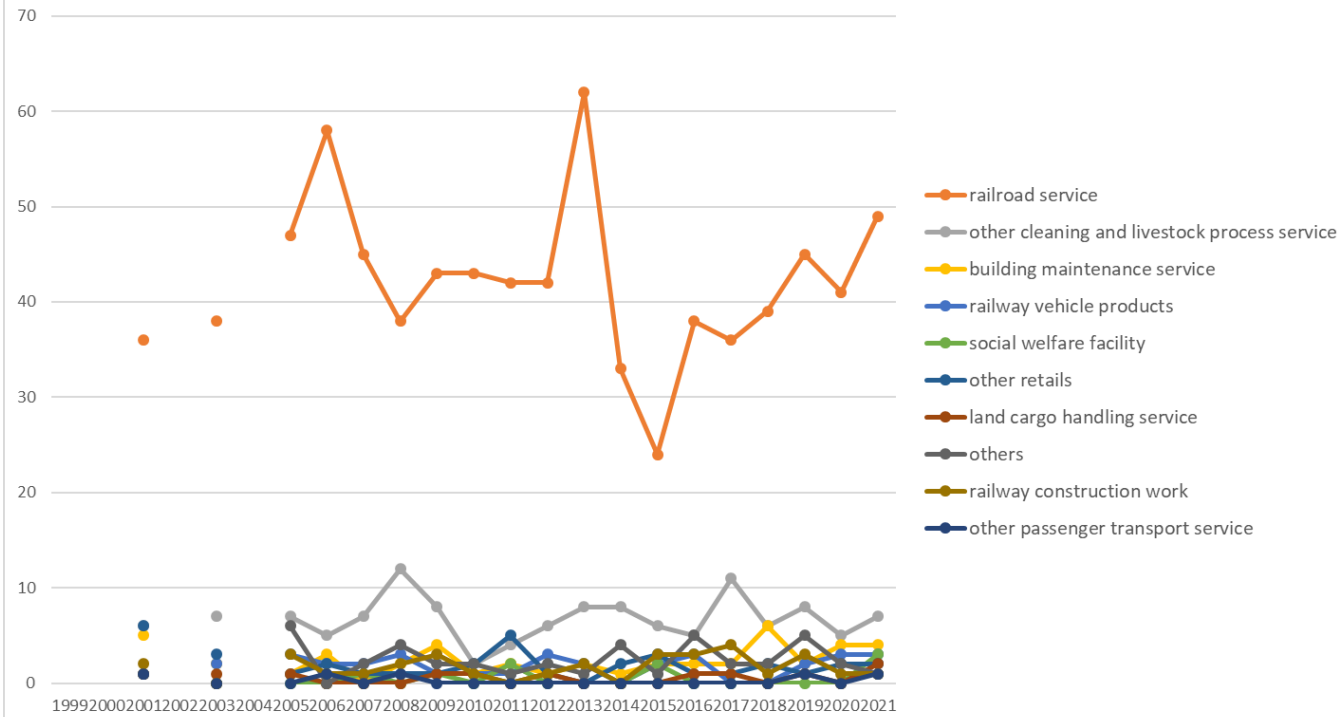
Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 232 railway vehicle in Large industry (1999-2021)

Transition of causal agents (Small) of fatal and non-fatal accidents in Top7 Middle industry (1999-2021)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 232 railway vehicle in Middle Industry (1999-2021)

Transition of causal agents (Small) of fatal and non-fatal accidents in Top10 Small industry (1999-2021)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 232 railway vehicle in Small Industry (1999-2021)

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 232 railway vehicle 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
04	transportation service			39		39		47	60	48	41	45	44	44	43	67	36	25	39	37	40	47	41	51	833	transportation service
15	commercial cleaning and livestock process			11		9		8	8	7	14	12	3	7	7	11	9	8	7	13	12	10	10	11	177	commercial cleaning and livestock process
01	manufacturing			4		6		9	4	2	5	1	3	2	6	4	3	5	4	4	1	6	3	6	78	manufacturing
13	health and hygiene service			1						1		1		2		1		2						4	12	health and hygiene service
08	commerce			6		3		2	2	2	4	3	3	8	1		2	4	3	4	2	3	2	2	56	commerce
05	cargo handling service			1		1		1				1	1		1				1	1		1		2	11	cargo handling service
17	others			3		1		10	1	2	5	2	3	3	3	2	7	2	5	6	3	9	3	1	71	others

03	construction			5		3		9	3	1	2	8	3	2	2	4	3	4	6	5	1	4	4	1	70	construction
11	telecommunication service			1					1		1										1			1	5	telecommunication service
09	financial business/advertisement			1				3	1	1	1	1	1	2	1	2	3			1	4	1	2		25	financial business/advertisement
14	hotel/restaurant/amusement service					1		2	1			1	1	1			1		1	1	1				11	hotel/restaurant/amusement service
12	education/research service							1	1	1			2				1		1						7	education/research service
07	livestock/fishery					1													1						2	livestock/fishery
06	agriculture																		1						1	agriculture
10	movie/play service								1																1	movie/play service
02	mining																									mining
16	public office																									public office
	total			72		64		92	83	65	73	75	64	71	64	91	65	50	67	74	65	81	65	79	1,360	total

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 232 railway vehicle 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
0401	railroad/water transportation/airline service			36		38		47	58	45	38	43	43	42	42	62	33	24	38	36	40	45	41	49	800	railroad/water transportation/airline service
1501	commercial cleaning and livestock process			11		9		8	8	7	14	12	3	7	7	11	9	8	7	13	12	10	10	11	177	commercial cleaning and livestock process
0115	transport equipment products			1		2		3	2	2	4	1	1	1	3	2	1	2	3	1		2	3	4	38	transport equipment products
1302	social welfare facility			1						1		1		2				2						3	10	social welfare facility
0802	retail			6		3		1	2	2	3	2	2	7	1		2	4	1	2	2	2	2	2	46	retail
0501	land cargo handling service			1		1		1				1	1		1				1	1		1		2	11	land cargo handling service

																										service
1702	others			3			8	1	2	5	2	3	3	3	2	7	2	5	5	3	9	3	1	67	others	
0301	civil engineering work			3		1	4	1	1	2	5	1		1	2	1	3	3	4	1	3	3	1	40	civil engineering work	
0403	road cargo transportation service			1		1				3	2	2	1	1		3	3	1	1				1	20	road cargo transportation service	
0402	road passenger transport service			2				2		1			1	1	2			1		1			1	12	road passenger transport service	
0110	steel making			1						1						1			1				1	5	steel making	
1101	telecommunication service			1				1		1									1				1	5	telecommunication service	
1303	other health and hygiene service															1							1	2	other health and hygiene service	
0112	metal products																						1	1	metal products	
0303	other construction works			2		2	4	1			1	1	1		1	2	1	3			1			20	other construction works	
0901	financial business						2		1	1	1		1	1	2	2			1	2	1	1		16	financial business	
0117	other manufacturing			1		2		1					1	2			2	1		1	2			13	other manufacturing	
0302	construction work						1	1			2	1	1	1	1				1			1		10	construction work	
0902	advertisement and mediator			1			1	1					1	1		1				2		1		9	advertisement and mediator	
0801	wholesale						1				1		1					2	2		1			8	wholesale	
0114	electrical equipment products						4	1									1		1					7	electrical equipment products	
1201	education/research service						1	1	1				2			1		1						7	education/research service	
1402	restaurant						2									1		1		1				5	restaurant	
0101	food products					1									1						2			4	food products	

011001	steel/iron/rolling products			1																		1	4	steel/iron/rolling products	
011509	other transport equipment products																					1	2	other transport equipment products	
130309	other health and hygiene service													1								1	2	other health and hygiene service	
011209	other metal products																					1	1	other metal products	
040302	specific truck transportation service																					1	1	specific truck transportation service	
040301	general truck transportation service			1		1				3	2	2	1	1		3	3	1	1				19	general truck transportation service	
170201	security service			2					1				1	1	1	1	2	1		3	1	3	1	18	security service
090103	insurance business						2		1	1	1		1	1	2	1				2	1		13	insurance business	
030301	electricity/telecommunication work			1		2					1		1		1	1	1	1			1		10	electricity/telecommunication work	
030309	other construction works			1			4	1				1				1		2					10	other construction works	
080109	other wholesale						1				1		1				2	2		1			8	other wholesale	
080205	newspaper retail							1	1	1		2				1		1		1			8	newspaper retail	
090209	other advertisement and mediator			1			1					1			1				2		1		7	other advertisement and mediator	
011702	machine repair			1		1		1								1					2		6	machine repair	
170202	information processing service						2				1		1			1					1		6	information processing service	
040202	bus service			1				1						1	2								5	bus service	
011409	other electrical equipment						3										1						4	other electrical equipment	
011709	other manufacturing					1							1	1			1						4	other manufacturing	
030199	other civil engineering work			1		1						1										1	4	other civil engineering work	
	steel frame/reinforced																							steel frame/reinforced	

030201	concrete house construction work							1	1			1		1								4	concrete house construction work	
030209	other building construction work													1	1					1		1	4	other building construction work
120109	other education/research service									1			1			1						4	other education/research service	
170101	dispatch service					1		2														4	dispatch service	
011301	machine products			1										1								3	machine products	
011701	auto mobile servicing												1				1			1		3	auto mobile servicing	
120102	software service							1	1				1									3	software service	
140101	hotel					1			1					1								3	hotel	
140209	other restaurants							1									1			1		3	other restaurants	
150103	other waste disposal service												1		1						1	3	other waste disposal service	
010109	other foods					1								1								2	other foods	
010805	plastics products					1									1							2	plastics products	
011403	electronics equipment and telecommunications apparatus																				1	2	electronics equipment and telecommunications apparatus	
040201	taxi service													1								2	taxi service	
070201	fishery					1															1	2	fishery	
080409	other commerce											1		1								2	other commerce	
090101	banking/trust business															1					1	2	banking/trust business	
090201	traveling service																				1	2	traveling service	
140201	general restaurant							1								1						2	general restaurant	
140309	other amusement service												1								1	2	other amusement service	
010103	agricultural food products																				1	1	agricultural food products	
010105	alcoholic drinks																				1	1	alcoholic drinks	

010502	metal furniture							1													1	metal furniture
010803	pharmaceuticals							1													1	pharmaceuticals
010804	petroleum/coal products									1											1	petroleum/coal products
010901	cement products														1						1	cement products
011009	other steel products								1												1	other steel products
011305	other precision machine products										1										1	other precision machine products
011402	electrical appliance								1												1	electrical appliance
011501	ship building																				1	ship building
011502	auto mobile products									1											1	auto mobile products
030102	tunnel construction work																				1	tunnel construction work
030105	bridge construction work									1											1	bridge construction work
030106	road construction work										1										1	road construction work
030107	river civil engineering work																				1	river civil engineering work
030202	wooden house construction work											1									1	wooden house construction work
030203	building facility construction work																				1	building facility construction work
040103	airline service																				1	airline service
040409	other transportation service																				1	other transportation service
060101	agriculture																				1	agriculture
080203	furniture/fittings retail											1									1	furniture/fittings retail
090109	other financial business																				1	other financial business
100101	movie production and delivery service											1									1	movie production and delivery service
140302	park and amusement park																				1	park and amusement park
010101	meat/dairy products																					meat/dairy products

	chemical products																																												chemical products									
010802	chemical fiber																																													chemical fiber								
010806	rubber products																																														rubber products							
010807	leather products																																														leather products							
010808	painting products																																																painting products					
010809	chemical fertilizer products																																																chemical fertilizer products					
010899	other chemical products																																																other chemical products					
010902	glass products																																																glass products					
010903	pottery products																																																	pottery products				
010904	fire resisting products																																																	fire resisting products				
010905	other ceramic products																																																		other ceramic products			
010909	other sand and stone products																																																		other sand and stone products			
011002	casting products																																																		casting products			
011101	nonferrous metals/rolling products																																																		nonferrous metals/rolling products			
011102	nonferrous metals casting products																																																		nonferrous metals casting products			
011109	other nonferrous metal products																																																		other nonferrous metal products			
011201	western tableware/cutting tool products																																																			western tableware/cutting tool products		
011202	screw products																																																				screw products	
011203	metal press products																																																				metal press products	
011204	metal plating products																																																					metal plating products
011302	measuring instruments																																																				measuring instruments	
011303	optical instruments																																																				optical instruments	

100102	movie theatre																								movie theatre
100109	other movie/play service																								other movie/play service
120101	auto mobile practical training																								auto mobile practical training
130101	hospital																								hospital
130102	general clinic																								general clinic
130109	other medical treatment service																								other medical treatment service
130301	bathhouse																								bathhouse
140301	golf course																								golf course
150102	industrial waste management service																								industrial waste management service
150104	cremation service																								cremation service
150105	livestock process service																								livestock process service
160101	public office																								public office
	total			72	64	92	83	65	73	75	64	71	64	91	65	50	67	74	65	81	65	79	1,360	total	

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

https://www.jisha.or.jp/english/statistics/202212_03.html