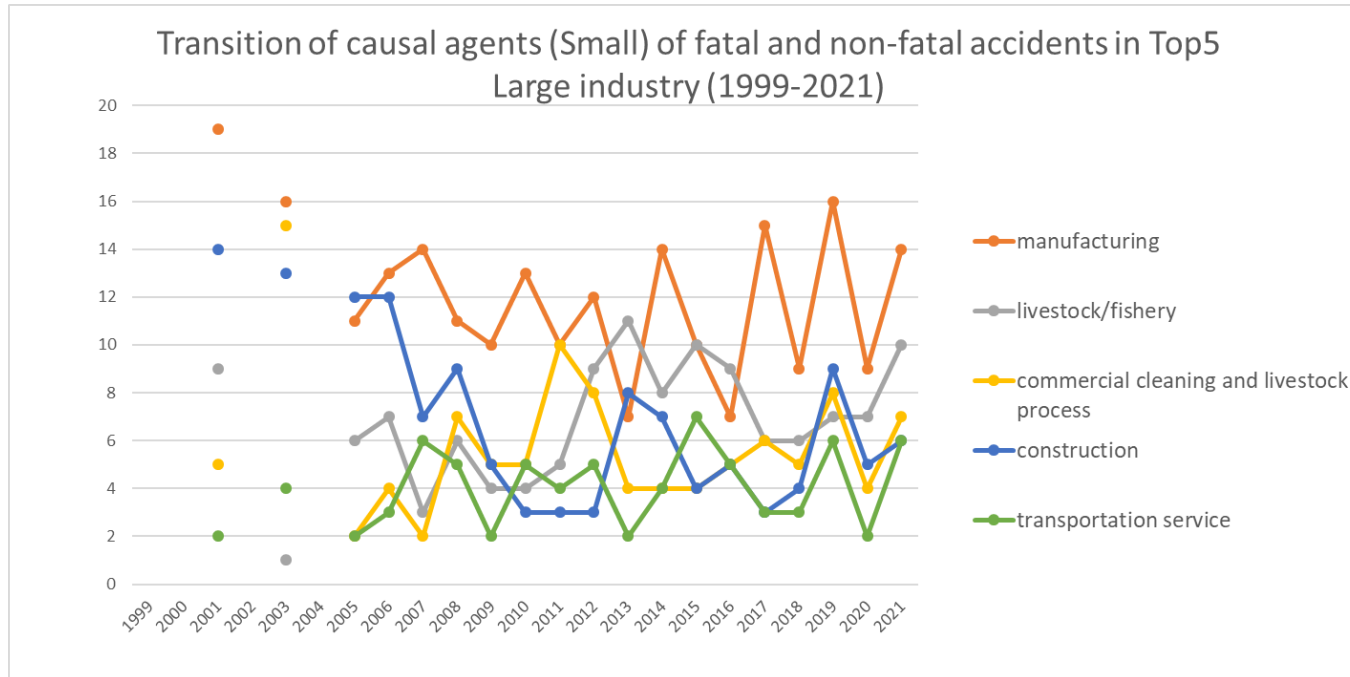
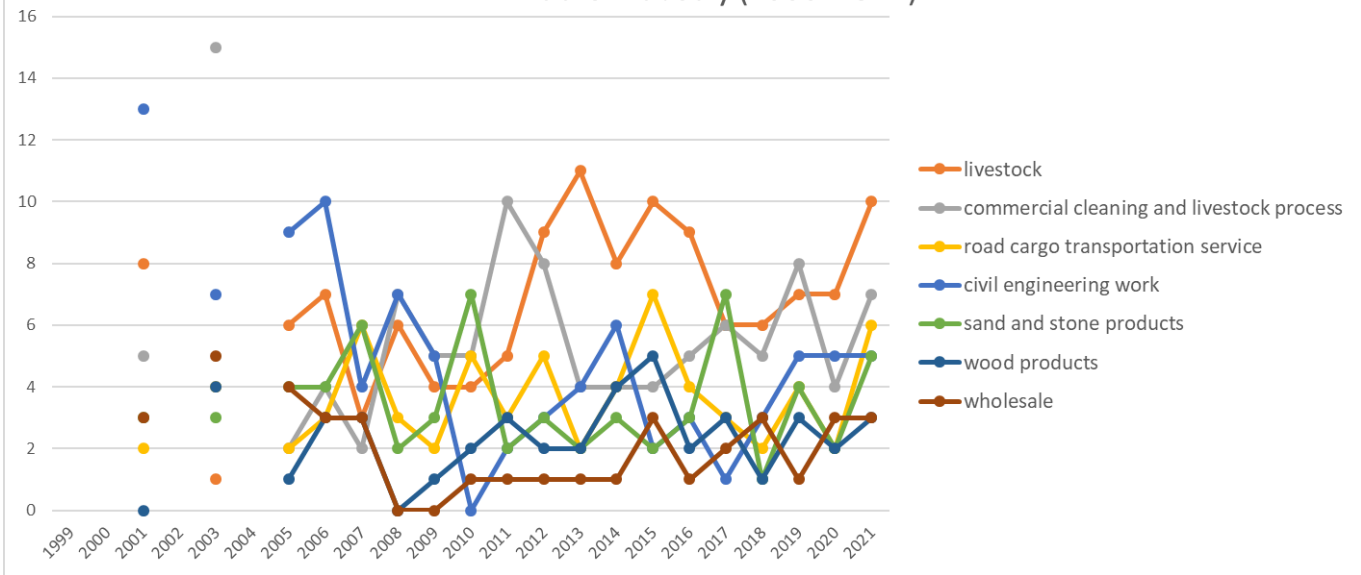


Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 225 loader (1999-2021)



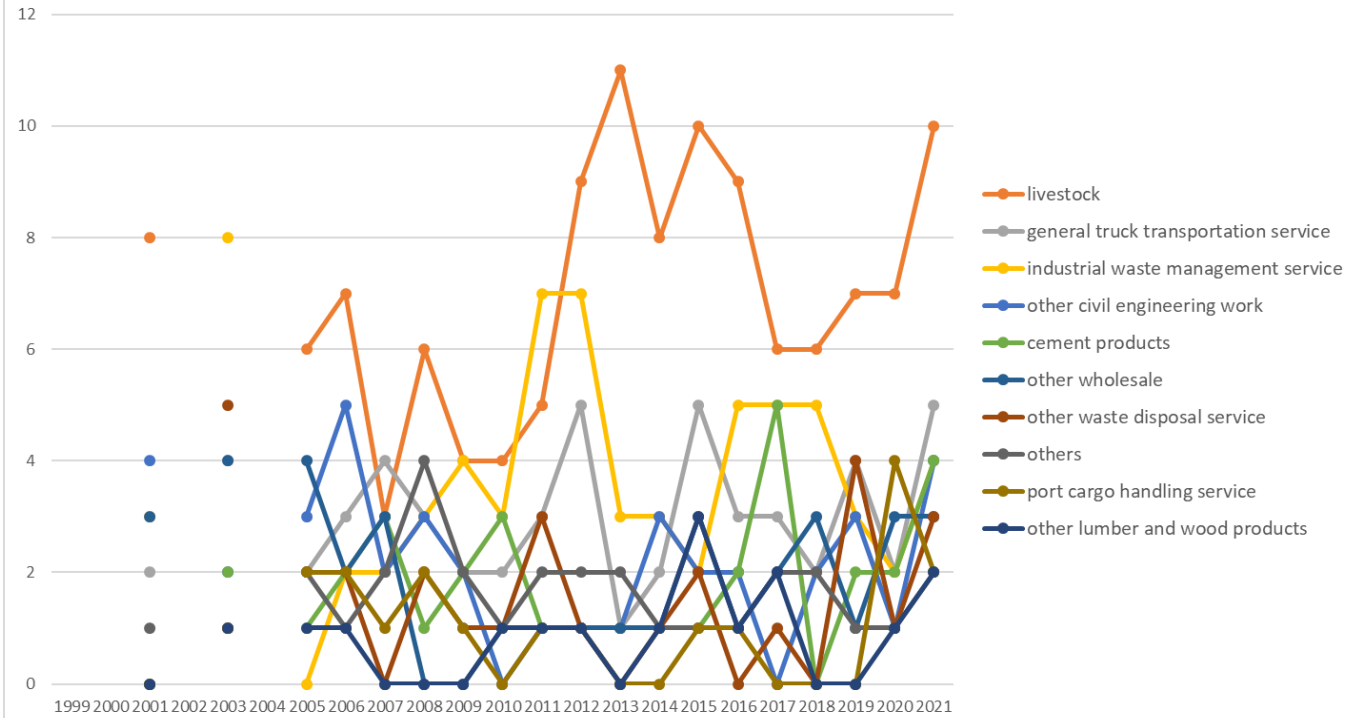
Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 225 loader in Large industry (1999-2021)

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. 225 loader 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. 225 loader in Small Industry (1999-2021)

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 225 loader 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
01	manufacturing			19		16		11	13	14	11	10	13	10	12	7	14	10	7	15	9	16	9	14	230	manufacturing
07	livestock/fishery			9		1		6	7	3	6	4	4	5	9	11	8	10	9	6	6	7	7	10	128	livestock/fishery
15	commercial cleaning and livestock process			5		15		2	4	2	7	5	5	10	8	4	4	4	5	6	5	8	4	7	110	commercial cleaning and livestock process
03	construction			14		13		12	12	7	9	5	3	3	3	8	7	4	5	3	4	9	5	6	132	construction
04	transportation service			2		4		2	3	6	5	2	5	4	5	2	4	7	5	3	3	6	2	6	76	transportation service
08	commerce			8		8		6	10	5	2	2	1	3	2	2	3	4	6	3	4	2	6	4	81	commerce
17	others			1		1		3	1	2	6	2	2	2	2	2	2	1	1	2	3	1	1	2	37	others

05	cargo handling service			1		3		3	2	1	3	3	1	2	2		1	1	2	2	1		5	2	35	cargo handling service
02	mining			3		2		5	3	2		3		3	2		2	1	3	3	5	3	1	1	42	mining
06	agriculture			2		2			3		1	2	1	1	1		2	4		2		3	4	1	29	agriculture
12	education/research service								2										1				1	1	5	education/research service
14	hotel/restaurant/amusement service			2		1		1	1	1				4	2	1	2	2	2	2		2	2		25	hotel/restaurant/amusement service
13	health and hygiene service											1	1						1						3	health and hygiene service
16	public office							1									1								2	public office
09	financial business/advertisement																									financial business/advertisement
10	movie/play service																									movie/play service
11	telecommunication service																									telecommunication service
	total			66		66		52	61	43	50	38	36	48	48	37	50	48	47	47	40	57	47	54	935	total

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 225 loader 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
0701	livestock			8		1		6	7	3	6	4	4	5	9	11	8	10	9	6	6	7	7	10	127	livestock
1501	commercial cleaning and livestock process			5		15		2	4	2	7	5	5	10	8	4	4	4	5	6	5	8	4	7	110	commercial cleaning and livestock process
0403	road cargo transportation service			2		4		2	3	6	3	2	5	3	5	2	4	7	4	3	2	4	2	6	69	road cargo transportation service
0301	civil engineering work			13		7		9	10	4	7	5		2	3	4	6	2	3	1	3	5	5	5	94	civil engineering work
0109	sand and stone products			3		3		4	4	6	2	3	7	2	3	2	3	2	3	7	1	4	2	5	66	sand and stone products
0104	wood products					4		1	3	3		1	2	3	2	2	4	5	2	3	1	3	2	3	44	wood products
0801	wholesale			3		5		4	3	3			1	1	1	1	1	3	1	2	3	1	3	3	39	wholesale

1702	others			1		1		2	1	2	6	2	2	2	2	2	2	2	3	1	1	2	35	others		
0117	other manufacturing			1		5		4	2		2	2		1	4		1		2	1	4	1	2	32	other manufacturing	
0502	harbor transportation service			1		2		2	2	1	2	1		2	2		1	1	2	1		5	2	27	harbor transportation service	
0110	steel making			2							1							1	1	2		1	2	10	steel making	
0202	quarrying			3		2		4	3	2		3		2	2		1	1	3	3	5	3	1	1	39	quarrying
0302	construction work			1		4		3	1	3	1		2			3	1	1		1		2		1	24	construction work
0601	agriculture					2			2			1		1	1		2	4		1		2	4	1	21	agriculture
0804	other commerce			2					1	2							1		1				1	1	9	other commerce
0112	metal products			1		1			1	1	1											2		1	8	metal products
1201	education/research service								2										1				1	1	5	education/research service
0115	transport equipment products			1											1									1	3	transport equipment products
0802	retail			3		3		2	6		2	2		2	1	1	1	1	4	1	1	1	2		33	retail
1403	other amusement service					1		1	1	1				4	2	1	2	2	2		2	2			23	other amusement service
0108	chemical products			4		1		1	1	2	3	3		1	1	1			1		1	1	1		22	chemical products
0303	other construction works					2			1		1		1	1		1		1	2	1	1	2			14	other construction works
0101	food products								1		2			1	1		1	1		2	1	2	1		13	food products
0106	pulp/paper processing products			3		2		1				1	2	1			1	1					1		13	pulp/paper processing products
0111	nonferrous metal making			1					1				1		1	1	2			1					8	nonferrous metal making
0501	land cargo handling service					1		1			1	2	1						1	1					8	land cargo handling service

0901	financial business																									financial business
0902	advertisement and mediator																									advertisement and mediator
1001	movie/play service																									movie/play service
1101	telecommunication service																									telecommunication service
1303	other health and hygiene service																									other health and hygiene service
1402	restaurant																									restaurant
	total			66		66		52	61	43	50	38	36	48	48	37	50	48	47	47	40	57	47	54	935	total

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 225 loader in Small industry (1999-2021)

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	total	Small industry
070101	livestock			8		1		6	7	3	6	4	4	5	9	11	8	10	9	6	6	7	7	10	127	livestock
040301	general truck transportation service			2		4		2	3	4	3	2	2	3	5	1	2	5	3	3	2	4	2	5	57	general truck transportation service
150102	industrial waste management service			3		8			2	2	3	4	3	7	7	3	3	2	5	5	5	3	2	4	71	industrial waste management service
030199	other civil engineering work			4		2		3	5	2	3	2		1	1	1	3	2	2		2	3	1	4	41	other civil engineering work
010901	cement products					2		1	2	3	1	2	3	1	1	1	1	1	2	5		2	2	4	34	cement products
080109	other wholesale			3		4		4	2	3			1	1	1	1	1	3	1	2	3	1	3	3	37	other wholesale
150103	other waste disposal service					5		2	2		2	1	1	3	1		1	2		1		4	1	3	29	other waste disposal service
170209	others			1		1		2	1	2	4	2	1	2	2	2	1	1	1	2	2	1	1	2	31	others
050202	port cargo handling service					1		2	2	1	2	1		1	1			1	1				4	2	19	port cargo handling service
010409	other lumber and wood products					1		1	1				1	1	1		1	3	1	2			1	2	16	other lumber and wood products

030110	construction work			3		1		2		1		1									9	construction work	
150109	other cleaning and livestock process service			1		2				2		1			1					1	1	9	other cleaning and livestock process service
010109	other foods							1		1				1		1		1	1	1		8	other foods
010601	pulp/paper			3		1		1		1	1										1	8	pulp/paper
030109	land consolidation civil engineering work			2						1					2					1	2	8	land consolidation civil engineering work
050101	land cargo handling service					1		1		1	2	1						1	1			8	land cargo handling service
050201	general harbor transportation service			1		1							1	1		1	1				1	8	general harbor transportation service
010402	plywood					2				1		1			1		1			1		7	plywood
010804	petroleum/coal products			2						1						1		1	1	1		7	petroleum/coal products
011702	machine repair			1		1						1			1		1	1	1			7	machine repair
011101	nonferrous metals/rolling products			1				1				1		1	1	1						6	nonferrous metals/rolling products
030201	steel frame/reinforced concrete house construction work					1				1		1			1	1				1		6	steel frame/reinforced concrete house construction work
030107	river civil engineering work					1				1	1						1	1				5	river civil engineering work
140309	other amusement service							1				1					1	1			1	5	other amusement service
011009	other steel products			2													1	1				4	other steel products
040302	specific truck transportation service										2					2						4	specific truck transportation service
060201	lumbering			1				1			1									1		4	lumbering
060209	other forestry			1						1	1						1					4	other forestry
080204	fuel retail					1		1								1				1		4	fuel retail
170201	security service									2		1								1		4	security service

010101	meat/dairy products													1						1			1														3	meat/dairy products			
010602	paper processing products				1									1																									3	paper processing products	
010899	other chemical products											1	1			1																							3	other chemical products	
011301	machine products			2																																			3	machine products	
030108	sand collapse prevention civil engineering work					1																																	3	sand collapse prevention civil engineering work	
030111	port/seaside construction work								1																															3	port/seaside construction work
030202	wooden house construction work				1																																			3	wooden house construction work
040103	airline service																																							3	airline service
010609	other pulp/paper processing products																																							2	other pulp/paper processing products
010801	non organic or organic chemical products																																							2	non organic or organic chemical products
010902	glass products								1																															2	glass products
010903	pottery products																																							2	pottery products
011109	other nonferrous metal products																																							2	other nonferrous metal products
011501	ship building																																							2	ship building
020309	other mining																																							2	other mining
040202	bus service																																							2	bus service
040409	other transportation service																																							2	other transportation service
080401	warehousing																																							2	warehousing
120101	auto mobile practical training																																							2	auto mobile practical training
140101	hotel																																							2	hotel
160101	public office																																							2	public office

170101	dispatch service						1													2	dispatch service	
010102	fishery products																		1		1	fishery products
010106	soft drinks								1												1	soft drinks
010203	weaving																				1	weaving
010204	dyeing																				1	dyeing
010501	wood furniture																				1	wood furniture
010503	fittings																				1	fittings
010805	plastics products																				1	plastics products
010904	fire resisting products																				1	fire resisting products
010905	other ceramic products																				1	other ceramic products
011002	casting products																				1	casting products
011305	other precision machine products																				1	other precision machine products
011409	other electrical equipment																				1	other electrical equipment
011602	city gas service																				1	city gas service
011603	city water service																				1	city water service
011703	cleaning																				1	cleaning
020101	general coal mining																				1	general coal mining
030102	tunnel construction work																				1	tunnel construction work
030302	machinery/apparatus setting work																				1	machinery/apparatus setting work
070201	fishery																				1	fishery
080101	all kinds of wholesale																				1	all kinds of wholesale
080102	furniture/fittings wholesale																				1	furniture/fittings wholesale
080201	all kinds of retail																				1	all kinds of retail
080202	auto mobile retail																				1	auto mobile retail

030103	subway construction work																				subway construction work
030104	railway construction work																				railway construction work
030105	bridge construction work																				bridge construction work
030301	electricity/telecommunication work																				electricity/telecommunication work
040101	railroad service																				railroad service
040102	water transportation service																				water transportation service
040201	taxi service																				taxi service
040209	other passenger transport service																				other passenger transport service
040303	cargo/ light automobile transportation service																				cargo/ light automobile transportation service
050209	other harbor transportation service																				other harbor transportation service
070209	other fishery																				other fishery
080301	haircut																				haircut
080302	beauty salon																				beauty salon
090101	banking/trust business																				banking/trust business
090102	stock/commodity trade business																				stock/commodity trade business
090103	insurance business																				insurance business
090109	other financial business																				other financial business
090201	traveling service																				traveling service
090209	other advertisement and mediator																				other advertisement and mediator
100101	movie production and delivery service																				movie production and delivery service

100102	movie theatre																								movie theatre	
100109	other movie/play service																								other movie/play service	
110101	telecommunication service																								telecommunication service	
120102	software service																								software service	
130109	other medical treatment service																								other medical treatment service	
130301	bathhouse																								bathhouse	
130309	other health and hygiene service																								other health and hygiene service	
140201	general restaurant																								general restaurant	
140209	other restaurants																								other restaurants	
150101	building maintenance service																								building maintenance service	
150104	cremation service																								cremation service	
170202	information processing service																								information processing service	
	total			66		66		52	61	43	50	38	36	48	48	37	50	48	47	47	40	57	47	54	935	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