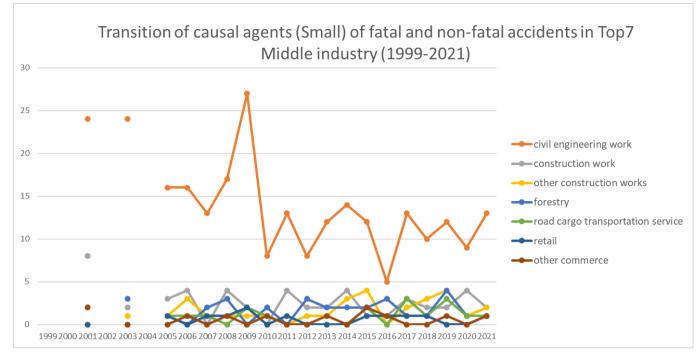
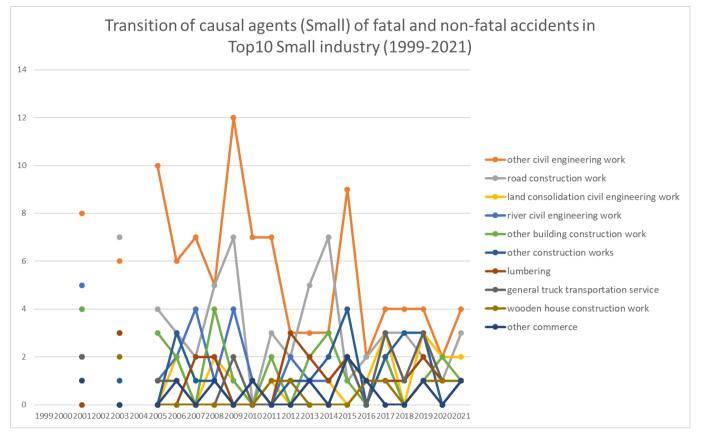


Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 227 rough terrain hauler in Large industry (1999-2021)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 227 rough terrain hauler in Middle Industry (1999-2021)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 227 rough terrain hauler in Small Industry (1999-2021)

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 227 rough terrain hauler 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
03	construction			34		27		20	23	14	22	30	9	17	11	15	21	17	6	18	15	18	14	17	348	construction
08	commerce			2				1	1	1	2	3	3	1		2		3	3	1	1	1		2	27	commerce
01	manufacturing			6		7		6	3	1	4	7	1	3	2		1	1	4	1	4	1		1	53	manufacturing
06	agriculture					3		2		2	4		4		4	2	2	2	4	6	3	4	2	1	45	agriculture
04	transportation service			2				1	1	1		2	1					2		3	1	3	2	1	20	transportation service
15	commercial cleaning and			1		1		1				1					1						2	1	0	commercial cleaning and
	livestock process																						Ľ		0	livestock process
11	telecommunication service																							1	1	telecommunication service

14	hotel/restaurant/amusement service		1	1	1	2		2		1	2		1		2	1	3		2	1		20	hotel/restaurant/amusement service
17	others		1	2	1			3		1			2		1							11	others
02	mining																1	1				2	mining
05	cargo handling service					1														1		2	cargo handling service
12	education/research service		1														1					2	education/research service
07	livestock/fishery																		1			1	livestock/fishery
16	public office																			1		1	public office
09	financial																						financial
	business/advertisement																						business/advertisement
10	movie/play service																						movie/play service
13	health and hygiene service																						health and hygiene service
	total		48	41	33	31	19	37	43	20	23	17	22	25	28	18	34	25	30	23	24	541	total

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 227 rough terrain hauler 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
0301	civil engineering work			24		24		16	16	13	17	27	8	13	8	12	14	12	5	13	10	12	9	13	266	civil engineering work
0302	construction work			8		2		3	4		4	2		4	2	2	4	1	1	3	2	2	4	2	50	construction work
0303	other construction works			2		1		1	3	1	1	1	1		1	1	3	4		2	3	4	1	2	32	other construction
																										works
0602	forestry					3		1		2	3		2		3	2	2	2	3	1	1	4	1	1	31	forestry
0403	road cargo transportation service			2				1	1	1		2	1					2		3	1	3	1	1	19	road cargo
0.05								•				-						[ľ.					transportation service
0802	retail							1		1	1	2		1				1	1	1	1			1	11	retail
0804	other commerce			2					1		1		1			1		2	1			1		1	11	other commerce
0117	other manufacturing			2		1		1						1				1			1			1	8	other manufacturing

\vdash																		-			-		1
1501	commercial cleaning and livestock process		1	1	1				1					1						2	1	8	commercial cleaning and livestock process
1101	telecommunication service																				1	1	telecommunication service
0109	sand and stone products		4	4	4	2	1	3	4	1	1	2				4	1	2	1			34	sand and stone products
1403	other amusement service		1	1	1	1		1		1	2		1		2	1	3		2	1		18	other amusement service
0601	agriculture				1			1		2		1				1	5	2		1		14	agriculture
1702	others		1	2	1			3		1			2		1							11	others
0801	wholesale								1	2			1			1						5	wholesale
0101	food products			1				1			1											3	food products
0104	wood products			1					1									1				3	wood products
0108	chemical products				1									1								2	chemical products
0202	quarrying																1	1				2	quarrying
1201	education/research service		1														1					2	education/research service
1401	hotel					1		1														2	hotel
0112	metal products								1													1	metal products
0113	machine products					1																1	machine products
0115	transport equipment products								1													1	transport equipment products
0401	railroad/water transportation/airline service																			1		1	railroad/water transportation/airline service
0501	land cargo handling service					1																1	land cargo handling service

0502 harbor transportation service											1	1	harbor transportation service
0702 fishery										1		1	fishery
1601 public office											1	1	public office
0102 textile products													textile products
0103 fiber products													fiber products
0105 furniture													furniture
0106 pulp/paper processing products													pulp/paper processing products
0107 printing/bookbinding													printing/bookbinding
0110 steel making													steel making
0111 nonferrous metal making													nonferrous metal making
0114 electrical equipment products													electrical equipment products
0116 electric/gas/water service													electric/gas/water service
0201 coal mining													coal mining
0203 other mining													other mining
0402 road passenger transport service													road passenger transport service
0404 other transportation service													other transportation service
0701 livestock													livestock
0803 haircut/beauty salon													haircut/beauty salon
0901 financial business													financial business
0902 advertisement and mediator													advertisement and

																						mediator
1001	movie/play service																					movie/play service
1301	medical treatment service																					medical treatment
																						service
1302	social welfare facility																					social welfare facility
1202	other health and hygiene service																					other health and
1505	other health and hygiene service																					hygiene service
1402	restaurant																					restaurant
1701	dispatch service																					dispatch service
	total	48	41	33	31	19	37	43	20	23	17	22	25	28	18	34	25	30	23	24	541	total

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 227 rough terrain hauler in Small industry (1999-2021)

code	Small industry	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2 2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Small industry
030199	other civil engineering work			8		6		10	6	7	5	12	7	7	3	3	3	9	2	4	4	4	2	4	106	other civil engineering work
030106	road construction work			4		7		4	3	2	5	7		3	2	5	7	1	2	3	3	2	1	3	64	road construction work
030109	land consolidation civil engineering work			2		3			2		2	1		1		1	1		1	3		3	2	2	24	land consolidation civil engineering work
030107	river civil engineering work			5		3		1	2	4	1	4	1		2	1	1	2		2		1	1	1	32	river civil engineering work
030209	other building construction work			4				3	2		4	1		2		2	3	1		2		1	2	1	28	other building construction work
030309	other construction works			2		1			3	1	1		1		1	1	2	4		2	3	3		1	26	other construction works
060201	lumbering					3				2	2				3	2	1	2	1	1	1	2	1	1	22	lumbering
040301	general truck transportation service			2				1	1			2						2		3	1	3	1	1	17	general truck transportation service
030202	wooden house construction work			1		2								1	1				1	1		1	1	1	10	wooden house construction work

080409	other commerce		1			1		1		1			1		2	1			1		1	10	other commerce
080209	other retails				1		1		1		1				1		1	1			1	8	other retails
011702	machine repair		1	1							1				1			1			1	6	machine repair
150102	industrial waste management service				1				1					1						2	1	6	industrial waste management service
030105	bridge construction work		1											1					1		1	4	bridge construction work
030102	tunnel construction work							1												1	1	3	tunnel construction work
030104	railway construction work																				1	1	railway construction work
030302	machinery/apparatus setting work																				1	1	machinery/apparatus setting work
110101	telecommunication service																				1	1	telecommunication service
010909	other sand and stone products		4	4	4	1		3	2	1	1	2				3	1	2	1			29	other sand and stone products
140301	golf course		1	1	1	1		1		1	2		1		1	1	3			1		15	golf course
030108	sand collapse prevention civil engineering work		2	3	1	1			1		2	1	1	1			1					14	sand collapse prevention civil engineering work
060101	agriculture				1			1		2		1				1	5	2		1		14	agriculture
030110	water supply/sewage construction work		1	2		2		3	1				1					1		2		13	water supply/sewage construction work
030201	steel frame/reinforced concrete house construction work		3			1			1		1	1		1				2		1		11	steel frame/reinforced concrete house construction work
060209	other forestry				1			1		2				1		2			2			9	other forestry
170209	others		1	2	1								2		1							7	others
010901	cement products					1	1		2							1						5	cement products
030101	hydroelectric plant construction work		1						1									2	1			5	hydroelectric plant construction work

030301	electricity/telecommunication work				1				1				1					1	1	5	electricity/telecommunication work
080109	other wholesale								1	1		1			1					4	other wholesale
170201	security service							3		1										4	security service
140309	other amusement service													1				2		3	other amusement service
010105	alcoholic drinks							1			1									2	alcoholic drinks
010401	lumbering			1					1											2	lumbering
010805	plastics products				1								1							2	plastics products
020202	gravel digging															1	1			2	gravel digging
040302	specific truck transportation service						1			1										2	specific truck transportation service
080204	fuel retail							1							1					2	fuel retail
120109	other education/research service		1													1				2	other education/research service
140101	hotel					1		1												2	hotel
150103	other waste disposal service		1	1																2	other waste disposal service
010104	bread/cake products			1																1	bread/cake products
010402	plywood																1			1	plywood
011209	other metal products								1											1	other metal products
011301	machine products					1														1	machine products
011502	auto mobile products								1											1	auto mobile products
011701	auto mobile servicing				1															1	auto mobile servicing
011709	other manufacturing		1																	1	other manufacturing
030203	building facility construction work					1														1	building facility construction work
040101	railroad service																		1	1	railroad service
050101	land cargo handling service					1														1	land cargo handling service

050209	other harbor transportation service												1	1	other harbor transportation service
070201	fishery											1		1	fishery
080101	all kinds of wholesale							1						1	all kinds of wholesale
080201	all kinds of retail						1							1	all kinds of retail
080401	warehousing		1											1	warehousing
160101	public office												1	1	public office
010101	meat/dairy products														meat/dairy products
010102	fishery products														fishery products
010103	agricultural food products														agricultural food products
010106	soft drinks														soft drinks
010109	other foods														other foods
010201	silk-reeling														silk-reeling
010202	cotton-spinning														cotton-spinning
010203	weaving														weaving
010204	dyeing														dyeing
010209	other textile products														other textile products
010301	over/under wear														over/under wear
010309	other fiber products														other fiber products
010409	other lumber and wood products														other lumber and wood products
010501	wood furniture														wood furniture
010502	metal furniture														metal furniture
010503	fittings														fittings
010509	other furniture														other furniture
010601	pulp/paper														pulp/paper

010602	paper processing products										paper processing products
010609	other pulp/paper processing products										other pulp/paper processing products
010701	printing service										printing service
010702	bookbinding										bookbinding
010709	other printing and bookbinding										other printing and bookbinding
010801	non organic or organic chemical products										non organic or organic chemical products
010802	chemical fiber										 chemical fiber
010803	pharmaceuticals										 pharmaceuticals
010804	petroleum/coal products										petroleum/coal products
010806	rubber products										rubber products
010807 I	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 1	fire resisting products										fire resisting products
010905	other ceramic products										other ceramic products
011001	steel/iron/rolling products										steel/iron/rolling products
011002	casting products										casting products
011009	other steel products										other steel products
011101	nonferrous metals/rolling products										nonferrous metals/rolling products
	nonferrous metals casting										 nonferrous metals casting

011102	products										products
011109	other nonferrous metal										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
011304	watch products										watch products
011305	other precision machine products										other precision machine products
011401	heavy electrical equipment										heavy electrical equipment
011402	electrical appliance										electrical appliance
011403	electronics equipment and telecommunications apparatus										electronics equipment and telecommunications apparatus
011409	other electrical equipment										other electrical equipment
011501	ship building										ship building
011503	railway vehicle products										railway vehicle products
011509	other transport equipment products										other transport equipment products
011601	electric utility service										electric utility service
011602	city gas service										city gas service
011603	city water service										city water service
	other electric/gas/water										other electric/gas/water

011609	service										service
011703	cleaning										cleaning
011704	tobacco products										tobacco products
020101	general coal mining										general coal mining
020109	other coal mining										other coal mining
020201	quarrying										quarrying
020209	other quarrying										other quarrying
020301	metal mining										metal mining
020302	petroleum mining										petroleum mining
020309	other mining										other mining
030103	subway construction work										subway construction work
030111	port/seaside construction work										port/seaside construction work
040102	water transportation service										water transportation service
040103	airline service										airline service
040201	taxi service										taxi service
040202	bus service										bus service
040209	other passenger transport service										other passenger transport service
040303	cargo/ light automobile transportation service										cargo/ light automobile transportation service
040309	other land cargo transportation service										other land cargo transportation service
040409	other transportation service										other transportation service
050201	general harbor transportation service										general harbor transportation service

050202	port cargo handling service											port cargo handling service
070101	livestock											 livestock
070209	other fishery											 other fishery
080102	furniture/fittings wholesale											furniture/fittings wholesale
080202	auto mobile retail											auto mobile retail
080203	furniture/fittings retail											furniture/fittings retail
080205	newspaper retail											newspaper retail
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
120101	auto mobile practical training											auto mobile practical training
120102	software service											 software service
130101	hospital											hospital
130102	general clinic											 general clinic
130109	other medical treatment service											other medical treatment service

130201	social welfare facility																						social welfare facility
130301	bathhouse																						bathhouse
130309	other health and hygiene service																						other health and hygiene service
140201	general restaurant																						general restaurant
140209	other restaurants																						other restaurants
140302	park and amusement park																						park and amusement park
150101	building maintenance service																						building maintenance service
150104	cremation service																						cremation service
150105	livestock process service																						livestock process service
150109	other cleaning and livestock process service																						other cleaning and livestock process service
170101	dispatch service																						dispatch service
170202	information processing																						information processing
	service																						service
	total		48	41	33	31	19	37	43	20	23	17	22	25	28	18	34	25	30	23	24	541	total

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

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