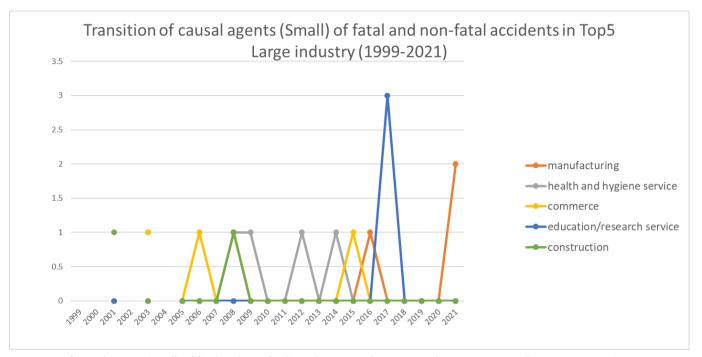
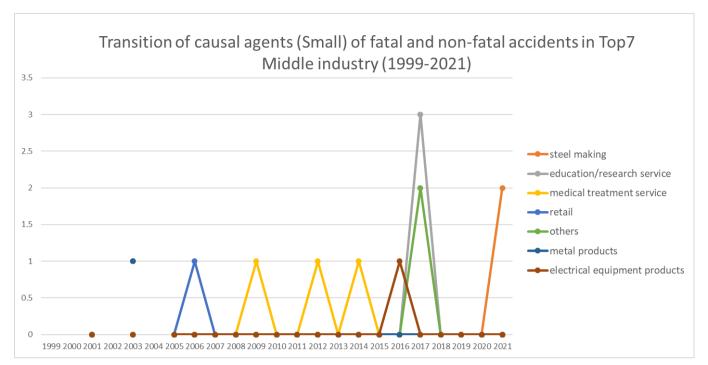
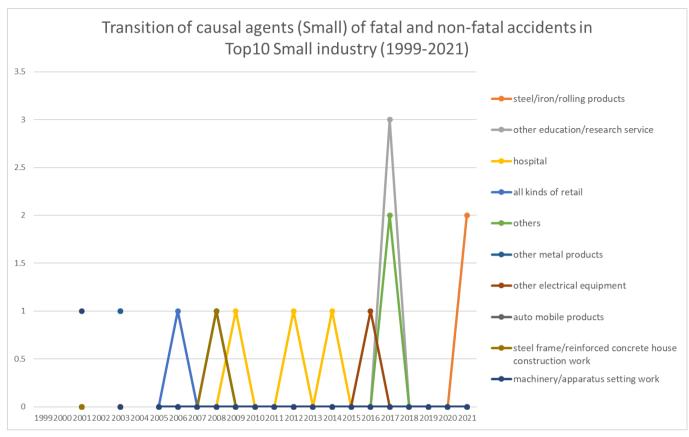
Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 515 radiation (1999-2021)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 515 radiation in Large industry (1999-2021)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 515 radiation in Middle Industry (1999-2021)



Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 515 radiation in Small Industry (1999-2021)

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 515 radiation 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					1					1								1					2	5	manufacturing
13	health and hygiene service										1	1			1		1								4	health and hygiene service
08	commerce					1			1									1							3	commerce
12	education/research service																			3					3	education/research service
03	construction			1							1														2	construction
17	others																			2					2	others
02	mining																									mining

04	transportation service																	transportation service
05	cargo handling service																	cargo handling service
06	agriculture																	agriculture
07	livestock/fishery																	livestock/fishery
09	financial business/advertisement																	financial business/advertisement
10	movie/play service																	movie/play service
11	telecommunication service																	telecommunication service
14	hotel/restaurant/amusement service																	hotel/restaurant/amusement
15	commercial cleaning and livestock process																	commercial cleaning and livestock process
16	public office																	public office
	total		1	2		1	3	1		1	1	1	1	5		2	19	total

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 515 radiation 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
0110	steel making																							2	2	steel making
1201	education/research service																			3					3	education/research service
1301	medical treatment service											1			1		1								3	medical treatment
0802	retail					1			1																2	retail
1702	others																			2					2	others
0112	metal products					1																			1	metal products
0114	electrical equipment products																		1						1	electrical equipment

															products
0115 transport equipment products						1								1	transport equipment
0302 construction work						1								1	construction work
0303 other construction works		1												1	other construction works
0801 wholesale										1				1	wholesale
1303 other health and hygiene service						1								1	other health and hygiene service
0101 food products															food products
0102 textile products															textile products
0103 fiber products															fiber products
0104 wood products															wood products
0105 furniture															furniture
0106 pulp/paper processing products															pulp/paper process products
0107 printing/bookbinding															printing/bookbind
0108 chemical products															chemical products
0109 sand and stone products															sand and stone products
0111 nonferrous metal making															nonferrous metal
0113 machine products															machine products
0116 electric/gas/water service															electric/gas/water service
0117 other manufacturing															other manufacturii
0201 coal mining															coal mining

0202	quarrying													quarrying
0203	other mining													other mining
0301	civil engineering work													civil engineering work
0401	railroad/water transportation/airline service													railroad/water transportation/airline service
0402	road passenger transport service													road passenger transport service
0403	road cargo transportation service													road cargo transportation service
0404	other transportation service													other transportation service
0501	land cargo handling service													land cargo handling service
0502	harbor transportation service													harbor transportation service
0601	agriculture													agriculture
0602	forestry													forestry
0701	livestock													livestock
0702	fishery													fishery
0803	haircut/beauty salon													haircut/beauty salon
0804	other commerce													other commerce
0901	financial business													financial business
0902	advertisement and mediator													advertisement and mediator
1001	movie/play service													movie/play service
1101	telecommunication service													telecommunication

																		service
1302	social welfare facility																	social welfare facility
1401	hotel																	hotel
1402	restaurant																	restaurant
1403	other amusement service																	other amusement
1403	other amasement service																	service
1501	commercial cleaning and livestock																	commercial cleaning
1301	process																	and livestock process
1601	public office																	public office
1701	dispatch service																	dispatch service
	total		1	2		1	3	1		1	1	1	1	5		2	19	total

Transition of causal agents (Small) of fatal and non-fatal accidents as code no. 515 radiation in Small industry (1999-2021)

code	Small industry	1999	2000	2001	2002	2003	2004	2005	2006 2	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Small industry
011001	steel/iron/rolling products																							2	2	steel/iron/rolling products
120109	other education/research service																			3					3	other education/research service
130101	hospital											1			1		1								3	hospital
080201	all kinds of retail					1			1																2	all kinds of retail
170209	others																			2					2	others
011209	other metal products					1																			1	other metal products
011409	other electrical equipment																		1						1	other electrical equipment
011502	auto mobile products										1														1	auto mobile products
	steel frame/reinforced																									steel frame/reinforced
030201	concrete house construction										1														1	concrete house construction
	work																									work

030302	machinery/apparatus setting work		1												1	machinery/apparatus setting work
080109	other wholesale										1				1	other wholesale
130301	bathhouse						1								1	bathhouse
010101	meat/dairy products															meat/dairy products
010102	fishery products															fishery products
010103	agricultural food products															agricultural food products
010104	bread/cake products															bread/cake products
010105	alcoholic drinks															alcoholic drinks
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
010401	lumbering															lumbering
010402	plywood															plywood
010409	other lumber and wood															other lumber and wood
010403	products															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													other pulp/paper processing
010009	products													products
010701	printing service													printing service
010702	bookbinding													bookbinding
010709	other printing and													other printing and
010703	bookbinding													bookbinding
010801	non organic or organic													non organic or organic
	chemical products											_		chemical products
010802	chemical fiber													chemical fiber
010803	pharmaceuticals													pharmaceuticals
010804	petroleum/coal products													petroleum/coal products
010805	plastics products													plastics products
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
010901	cement products													cement 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													other sand and stone
010909	products													products
011002	casting products													casting products

11		 												
011009	other steel products													other steel 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
011301	machine products													machine 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
	electronics equipment and telecommunications apparatus													electronics equipment and telecommunications apparatus
011501	ship building													ship building
011503	railway vehicle products													railway vehicle products
011509	other transport equipment products													other transport equipment products
				 		 								1

011601	electric utility service												electric utility service
011602	city gas service												city gas service
011603	city water service												city water service
011609	other electric/gas/water												other electric/gas/water
011003	service												service
011701	auto mobile servicing												auto mobile servicing
011702	machine repair												machine repair
011703	cleaning												cleaning
011704	tobacco products												tobacco products
011709	other manufacturing												other manufacturing
020101	general coal mining												general coal mining
020109	other coal mining												other coal mining
020201	quarrying												quarrying
020202	gravel digging												gravel digging
020209	other quarrying												other quarrying
020301	metal mining												metal mining
020302	petroleum mining												petroleum mining
020309	other mining												other mining
030101	hydroelectric plant												hydroelectric plant
030101	construction work												construction work
030102	tunnel construction work												tunnel construction work
030103	subway construction work												subway construction work
030104	railway construction work												railway construction work
030105	bridge construction work												bridge construction work
030106	road construction work												road construction work
030107	river civil engineering work												river civil engineering work
													1

030108	sand collapse prevention civil												sand collapse prevention civil
	engineering work												engineering work
030109	land consolidation civil												land consolidation civil
	engineering work												engineering work
030110	water supply/sewage												water supply/sewage
	construction work												construction work
030111	port/seaside construction												port/seaside construction
	work												work
030199	other civil engineering work												other civil engineering work
030202	wooden house construction												wooden house construction
030202	work												work
030203	building facility construction												building facility construction
030203	work												work
030209	other building construction												other building construction
030203	work												work
030301	electricity/telecommunication												electricity/telecommunication
030301	work												work
030309	other construction works												other construction works
040101	railroad service												railroad service
040102	water transportation service												water transportation service
040103	airline service												airline service
040201	taxi service												taxi service
040202	bus service												bus service
	other passenger transport												other passenger transport
040209	service												service
040301	general truck transportation												general truck transportation
040301	service												service
	specific truck transportation												specific truck transportation

040302	service												service
	cargo/ light automobile												cargo/ light automobile
040303	transportation service												transportation service
040300	other land cargo												other land cargo
040309	transportation service												transportation service
040409	other transportation service												other transportation service
050101	land cargo handling service												land cargo handling service
050201	general harbor transportation												general harbor transportation
	service												service
050202	port cargo handling service												port cargo handling service
050209	other harbor transportation												other harbor transportation
	service												service
060101	agriculture												agriculture
060201	lumbering												lumbering
060209	other forestry												other forestry
070101	livestock												livestock
070201	fishery												fishery
070209	other fishery												other fishery
080101	all kinds of wholesale												all kinds of wholesale
080102	furniture/fittings wholesale												furniture/fittings wholesale
080202	auto mobile retail												auto mobile retail
080203	furniture/fittings retail												furniture/fittings retail
080204	fuel retail												fuel retail
080205	newspaper retail												newspaper retail
080209	other retails												other retails
080301	haircut												haircut

080302	beauty salon													beauty salon
080401	warehousing													warehousing
080409	other commerce													other commerce
090101	banking/trust business													banking/trust business
090102	stock/commodity trade													stock/commodity trade
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
120101	auto mobile practical training													auto mobile practical training
120102	software service													software service
130102	general clinic													general clinic
130109	other medical treatment service													other medical treatment service
130201	social welfare facility													social welfare facility
130309	other health and hygiene service													other health and hygiene service
140101	hotel													hotel
140201	general restaurant													general restaurant
140209	other restaurants													other restaurants

140301	golf course																	golf course
140302	park and amusement park																	park and amusement park
140309	other amusement service																	other amusement service
150101	building maintenance service																	building maintenance service
150102	industrial waste management																	industrial waste management
	service																	service
150103	other waste disposal service																	other waste disposal service
150104	cremation service																	cremation service
150105	livestock process service																	livestock process service
150109	other cleaning and livestock																	other cleaning and livestock
130109	process service																	process service
160101	public office																	public office
170101	dispatch service																	dispatch service
170201	security service																	security service
170202	information processing																	information processing
170202	service																	service
	total		1	2		1	3	1		1	1	1	1	5		2	19	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