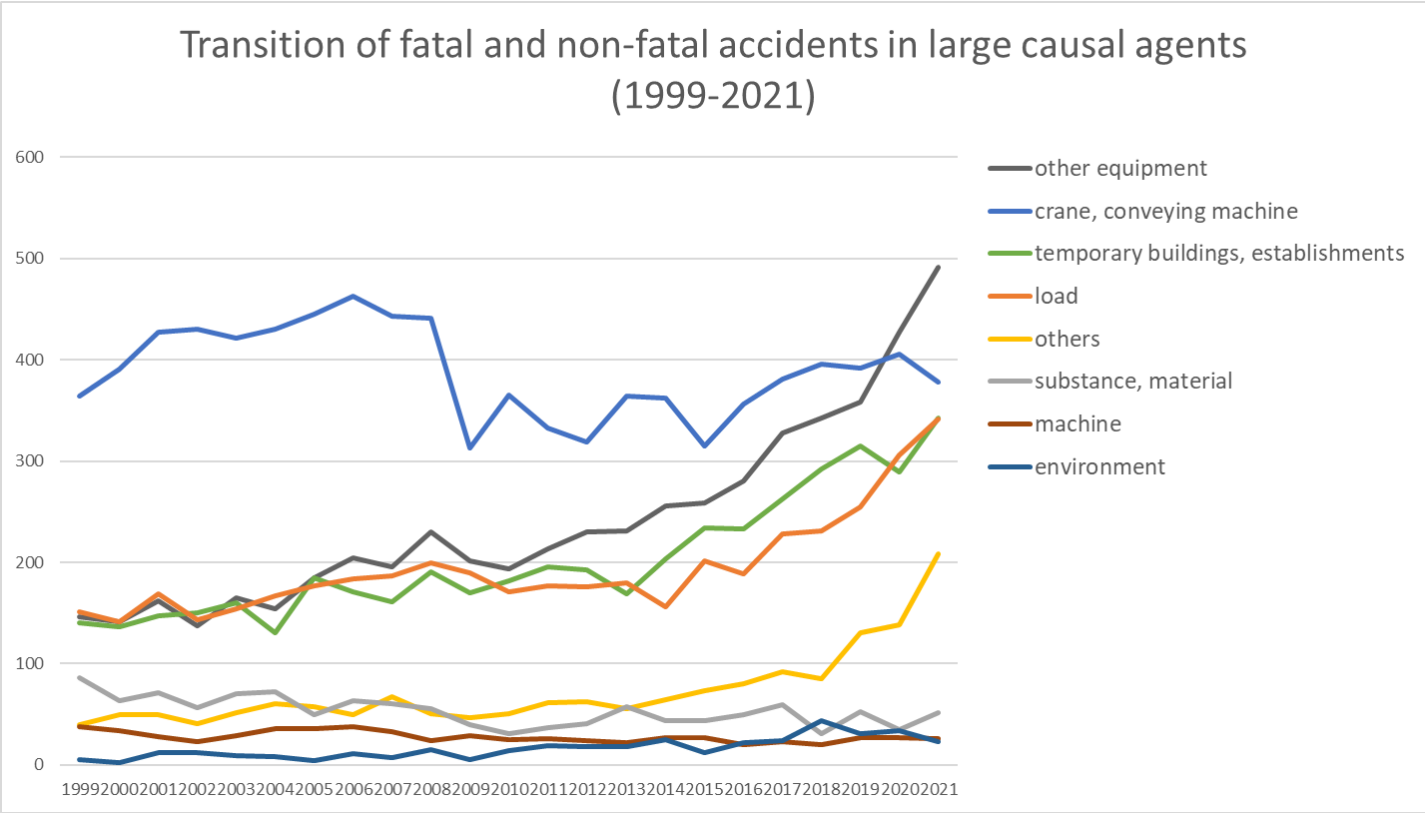
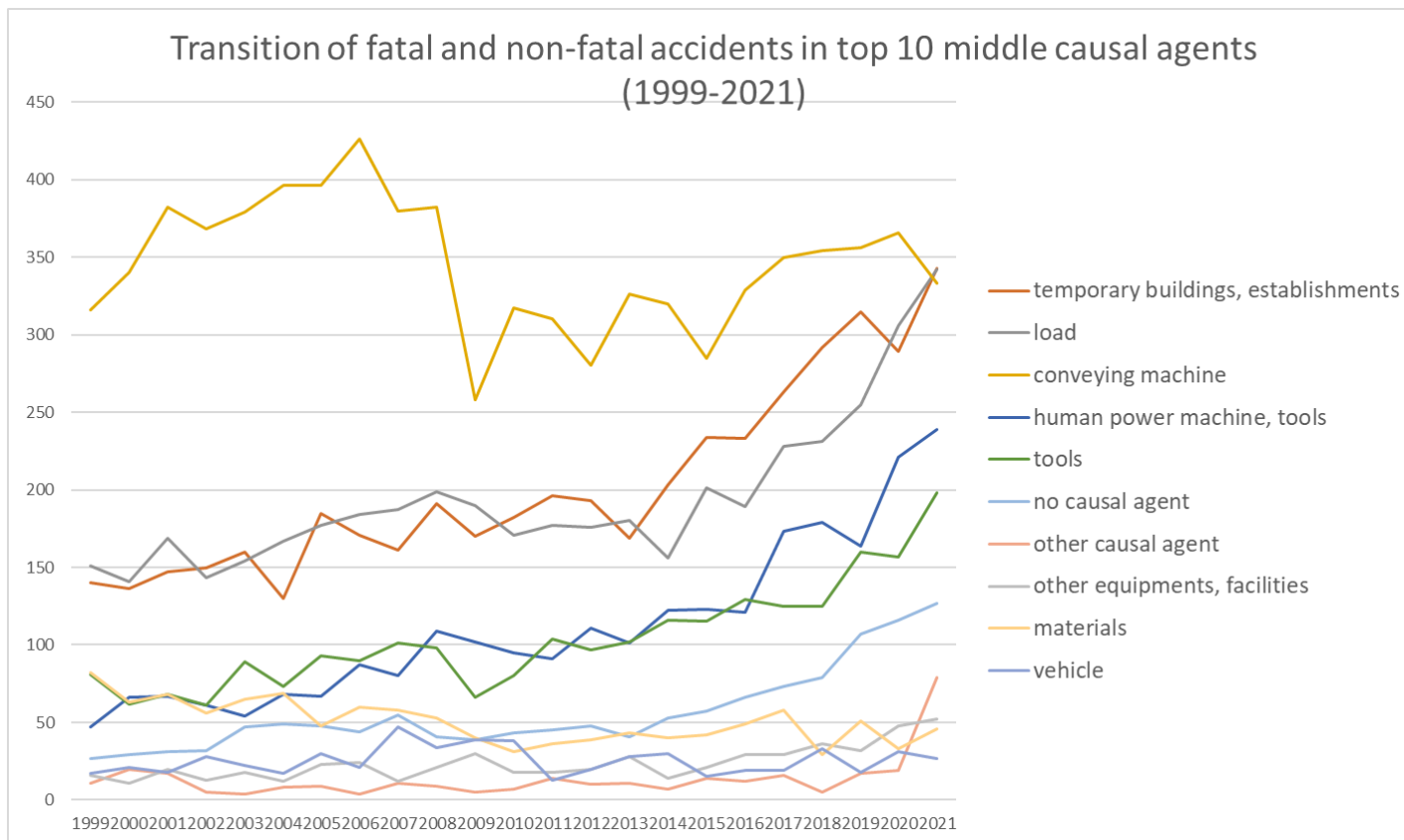


Transition of fatal and non-fatal accidents in each element like as causal agents, type of accidents, etc. in code no. 050101 land cargo handling service (1999-2021)

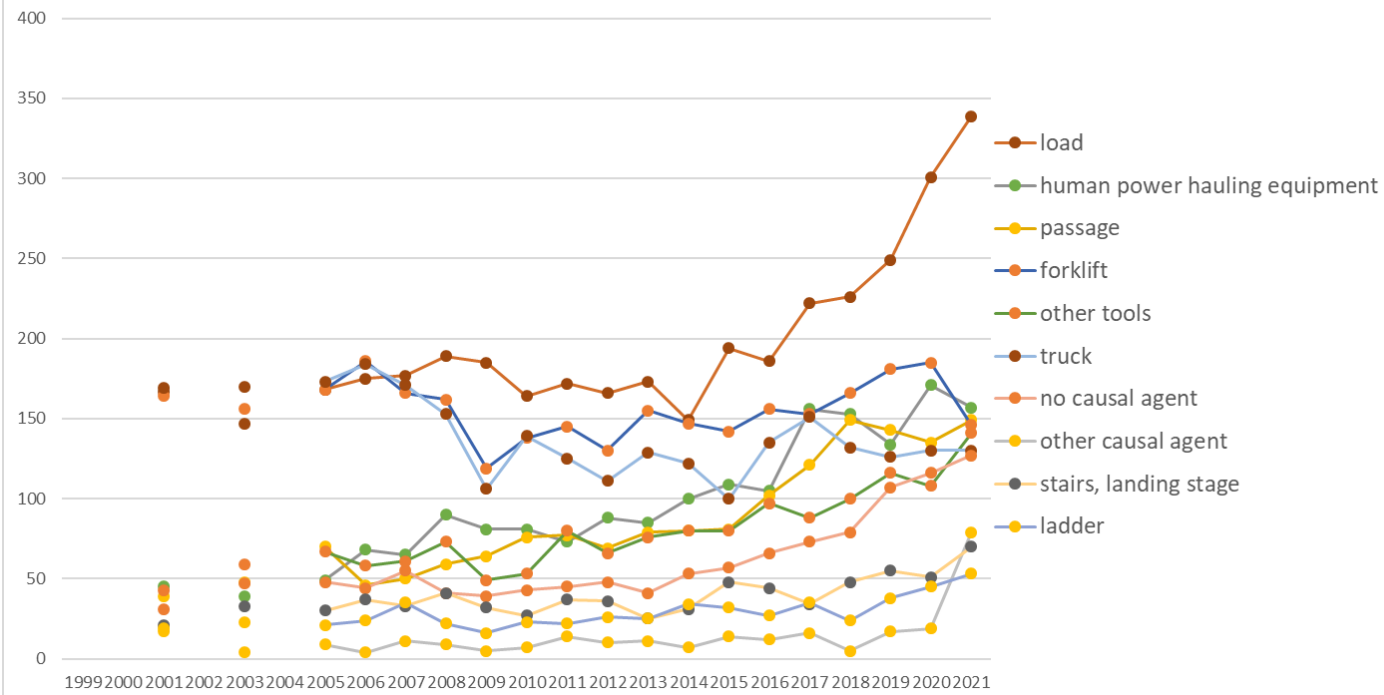


Transition of fatal and non-fatal accidents in large causal agents in code no. 050101 land cargo handling service (1999-2021)



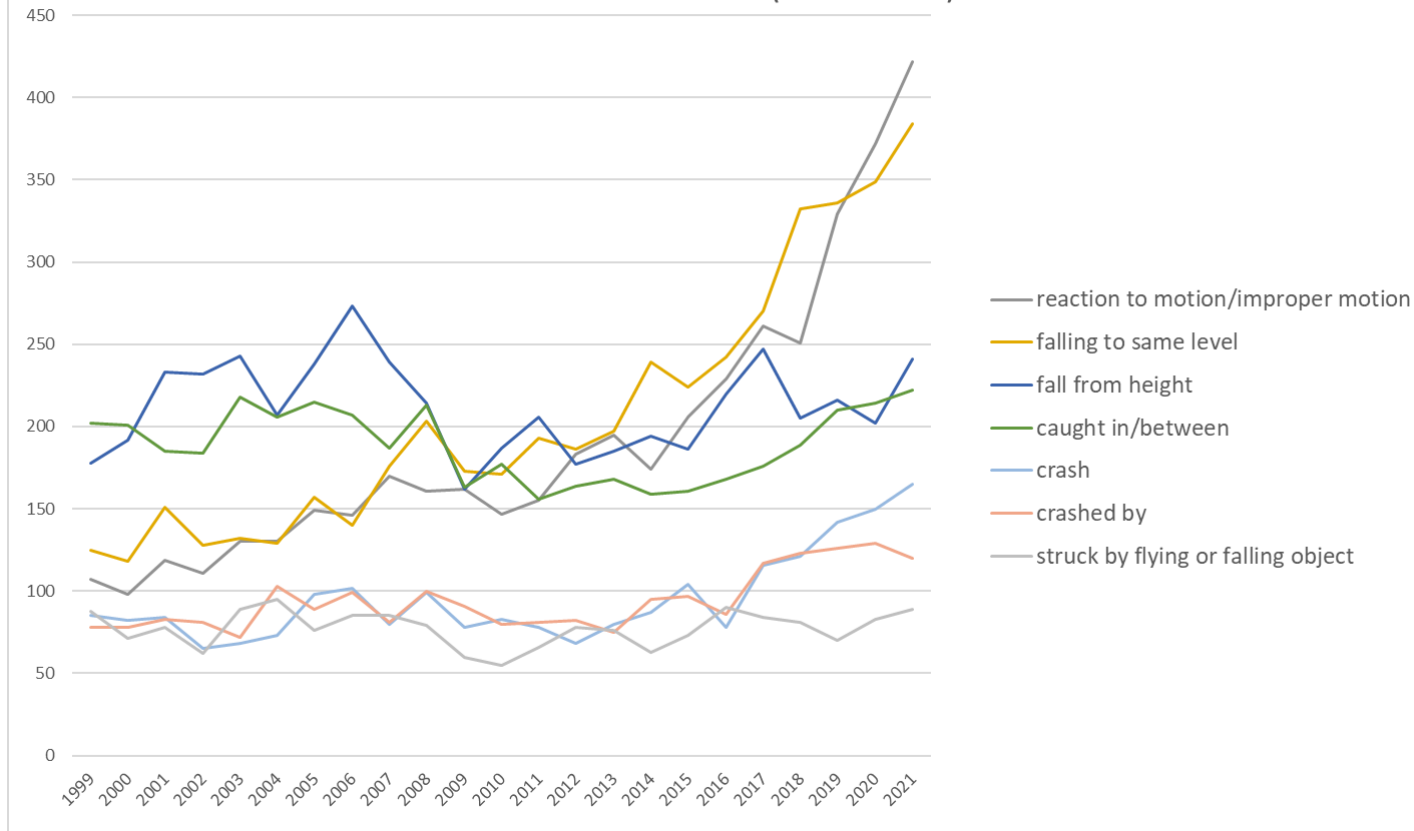
Transition of fatal and non-fatal accidents in middle causal agents in code no. 050101 land cargo handling service (1999-2021)

Transition of fatal and non-fatal accidents in top 10 small causal agents
(1999-2021)

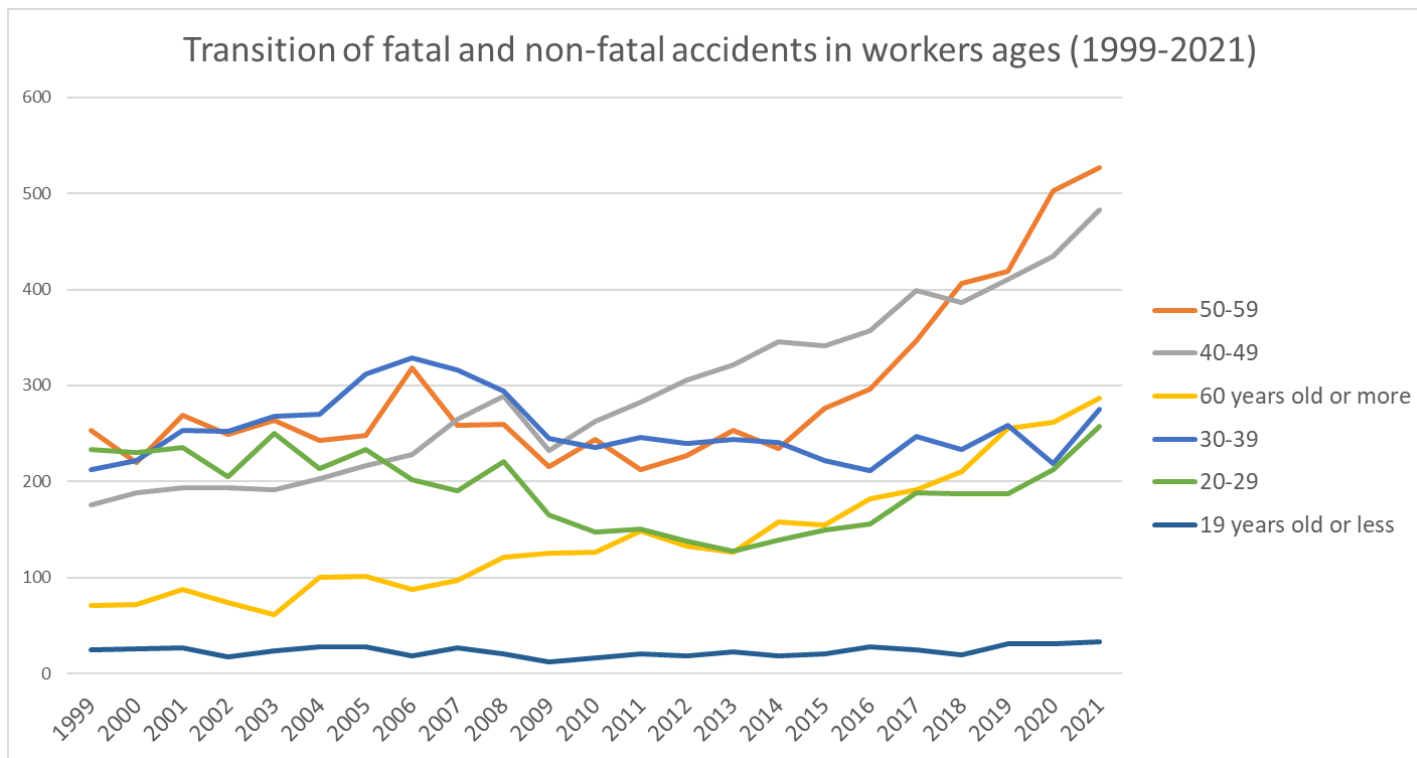


Transition of fatal and non-fatal accidents in small causal agents in code no. 050101 land cargo handling service (1999-2021)

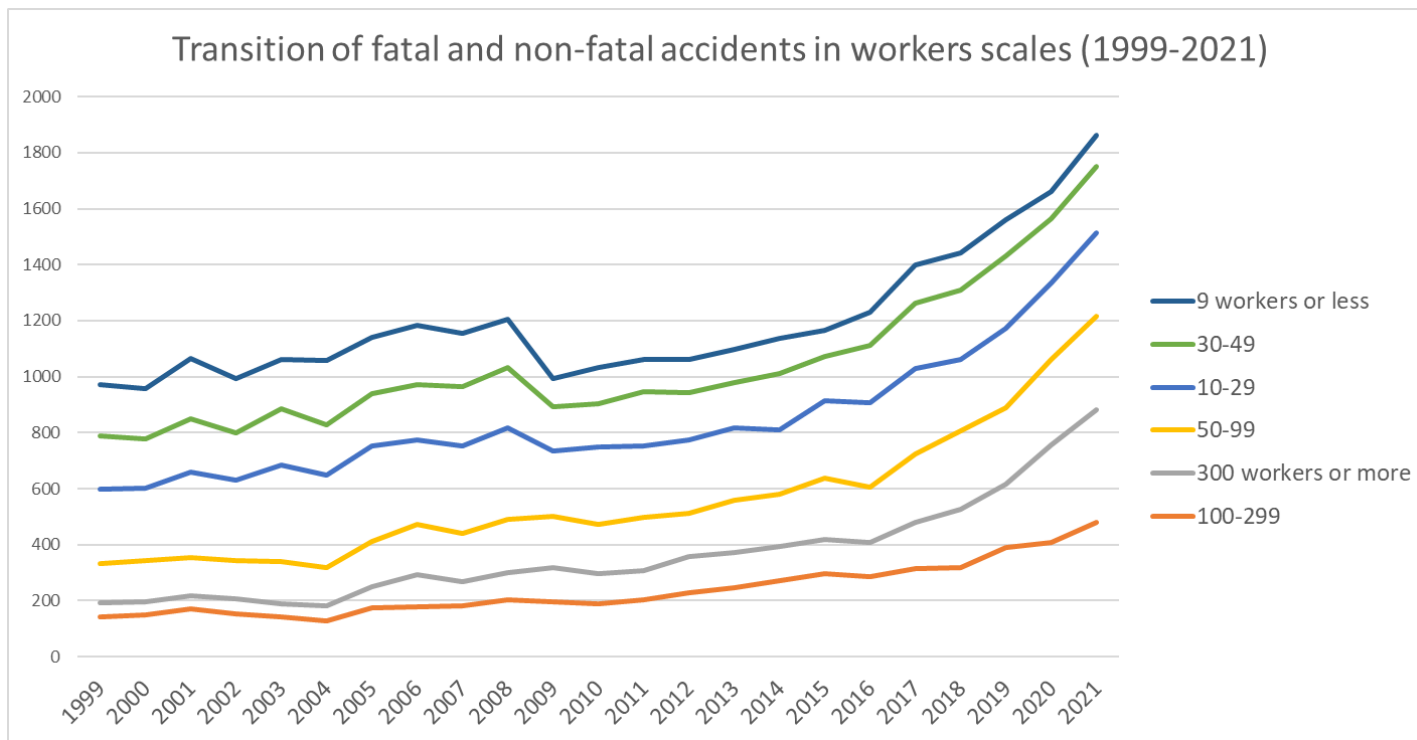
Transition of fatal and non-fatal accidents in top 7 type of accidents
(1999-2021)



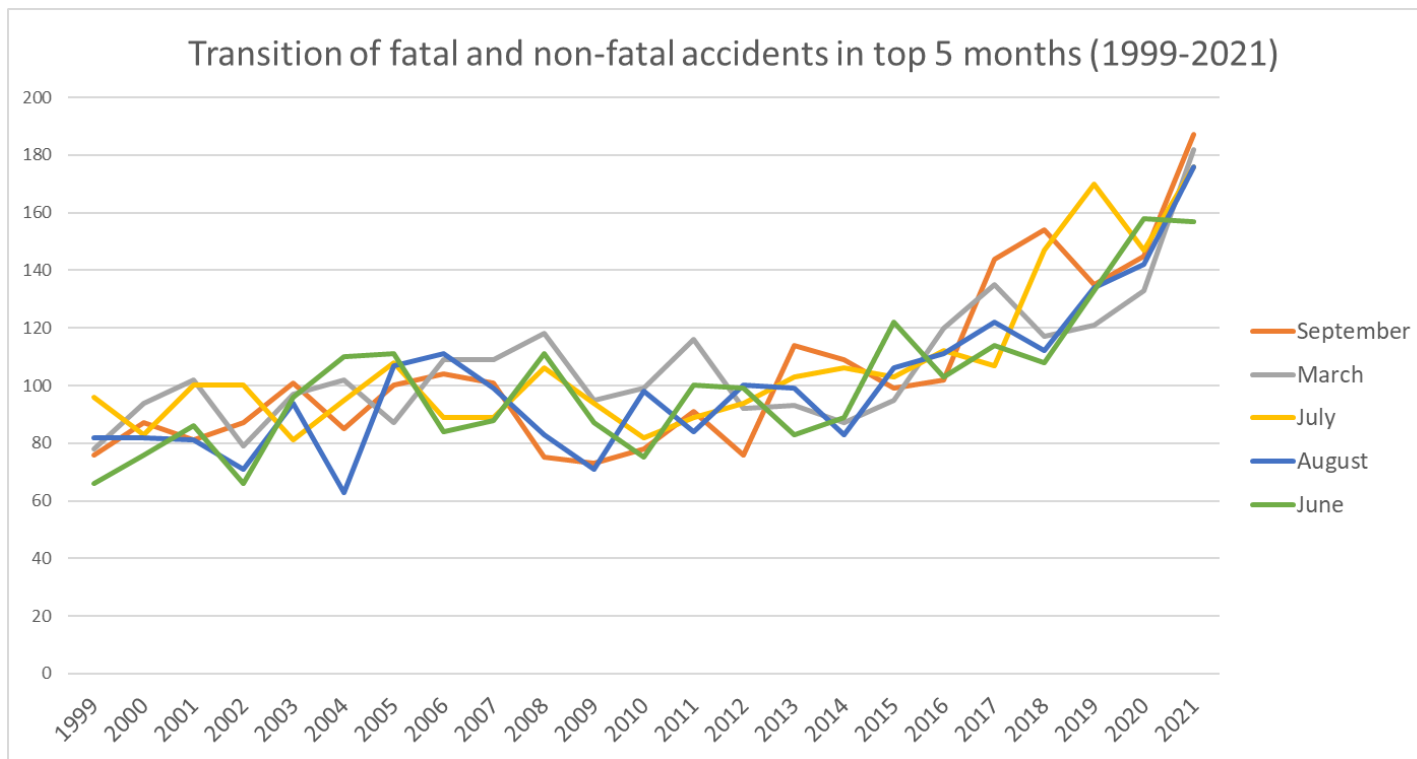
Transition of fatal and non-fatal accidents in type of accidents in code no. 050101 land cargo handling service (1999-2021)



Transition of fatal and non-fatal accidents in workers ages in code no. 050101 land cargo handling service (1999-2021)

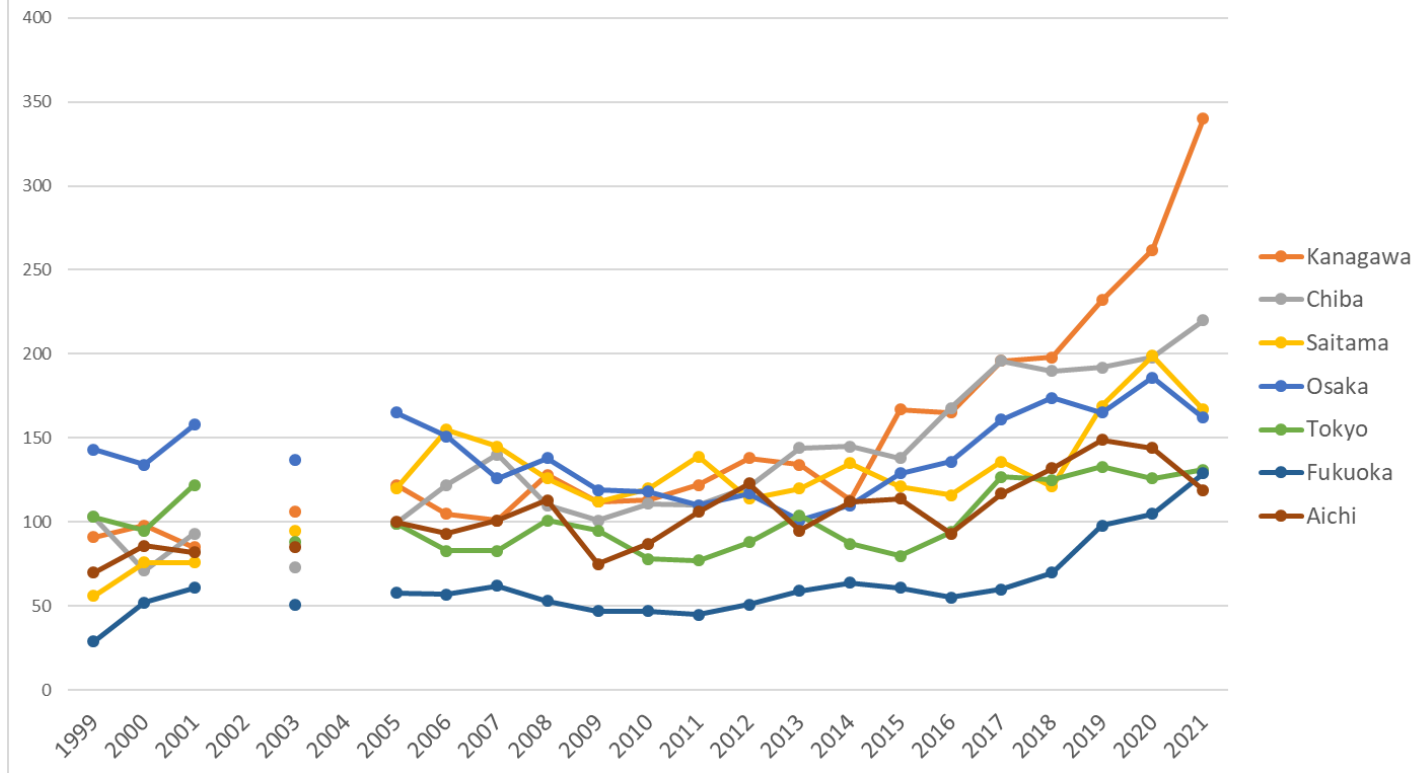


Transition of fatal and non-fatal accidents in workers scales in code no. 050101 land cargo handling service (1999-2021)



Transition of fatal and non-fatal accidents in months in code no. 050101 land cargo handling service (1999-2021)

Transition of fatal and non-fatal accidents in top 7 prefectures (1999-2021)



Transition of fatal and non-fatal accidents in prefectures in code no. 050101 land cargo handling service (1999-2021)

Transition of fatal and non-fatal accidents in large causal agents in code no. 050101 land cargo handling service (1999-2021)

code	Causal (L) agents	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Causal (L) agents
3	other equipment	146	141	162	137	165	154	185	204	196	230	201	194	213	230	231	256	259	280	328	343	358	427	491	5,531	other equipment
2	crane, conveying machine	364	391	427	430	421	430	445	463	443	441	313	365	333	319	364	362	315	356	381	396	392	406	378	8,935	crane, conveying machine
4	temporary buildings,	140	136	147	150	160	130	185	171	161	191	170	182	196	193	169	203	234	233	263	292	315	289	343	4,653	temporary buildings,

	establishments																									establishments
6	load	151	141	169	143	154	167	177	184	187	199	190	171	177	176	180	156	201	189	228	231	255	306	342	4,474	load
9	others	40	50	50	41	52	60	57	50	67	51	47	51	61	62	55	64	73	80	92	85	130	138	208	1,664	others
5	substance, material	86	63	71	56	70	72	50	63	60	55	40	31	37	41	57	44	44	50	59	31	53	35	52	1,220	substance, material
1	machine	38	34	28	23	29	36	36	38	33	24	29	25	26	24	22	27	27	20	23	20	27	27	26	642	machine
7	environment	5	2	12	12	9	8	4	11	7	15	5	14	19	18	18	25	12	22	24	44	31	34	23	374	environment
	total	970	958	1,066	992	1,060	1,057	1,139	1,184	1,154	1,206	995	1,033	1,062	1,063	1,096	1,137	1,165	1,230	1,398	1,442	1,561	1,662	1,863	27,493	total

Transition of fatal and non-fatal accidents in middle causal agents in code no. 050101 land cargo handling service (1999-2021)

[illegible]

31	pressure vessel	2	1	4		1			1	1		2					1				1			1	15	pressure vessel
33	welding equipment			1	2	1											1					2			7	welding equipment
34	kiln, caldron			1		1	1		1	1		1							1						7	kiln, caldron
32	chemical facilities					1		1			1														3	chemical facilities
17	mobile silviculture machine																									mobile silviculture machine
	total	970	958	1,066	992	1,060	1,057	1,139	1,184	1,154	1,206	995	1,033	1,062	1,063	1,096	1,137	1,165	1,230	1,398	1,442	1,561	1,662	1,863	27,493	total

Transition of fatal and non-fatal accidents in small causal agents in code no. 050101 land cargo handling service (1999-2021)

code	Causal (S) agents	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Causal (S) agents
611	load			167		147		168	175	177	189	185	164	172	166	173	149	194	186	222	226	249	301	339	3,749	load
362	human power hauling equipment			45		39		49	68	65	90	81	81	73	88	85	100	109	105	156	153	134	171	157	1,849	human power hauling equipment
417	passage			39		48		70	46	50	59	64	76	77	69	79	80	81	102	121	149	143	135	149	1,637	passage
222	forklift			164		156		168	186	166	162	119	138	145	130	155	147	142	156	153	166	181	185	146	2,965	forklift
379	other tools			43		59		67	58	61	73	49	53	80	66	76	80	80	97	88	100	116	108	141	1,495	other tools
221	truck			169		170		173	184	171	153	106	139	125	111	129	122	100	135	151	132	126	130	130	2,656	truck
921	no causal agent			31		47		48	44	55	41	39	43	45	48	41	53	57	66	73	79	107	116	127	1,160	no causal agent
911	other causal agent			17		4		9	4	11	9	5	7	14	10	11	7	14	12	16	5	17	19	79	270	other causal agent
413	stairs, landing stage			21		33		30	37	33	41	32	27	37	36	25	31	48	44	34	48	55	51	70	733	stairs, landing stage
371	ladder			19		23		21	24	35	22	16	23	22	26	25	34	32	27	35	24	38	45	53	544	ladder
361	human power cranes			2		1		1	1		1		1		1	1	1		2	2	1	16	24	53	108	human power cranes

[illegible]

225	loader					1		1			1	2	1							1	1				8	loader
714	abnormal environment			1					1			1	1	2						1	1				7	abnormal environment
132	band sawing machine			1		1			2	1							1								6	band sawing machine
146	vehicle for high lift work								1	1					1				2	1					6	vehicle for high lift work
153	grinding machine, buffing machine					1		1			1	1								1	1				6	grinding machine, buffing machine
163	roll machine (except printingroll machine)			1				1					1									2	1		6	roll machine (except printingroll machine)
167	industrial robot			1		1		1					1						1			1			6	industrial robot
359	other electrical equipment							1	1	1	1							1		1					6	other electrical equipment
512	inflammable substance			1		1										1	1	1	1						6	inflammable substance
156	shearing machine								1							1						1	2		5	shearing machine
154	power press									1			1		1	1									4	power press
341	kiln, caldron			1		1			1	1															4	kiln, caldron
144	hardening machine									1								1	1						3	hardening machine
321	chemical facilities					1		1			1														3	chemical facilities
332	arc welding equipment																1					2			3	arc welding equipment
134	hollow chisel mortiser, wood			1								1													2	hollow chisel mortiser, wood

[illegible]

161	centrifugal machine																											centrifugal machine
164	injection molding machine																											injection molding machine
171	felling machine																											felling machine
172	mobile logging machine																											mobile logging machine
173	skyline yarding machine																											skyline yarding machine
179	other mobile silviculture machine																											other mobile silviculture machine
213	derrick crane																											derrick crane
216	gondola																											gondola
218	simple skyline yarding equipment																											simple skyline yarding equipment
311	boiler																											boiler
339	other welding equipment																											other welding equipment
342	industrial dryer																											industrial dryer
352	electric power facilities																											electric power facilities
412	timbering																											timbering
515	radiation																											radiation
	total			1,066		1,060		1,139	1,184	1,154	1,206	995	1,033	1,062	1,063	1,096	1,137	1,165	1,230	1,398	1,442	1,561	1,662	1,863	23,516			total

Transition of fatal and non-fatal accidents in type of accidents in code no. 050101 land cargo handling service (1999-2021)

[illegible]

19	reaction to motion/improper motion	107	98	119	111	130	130	149	146	170	161	162	147	155	183	195	174	206	229	261	251	329	372	422	4,407	reaction to motion/improper motion
02	falling to same level	125	118	151	128	132	129	157	140	176	203	173	171	193	186	197	239	224	242	270	332	336	349	384	4,755	falling to same level
01	fall from height	178	192	233	232	243	207	238	273	239	214	162	187	206	177	185	194	186	220	247	205	216	202	241	4,877	fall from height
07	caught in/between	202	201	185	184	218	206	215	207	187	213	163	177	156	164	168	159	161	168	176	189	210	214	222	4,345	caught in/between
03	crash	85	82	84	65	68	73	98	102	80	99	78	83	78	68	80	87	104	78	116	121	142	150	165	2,186	crash
06	crashed by	78	78	83	81	72	103	89	99	81	100	91	80	81	82	75	95	97	86	117	123	126	129	120	2,166	crashed by
04	struck by flying or falling object	88	71	78	62	89	95	76	85	85	79	60	55	66	78	76	63	73	90	84	81	70	83	89	1,776	struck by flying or falling object
90	others	3	3	2	1	2	4	4	3	2	6	5	6	10	6	4	3	5	8	8	8	8	14	73	188	others
05	collapse	40	42	41	42	33	35	38	39	32	45	36	53	52	26	24	29	47	29	48	43	36	51	59	920	collapse
08	cut	29	38	37	22	22	31	29	42	34	30	32	20	30	43	27	40	30	28	23	36	30	44	35	732	cut
17	traffic accident (public road)	17	23	30	46	39	29	37	25	55	39	28	42	22	32	35	30	18	26	27	26	27	25	30	708	traffic accident (public road)
11	contact to high/low-temperature	8	3	8	11	8	6	2	10	6	9	2	7	2	8	10	17	8	20	15	23	22	22	15	242	contact to high/low-temperature
12	contact to harmful substance	3	1	4		3	3	2	4	2			1	1	2	13	1			1		1	1	4	47	contact to harmful substance
09	injury to the sole of the foot	2	2	3	2	1	2	3	2		5		1	2	1	1		3	1	3	1	1	1	3	40	injury to the sole of the foot
18	traffic accident (others)	3	3	2	1			1	2	3	1	1		2	1	2	1		1		2	2	3	1	32	traffic accident (others)

99	unclassifiable	1	1	2	2		1	1	1	2	1	1	2	2	4	2	5	1	2	2	1	3	2		39	unclassifiable
16	fire			1			1		2			1			1		1				2			9	fire	
15	burst	1	1	1			1				1	1						1	1					8	burst	
10	drown				2		1							4										7	drown	
14	explosion		1	1					2						1			1						6	explosion	
13	electric shock			1										2										3	electric shock	
	total	970	958	1,066	992	1,060	1,057	1,139	1,184	1,154	1,206	995	1,033	1,062	1,063	1,096	1,137	1,165	1,230	1,398	1,442	1,561	1,662	1,863	27,493	total

Transition of fatal and non-fatal accidents in workers ages in code no. 050101 land cargo handling service (1999-2021)

code	Age	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Age
5	50-59	253	220	269	249	264	243	248	318	259	260	216	244	212	227	253	234	276	296	347	406	419	503	527	6,743	50-59
4	40-49	176	188	194	194	192	203	217	228	265	289	232	263	283	306	321	346	341	357	399	386	410	435	483	6,708	40-49
6	60 years old or more	71	72	88	74	62	100	101	88	97	121	125	127	149	133	127	158	155	182	192	210	255	262	287	3,236	60 years old or more
3	30-39	212	222	253	252	268	270	312	329	316	294	245	236	246	240	244	241	222	211	247	233	259	219	275	5,846	30-39
2	20-29	233	230	235	205	250	213	233	202	190	221	165	147	151	138	128	139	150	156	188	187	187	212	258	4,418	20-29
1	19 years old or less	25	26	27	18	24	28	28	19	27	21	12	16	21	19	23	19	21	28	25	20	31	31	33	542	19 years old or less
	total	970	958	1,066	992	1,060	1,057	1,139	1,184	1,154	1,206	995	1,033	1,062	1,063	1,096	1,137	1,165	1,230	1,398	1,442	1,561	1,662	1,863	27,493	total

Transition of fatal and non-fatal accidents in workers scales in code no. 050101 land cargo handling service (1999-2021)

[illegible]

12	Chiba	103	71	93		73		99	122	140	110	101	111	110	121	144	145	138	168	196	190	192	198	220	2,845	Chiba
11	Saitama	56	76	76		95		120	155	145	126	112	120	139	114	120	135	121	116	136	121	169	199	167	2,618	Saitama
27	Osaka	143	134	158		137		165	151	126	138	119	118	110	117	101	110	129	136	161	174	165	186	162	2,940	Osaka
13	Tokyo	103	95	122		88		99	83	83	101	95	78	77	88	104	87	80	94	127	125	133	126	131	2,119	Tokyo
40	Fukuoka	29	52	61		51		58	57	62	53	47	47	45	51	59	64	61	55	60	70	98	105	129	1,314	Fukuoka
23	Aichi	70	86	82		85		100	93	101	113	75	87	106	123	95	112	114	93	117	132	149	144	119	2,196	Aichi
28	Hyogo	73	63	80		55		59	53	43	49	44	41	29	30	60	41	36	53	64	59	52	62	85	1,131	Hyogo
1	Hokkaido	45	49	37		31		45	57	40	69	38	39	60	47	44	36	43	46	59	44	46	54	61	990	Hokkaido
41	Saga	10	17	9		9		7	23	19	27	18	9	11	9	12	19	19	24	19	17	19	27	61	385	Saga
8	Ibaraki	23	16	19		23		34	30	31	29	29	27	31	28	30	35	23	21	31	32	42	42	48	624	Ibaraki
4	Miyagi	4	4	11		22		12	14	5	19	18	17	14	12	6	12	14	13	11	18	11	12	42	291	Miyagi
26	Kyoto	9	3	11		14		17	15	20	12	6	9	12	10	7	16	12	8	7	12	10	14	42	266	Kyoto
24	Mie	14	20	19		25		18	15	32	23	14	24	22	13	11	24	25	22	10	20	20	24	28	423	Mie
9	Tochigi	3	9	8		22		10	14	12	18	33	49	19	19	11	12	18	14	18	18	19	21	28	375	Tochigi
34	Hiroshima	19	9	13		21		15	21	15	11	23	15	15	16	22	25	16	21	19	24	25	23	25	393	Hiroshima
10	Gunma	15	14	8		25		14	21	12	11	5	11	12	15	21	14	19	27	23	15	17	17	24	340	Gunma
22	Shizuoka	15	16	32		23		24	16	25	31	8	8	21	19	12	27	25	23	25	36	36	38	20	480	Shizuoka
33	Okayama	15	13	10		19		11	17	25	12	17	14	8	6	12	6	10	16	13	14	14	18	16	286	Okayama
21	Gifu	6	10	12		11		9	19	20	22	11	12	9	6	6	14	11	9	11	19	13	7	16	253	Gifu
25	Shiga	3	8	4		6		6	5	9	6	2	4	8	5	9	3	1	8	4	9	6	2	10	118	Shiga
45	Miyazaki	7	4	3		19		6	11	8	16	6	5	3	4	4	5	3	6	6	5	4	8	8	141	Miyazaki
38	Ehime	7	6	9		6		11	6	8	3	4	4	6	3	7	6	5	7	4	5	8	7	8	130	Ehime
7	Fukushima	15	6	11		11		9	9	8	10	2	3	8	12	14	11	14	8	8	11	12	7	7	196	Fukushima
37	Kagawa	12	9	5		4		2	10	5	6	7	5	11	5	5	9	6	8	13	7	13	8	6	156	Kagawa
47	Okinawa	5		2		4		4	3	4	4	2	5	2	4	2	4	2	6	6	5	4	4	5	77	Okinawa

35	Yamaguchi	13	7	9		7		14	13	3	4	3	9	8	15	6	9	3	12	5	6	4	7	4	161	Yamaguchi
43	Kumamoto	4	7	9		5		6	7	3	6	4	6	9	2	6	4	5	3	3	5	6	3	4	107	Kumamoto
42	Nagasaki	4	10	5		4		7	4	1	7	3	1	4	5	4	6	7	4		3	1	2	4	86	Nagasaki
20	Nagano	2	5	6		4		1	3	6	3	6	3	2		1	1	5	4	5	3	5	2	4	71	Nagano
17	Ishikawa	2	3	2		4		1	1	2	3	1	1	2	4	1		5	4	7	9	4	7	4	67	Ishikawa
30	Wakayama	1	2	3				1		2	1		1	4	2	2	2	3	5	5	5	6	5	4	54	Wakayama
18	Fukui	3		4				2	1	2	3		1	2	4	2	3	3	1	1		2	1	4	39	Fukui
6	Yamagata		1	3		2		1		2	3				3	2	1						1	4	23	Yamagata
46	Kagoshima	4	6	5		10		5	7	2	6	11	6	6	3	1	4	8	10	10	8	8	4	3	127	Kagoshima
39	Kochi	10	8	17		8		2	4	2	1		2	1		3	1		4	3		2	1	3	72	Kochi
29	Nara	5	4	2		1		4	2		4	6	3	1	1	1	4	1	3	1	9	1	2	3	58	Nara
36	Tokushima	8		4		8			3	2	3	3	1		1	3	2			1			1	3	43	Tokushima
15	Niigata	2	4	4		3		3	2	5	5	2	1	2		4	5	5	7	1	7	2	5	2	71	Niigata
16	Toyama	3	3	3		7		2	4	7	1	2	7	2	6	2	4	3		3	2	5	3	2	71	Toyama
44	Oita	4	3	4		2		4	2	3	3	2	3			1	1	1	1	3	1		1	2	41	Oita
3	Iwate	2	1	2		1		2	1				1	4		1	1	1	1	4	1	1		2	26	Iwate
2	Aomori	4	5	3		3		3	4	7	2	3	10	1		1	1	1	2	1	1	1		1	54	Aomori
19	Yamanashi	1				3		2		3	3					1	1	1	1	1	1	2	1	1	22	Yamanashi
31	Tottori	2				2				3			1	3			2	1	1		1	2		1	19	Tottori
5	Akita	1	1	1		1		3					1			2									10	Akita
32	Shimane								1		1	1		1	2								1		7	Shimane
	total	970	958	1,066		1,060		1,139	1,184	1,154	1,206	995	1,033	1,062	1,063	1,096	1,137	1,165	1,230	1,398	1,442	1,561	1,662	1,863	25,444	total

Data source : <https://anzeninfo.mhlw.go.jp/user/anzen/tok/anst00.htm>

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