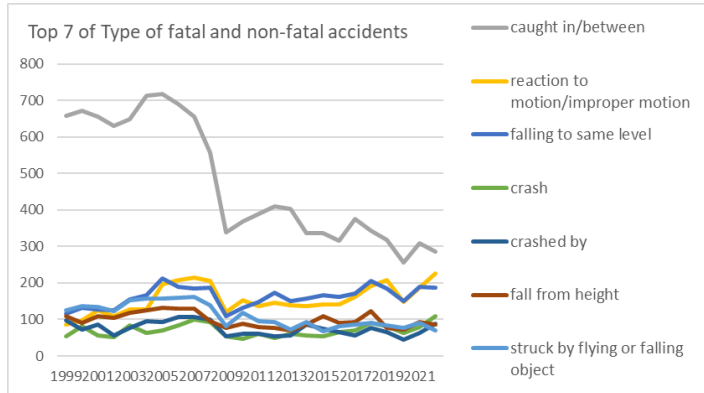
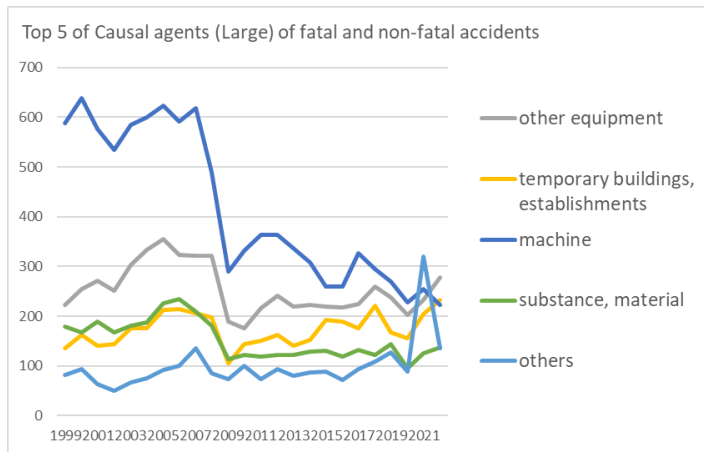


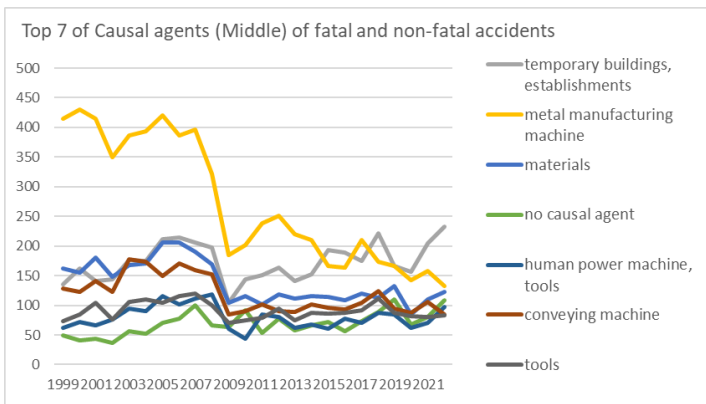
Transition of fatal and non-fatal accidents in 011502 auto mobile products in Japan (1999-2022)



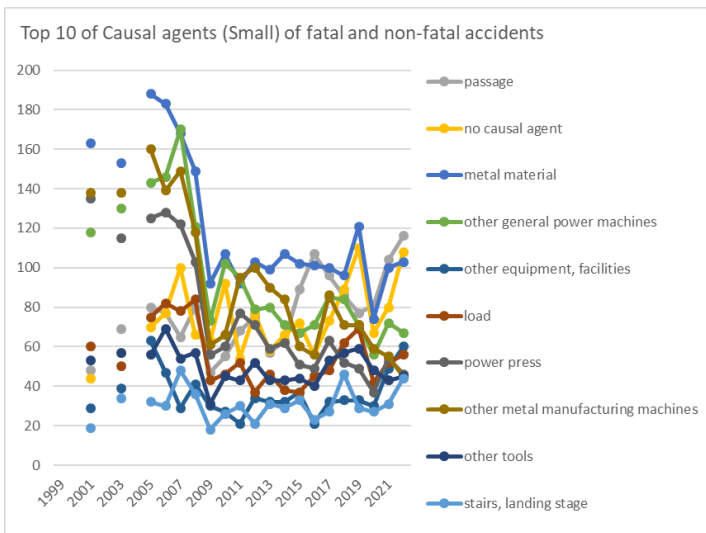
Transition of Top 7 of Type of fatal and non-fatal accidents in 011502 auto mobile products in Japan (1999-2022)



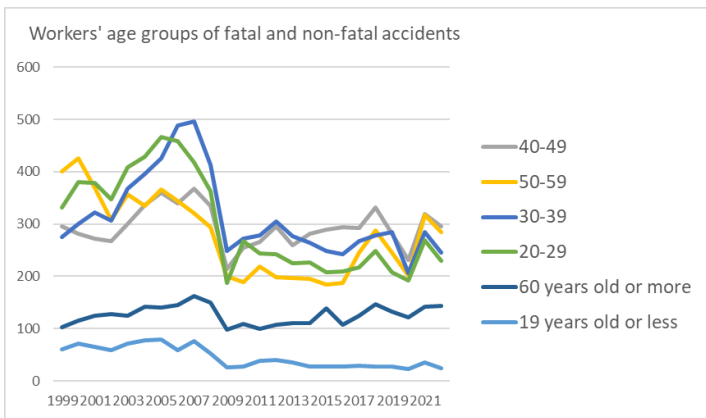
Transition of Top 5 of Causal agents (Large) of fatal and non-fatal accidents in 011502 auto mobile products in Japan (1999-2022)



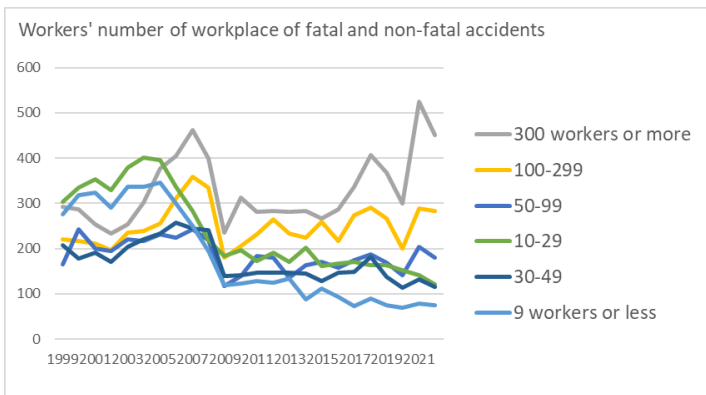
Transition of Top 7 of Causal agents (Middle) of fatal and non-fatal accidents in 011502 auto mobile products in Japan (1999-2022)



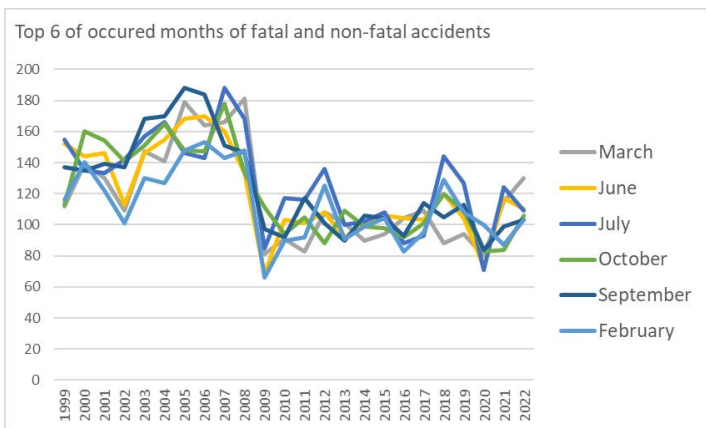
Transition of Top 10 of Causal agents (Small) of fatal and non-fatal accidents in 011502 auto mobile products in Japan (1999-2022)



Transition of workers' age groups of fatal and non-fatal accidents in 011502 auto mobile products in Japan (1999-2022)



Transition of workers' number of workplace of fatal and non-fatal accidents in 011502 auto mobile products in Japan (1999-2022)



Transition of Top 6 of occurred months of fatal and non-fatal accidents in 011502 auto mobile products in Japan (1999-2022)

contact to high/low-temperature	24	43	32	35	46	41	29	30	38	38	19	33	31	31	33	29	22	27	30	44	27	33	32	38	785	high/low-temperature
collapse	19	34	30	40	46	40	45	46	38	41	26	21	30	33	23	27	36	21	19	34	22	19	15	22	727	collapse
contact to harmful substance	5	2	8	11	5	19	12	21	13	8	4	5	8	5	7	7	12	6	11	5	8	8	10	13	213	contact to harmful substance
others	10	40	6	3	7	13	10	9	25	8	10	5	8	8	9	6	9	7	9	8	11	21	221	12	475	others
unclassifiable	5	2	1	4	2	3	3	4	10	1	2			1	1	3	2		3	3		1	1	9	61	unclassifiable
traffic accident (public road)	26	22	20	15	23	14	12	20	30	17	18	18	11	9	14	7	11	17	10	22	11	19	9	5	380	traffic accident (public road)
burst	2	2	1	2	1	2	3		2	1	1		1		1	2	1					1	1	3	27	burst
injury to the sole of the foot	3	1				1	3	2	2	4	1		1		1	2	2	2	1	2	2	1	2	1	34	injury to the sole of the foot
explosion	3	3	2	3	3	4	3	1	1	8	2			2	1	1		4	1		3	1	1		47	explosion
electric shock	3	3	8	2	1	1	2	3	2	2	1	3		1		2	1		2	1	1	1	2		42	electric shock
fire	5	3	1	2	1		5	3		2	3		3		1		2	2	1	2	3	2			41	fire
traffic accident (others)		1	2		1	1	1	1		2							2	1		4			2		18	traffic accident (others)
drown													3		1										4	drown
total	1,464	1,578	1,534	1,416	1,630	1,715	1,837	1,833	1,841	1,607	973	1,119	1,145	1,188	1,103	1,106	1,097	1,069	1,177	1,320	1,180	976	1,368	1,224	32,500	total

Transition of Causal agents (Large) of fatal and non-fatal accidents in 011502 auto mobile products in Japan (1999-2022)

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	2022	total	Causal (L) agents
other equipment	223	255	272	251	303	334	355	323	321	322	190	176	216	241	219	223	220	217	225	259	237	202	232	278	6,094	other equipment

temporary buildings, establishments	135	162	141	144	176	175	212	214	206	197	105	144	151	163	141	152	193	189	175	221	167	156	205	233	4,157	temporary buildings, establishments
machine	588	638	577	534	584	600	623	591	618	489	290	332	364	364	336	309	260	260	327	294	270	227	254	222	9,951	machine
substance, material	179	167	190	168	181	188	226	234	209	180	113	122	119	123	123	129	130	119	132	123	144	95	126	137	3,657	substance, material
others	82	93	64	50	67	75	92	101	135	86	73	101	73	94	81	87	88	72	93	109	128	89	320	136	2,389	others
crane, conveying machine	190	190	203	196	239	245	218	259	245	227	142	157	147	127	127	137	148	136	146	180	143	135	159	120	4,216	crane, conveying machine
load	60	64	73	61	68	90	95	101	97	99	56	59	58	47	56	50	47	57	55	71	75	48	59	68	1,614	load
environment	7	9	14	12	12	8	16	10	10	7	4	28	17	29	20	19	11	19	24	63	16	24	13	30	422	environment
total	1,464	1,578	1,534	1,416	1,630	1,715	1,837	1,833	1,841	1,607	973	1,119	1,145	1,188	1,103	1,106	1,097	1,069	1,177	1,320	1,180	976	1,368	1,224	32,500	total

Transition of Causal agents (Middle) of fatal and non-fatal accidents in 011502 auto mobile products in Japan (1999-2022)

Causal (M) agents	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total	Causal (M) agents
temporary buildings, establishments	135	162	141	144	176	175	212	214	206	197	105	144	151	163	141	152	193	189	175	221	167	156	205	233	4,157	temporary buildings, establishments
metal manufacturing machine	414	430	414	350	387	394	420	387	396	322	185	201	239	251	220	210	166	164	210	173	167	143	158	132	6,533	metal manufacturing machine
materials	162	155	181	148	168	170	206	206	190	169	105	115	102	118	112	115	114	109	120	113	133	85	110	122	3,328	materials
no causal agent	49	41	44	37	57	52	70	77	100	66	63	92	54	77	58	66	72	56	73	89	110	67	80	108	1,658	no causal agent
human power machine,	62	72	66	76	94	90	115	102	112	119	61	43	85	81	62	68	60	77	71	88	84	62	70	97	1,917	human power

tools																										machine, tools
conveying machine	129	122	141	122	177	174	149	170	160	153	84	90	102	90	89	102	96	93	105	124	94	87	106	85	2,844	conveying machine
tools	74	84	105	76	106	110	105	115	120	100	71	75	79	94	75	88	86	87	91	111	88	82	80	83	2,185	tools
general machine	155	188	147	161	172	184	170	179	210	147	92	114	115	104	106	85	85	89	107	103	90	69	86	80	3,038	general machine
load	60	64	73	61	68	90	95	101	97	99	56	59	58	47	56	50	47	57	55	71	75	48	59	68	1,614	load
other equipments, facilities	27	29	29	34	39	50	63	47	29	41	30	27	21	34	32	32	37	21	32	33	33	30	49	60	859	other equipments, facilities
natural environment	7	9	14	12	12	8	16	10	10	7	4	28	17	29	20	19	11	19	24	63	16	24	13	30	422	natural environment
welding equipment	53	56	59	55	46	60	61	49	44	45	21	25	23	23	40	24	29	23	24	25	25	17	20	24	871	welding equipment
other causal agent	24	49	16	9	9	21	20	21	23	14	8	8	16	16	23	20	15	14	17	16	17	22	236	22	656	other causal agent
crane	26	35	26	41	26	38	34	46	38	35	25	29	24	25	18	25	27	15	21	21	16	18	28	18	655	crane
vehicle	35	33	36	33	36	33	35	43	47	39	33	38	21	12	20	10	25	28	20	35	33	30	25	17	717	vehicle
hazards, harmful substances	17	12	9	20	13	18	20	28	19	11	8	7	17	5	11	14	16	10	12	10	11	10	16	15	329	hazards, harmful substances
electric equipment	2	2	6	1	2	5	3	2	3	4	1	3	3	3	2	6	1	3	2		1	4	2	7	68	electric equipment
unclassifiable	9	3	4	4	1	2	2	3	12	6	2	1	3	1		1	1	2	3	4	1		4	6	75	unclassifiable
kiln, caldron	5	9	7	7	13	13	6	6	9	11	3	3	4	5	7	5	7	5	3	2	6	6	8	5	155	kiln, caldron
woodworking machine	7	8	5	9	8	6	11	10	6	3	6	4	3	4	3	3	2	1	3	6	7	8	5	5	133	woodworking machine

power transmission mechanism	11	11	9	13	14	12	20	12	6	15	4	11	6	4	5	10	6	5	7	7	5	7	5	4	209	power transmission mechanism
pressure vessel		2		2	3	3	2		3	2	2		1	1	1				1				1	2	26	pressure vessel
construction machine	1		1		3	3	2	2		2	3	2	1		1	1	1	1		4	1			1	30	construction machine
chemical facilities		1				3		2	1		1							1	1			1	2		13	chemical facilities
engine		1	1	1		1		1						1	1					1					8	engine
mobile silviculture machine																										mobile silviculture machine
total	1,464	1,578	1,534	1,416	1,630	1,715	1,837	1,833	1,841	1,607	973	1,119	1,145	1,188	1,103	1,106	1,097	1,069	1,177	1,320	1,180	976	1,368	1,224	32,500	total

Transition of Causal agents (Small) of fatal and non-fatal accidents in 011502 auto mobile products in Japan (1999-2022)

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	2022	total	Causal (S) agents
passage			48		69		80	77	65	80	47	55	68	75	57	63	89	107	96	86	77	81	104	116	1,540	passage
no causal agent			44		57		70	77	100	66	63	92	54	77	58	66	72	56	73	89	110	67	80	108	1,479	no causal agent
metal material			163		153		188	183	168	149	92	107	92	103	99	107	102	101	100	96	121	74	100	103	2,401	metal material
other general power machines			118		130		143	146	170	121	73	102	95	79	80	71	67	71	85	84	71	56	72	67	1,901	other general power machines
other equipment, facilities			29		39		63	47	29	41	30	27	21	34	32	32	37	21	32	33	33	30	49	60	719	other equipment, facilities
load			60		50		75	82	78	84	43	46	52	37	46	38	37	45	48	62	69	42	52	56	1,102	load
power press			135		115		125	128	122	103	56	60	77	71	59	62	51	49	63	52	49	37	54	46	1,514	power press
other metal																										other metal

temperature environment			7	2	6	5	5	4		18	3	15	9	7	3	12	14	25	11	21	9	16	192	temperature environment
conveyor			25	33	23	35	35	24	11	17	24	16	21	22	21	10	18	29	23	22	20	15	444	conveyor
crane			18	21	25	34	28	28	20	23	18	22	15	18	19	13	17	15	10	10	21	15	390	crane
other materials			10	9	12	16	15	14	10	7	9	11	12	6	8	6	18	15	9	8	7	15	217	other materials
grinding machine, buffing machine			33	39	40	35	33	35	20	16	24	25	15	27	14	20	20	17	23	12	17	14	479	grinding machine, buffing machine
other environments			3	7	9	3	4	3	2	9	8	13	8	10	8	6	8	28	3	2	4	13	151	other environments
machine/equipment as load			13	18	20	19	19	15	13	13	6	10	10	12	10	12	7	9	6	6	7	12	237	machine/equipment as load
other powered conveying machines			15	20	27	20	16	14	12	13	12	6	7	4	10	17	17	12	9	12	11	11	265	other powered conveying machines
lathe			39	43	36	43	40	26	19	27	19	28	19	19	17	15	16	16	12	20	22	9	485	lathe
slinging tool			15	14	11	10	11	9	12	4	9	9	3	8	3	6	8	10	6	11	5	9	173	slinging tool
arc welding equipment			13	11	20	19	19	7	10	8	10	8	6	5	6	9	5	8	8	5	3	7	187	arc welding equipment
other hazards, harmful substances			1	5	6	5	10	1		2	5	1	3	5	5	3	2	2	4	4	5	7	76	other hazards, harmful substances
unclassifiable			4	1	2	3	12	6	2	1	3	1		1	1	2	3	4	1		4	6	57	unclassifiable
roll machine (except printingroll machine)			8	10	8	12	13	8	4	2	8	8	6	4	5	3	6	4	7	6	2	5	129	roll machine (except printingroll machine)
kiln, caldron			6	13	5	6	7	10	2	3	4	4	7	4	6	4	3	2	5	5	8	5	109	kiln, caldron
harmful substance			5	3	6	15	7	5	4	4	5	2	5	5	7	4	8	3	4	5	7	5	109	harmful substance
circular sawing machine			2	6	9	8	4	1	4	3	2	2	1	1			2	3	6	7	5	5	71	circular sawing machine

machine				1		1	1			1	1												6	machine
hollow chisel mortiser, wood borer			2			1			1														6	hollow chisel mortiser, wood borer
excavating machine				1		1	1		1	1													6	excavating machine
engine			1				1						1	1									5	engine
other kiln, caldron			1					1		1			1				1						5	other kiln, caldron
abnormal environment								1		1							1	2					5	abnormal environment
leveling, transporting or loading machine			1		1																		4	leveling, transporting or loading machine
centrifugal machine			1					2	1														4	centrifugal machine
foundation work machine					1												1						3	foundation work machine
vehicle for high lift work							1										1						3	vehicle for high lift work
chamfering machine, router, woodworking milling machine			1																				2	chamfering machine, router, woodworking milling machine
hardening machine													1				1						2	hardening machine
chain saw																							1	chain saw
demolition machine																							1	demolition machine
lumberyard equipment, logging																							1	lumberyard equipment, logging

Age	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total	Age
40-49	296	282	272	268	301	337	360	339	368	335	214	255	266	295	259	282	289	294	293	332	282	232	319	296	7,066	40-49
50-59	400	426	370	308	357	334	366	344	321	294	200	189	218	198	196	195	185	187	246	288	245	202	318	284	6,671	50-59
30-39	275	301	323	307	368	396	426	488	496	413	248	272	278	305	277	264	249	243	267	278	285	206	284	246	7,495	30-39
20-29	331	381	379	348	409	429	466	458	418	363	187	267	244	242	225	227	208	210	217	249	208	192	269	230	7,157	20-29
60 years old or more	102	116	125	127	124	142	140	145	162	150	98	109	100	108	111	110	138	107	125	146	133	121	142	143	3,024	60 years old or more
19 years old or less	60	72	65	58	71	77	79	59	76	52	26	27	39	40	35	28	28	28	29	27	27	23	36	25	1,087	19 years old or less
total	1,464	1,578	1,534	1,416	1,630	1,715	1,837	1,833	1,841	1,607	973	1,119	1,145	1,188	1,103	1,106	1,097	1,069	1,177	1,320	1,180	976	1,368	1,224	32,500	total

Transition of workers' number of workplace of fatal and non-fatal accidents in 011502 auto mobile products in Japan (1999-2022)

Workers scale	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total	Workers scale
300 workers or more	292	287	254	234	254	302	377	405	462	400	235	312	281	284	282	283	266	287	336	406	368	300	524	451	7,882	300 workers or more
100-299	220	217	211	197	236	238	256	310	359	335	179	206	232	264	234	224	259	217	274	291	267	200	289	283	5,998	100-299
50-99	165	243	200	194	221	217	231	224	242	218	117	140	184	180	136	164	170	158	175	188	168	142	203	180	4,460	50-99
10-29	303	334	354	330	379	402	395	336	284	218	183	196	173	190	171	202	162	167	170	164	164	152	142	120	5,691	10-29
30-49	208	178	191	171	203	220	233	258	245	241	140	142	147	146	146	145	128	146	149	181	138	113	132	116	4,117	30-49
9 workers or less	276	319	324	290	337	336	345	300	249	195	119	123	128	124	134	88	112	94	73	90	75	69	78	74	4,352	9 workers or less
total	1,464	1,578	1,534	1,416	1,630	1,715	1,837	1,833	1,841	1,607	973	1,119	1,145	1,188	1,103	1,106	1,097	1,069	1,177	1,320	1,180	976	1,368	1,224	32,500	total

Transition of occurred months of fatal and non-fatal accidents in 011502 auto mobile products in Japan (1999-2022)

Month	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total	Month
March	112	139	130	109	147	141	179	164	166	181	81	91	83	108	101	90	94	104	109	88	94	80	115	130	2,836	March
June	152	144	146	113	146	155	168	170	160	133	68	103	101	108	92	100	106	104	103	120	104	73	117	110	2,896	June
July	155	135	133	142	157	166	146	143	188	168	85	117	116	136	100	102	108	88	93	144	127	71	124	109	3,053	July

October	113	160	154	141	151	165	148	147	178	133	111	94	105	88	109	99	98	92	101	120	109	83	84	106	2,889	October
September	137	135	139	137	168	170	188	184	151	146	97	92	117	101	90	106	104	93	114	105	113	84	99	103	2,973	September
February	116	140	122	101	130	127	148	153	143	148	66	90	92	125	91	99	104	83	95	129	108	100	87	103	2,700	February
November	120	128	114	125	113	136	156	144	143	99	102	76	98	81	89	77	72	88	97	106	85	83	121	98	2,551	November
December	116	138	106	120	132	132	157	124	120	76	63	86	99	78	78	73	76	76	93	104	83	110	117	97	2,454	December
August	119	130	121	110	128	142	152	155	157	130	69	125	97	104	109	91	70	82	110	110	75	84	113	94	2,677	August
January	111	109	125	119	138	137	129	147	161	134	87	83	101	96	82	107	86	105	99	114	101	104	107	93	2,675	January
May	110	127	120	114	125	122	134	126	148	134	67	78	58	85	97	91	93	76	80	90	96	52	120	91	2,434	May
April	103	93	124	85	95	122	132	176	126	125	77	84	78	78	65	71	86	78	83	90	85	52	164	90	2,362	April
total	1,464	1,578	1,534	1,416	1,630	1,715	1,837	1,833	1,841	1,607	973	1,119	1,145	1,188	1,103	1,106	1,097	1,069	1,177	1,320	1,180	976	1,368	1,224	32,500	total

Transition of prefectures of fatal and non-fatal accidents in 011502 auto mobile products in Japan (1999-2022)

Prefecture	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	total	Prefecture
Aichi	312	341	294		309		341	356	342	264	171	198	188	231	219	191	168	180	197	208	185	204	202	227	5,328	Aichi
Shizuoka	214	226	256		227		282	223	276	224	110	136	144	138	124	129	134	117	130	148	149	107	155	117	3,766	Shizuoka
Gunma	104	86	91		105		105	111	125	100	77	70	98	91	83	97	81	70	77	85	88	65	115	98	2,022	Gunma
Kanagawa	137	139	144		164		193	154	152	145	97	113	98	94	67	94	92	79	101	130	111	68	89	93	2,554	Kanagawa
Hiroshima	67	81	55		75		90	90	78	84	51	72	50	60	57	53	53	52	72	82	58	47	72	82	1,481	Hiroshima
Saitama	73	93	91		94		106	109	109	87	45	58	62	48	50	48	49	51	54	61	67	42	78	53	1,528	Saitama
Gifu	50	45	52		59		52	71	85	42	27	19	25	30	33	26	42	34	32	42	38	37	47	46	934	Gifu
Mie	54	60	72		47		67	110	103	91	45	57	49	67	55	48	62	56	55	64	57	36	135	43	1,433	Mie
Okayama	28	22	20		21		43	44	38	31	16	24	29	29	27	30	15	19	29	34	27	15	13	40	594	Okayama
Tochigi	45	41	41		48		59	47	42	46	26	33	44	40	47	50	45	50	40	48	29	44	30	33	928	Tochigi
Fukuoka	33	30	24		46		41	43	55	36	24	24	30	32	26	35	35	56	59	57	50	35	37	33	841	Fukuoka
Tokyo	42	50	44		41		32	23	25	44	16	13	24	27	16	23	21	16	18	24	17	13	17	29	575	Tokyo

Fukui	1	1	4		3		3	7	5	3	2	3	2	2	2	3	4	1	2	6	5	4	5	3	71	Fukui
Aomori	2	2	2		2		4	3	1	2		3	3		1	1		1	1	2		1	4	3	38	Aomori
Tottori	1	3	3		3		1	4	3	3	1	2	2	3			1	2		4	2	1	2	2	43	Tottori
Tokushima	2	1			2		1			2	2	4	1	1	6	1		2	1	2	4	1	2	2	37	Tokushima
Okinawa		1								2			1		1			1					1	1	8	Okinawa
Kagoshima	4	4	5		1		4	4	3	1	2		1	2	1	3	1	1		2	2	2	2		45	Kagoshima
Kochi	2		7		2		5	2		3					2	1	3	1	1		2				31	Kochi
Nagasaki			1		1		3			1	2						1		1	2	3	5	1		21	Nagasaki
Kagawa	1	1	1		3			2	1			2	2		1					4	1				19	Kagawa
Ehime										1		2		2	1										6	Ehime
total	1,464	1,578	1,534	1,416	1,630	1,715	1,837	1,833	1,841	1,607	973	1,119	1,145	1,188	1,103	1,106	1,097	1,069	1,177	1,320	1,180	976	1,368	1,224	32,500	total

Data Source : <https://anzeninfo.mhlw.go.jp/user/anzen/tok/anst00.html> MHLW, Jaan

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