

Fatal and non-fatal accidents in general truck transportation service in Japan in 1999-2021

general truck transportation service industry Code No.040301

Type of accidents in general truck transportation service in 1999-2021

Type of accidents	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Type of accidents
fall from height	3,799	3,984	4,208	3,822	3,887	3,908	3,835	3,849	3,904	3,868	3,397	3,422	3,395	3,417	3,550	3,598	3,533	3,494	3,713	3,950	3,833	3,851	4,004	86,221	fall from height
falling to same level	1,273	1,391	1,547	1,369	1,426	1,492	1,470	1,618	1,553	1,684	1,468	1,591	1,651	1,637	1,727	1,797	1,719	1,674	1,856	2,197	2,013	2,114	2,300	38,567	falling to same level
crash	1,015	1,026	1,019	919	1,002	955	995	1,004	990	905	829	903	797	884	906	867	877	933	951	984	952	978	975	21,666	crash
struck by flying or falling object	1,039	990	1,045	947	877	934	849	906	799	787	673	652	685	677	676	669	627	651	619	644	574	578	581	17,479	struck by flying or falling object
collapse	497	529	514	468	508	515	447	456	483	470	413	443	397	408	421	352	368	352	364	398	413	365	380	9,961	collapse
crashed by	689	687	685	710	625	719	672	761	784	724	544	578	605	613	597	634	601	616	653	658	668	627	632	15,082	crashed by
caught in/between	1,776	1,928	1,874	1,778	1,764	1,766	1,604	1,692	1,657	1,655	1,383	1,471	1,425	1,396	1,387	1,411	1,323	1,349	1,356	1,395	1,382	1,303	1,311	35,386	caught in/between
cut	177	209	225	173	181	157	161	169	162	167	161	154	147	132	172	135	117	146	128	146	135	122	124	3,600	cut
injury to the sole of the foot	16	27	27	14	24	27	20	25	30	16	12	12	16	17	18	23	22	20	19	24	21	18	16	464	injury to the sole of the foot
drown				1	2	1	1	2		1	1	1	114	1			2				3			130	drown
contact to high/low-temperature	46	60	72	72	55	55	63	51	59	69	40	91	81	80	88	71	87	67	91	185	126	148	86	1,843	contact to high/low-temperature
contact to harmful substance	15	28	19	27	17	16	19	13	15	26	16	19	12	16	17	11	14	11	14	16	16	24	16	397	contact to harmful substance
electric shock	2	4	2	1	3		3	1	1	1	3	2	1	1	1	3	2	1	1			2	3	38	electric shock
explosion	5	4	2	1	5	4	4	5	5	4	2	4	3			1	2		4	1	5	2	4	67	explosion

burst	5	9	16	3	9	11	9	9	11	4	2	5	3	5	4	8	3	5	3	2	5	6	5	142	burst
fire	3	10	4	2	4	5	4	4	3	2	2	1		2	2	4	4		1	1	1	1	2	62	fire
traffic accident (public road)	1,479	1,495	1,479	1,309	1,309	1,301	1,235	1,182	1,125	996	840	904	959	933	963	944	878	818	821	793	755	708	735	23,961	traffic accident (public road)
traffic accident (others)	14	15	9	4	3	7	6	6	11	5	3	3	7	10	6	9	11	6	7	7	8	5	7	169	traffic accident (others)
reaction to motion/improper motion	1,609	1,591	1,608	1,567	1,582	1,578	1,529	1,657	1,694	1,762	1,596	1,595	1,699	1,623	1,612	1,591	1,634	1,721	1,833	2,039	2,034	2,226	2,428	39,808	reaction to motion/improper motion
others	37	47	41	41	45	68	49	46	48	59	66	54	87	54	54	41	67	59	66	68	72	204	374	1,747	others
unclassifiable	18	14	28	24	29	14	24	26	28	27	14	11	23	30	20	25	20	20	25	21	18	10	8	477	unclassifiable
total	13,514	14,048	14,424	13,252	13,357	13,533	12,999	13,482	13,362	13,232	11,465	11,916	12,107	11,936	12,221	12,194	11,911	11,943	12,525	13,529	13,034	13,292	13,991	297,267	total

Causal agents (large) of fatal and non-fatal accidents in general truck transportation service in 1999-2021

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
machine	155	146	152	143	140	134	98	121	131	120	113	97	98	101	109	95	94	97	95	99	80	87	92	2,597	machine
crane, conveying machine	6,953	7,235	7,312	6,797	6,871	6,882	6,627	6,654	6,510	6,204	5,392	5,634	5,720	5,631	5,825	5,745	5,678	5,492	5,738	5,918	5,738	5,614	5,848	142,018	crane, conveying machine
other equipment	1,295	1,341	1,448	1,401	1,361	1,446	1,396	1,592	1,692	1,783	1,469	1,543	1,520	1,605	1,607	1,637	1,630	1,755	1,759	1,920	1,981	2,013	2,060	37,254	other equipment
temporary buildings, establishments	1,499	1,666	1,741	1,557	1,648	1,810	1,664	1,742	1,733	1,857	1,715	1,787	1,731	1,747	1,764	1,870	1,809	1,925	2,079	2,419	2,225	2,388	2,508	42,884	temporary buildings, establishments
substance, material	939	937	908	818	787	764	710	738	723	683	544	537	553	533	569	561	499	457	509	495	462	451	430	14,607	substance, material
load	1,961	2,014	2,086	1,819	1,876	1,757	1,679	1,767	1,846	1,829	1,511	1,494	1,515	1,485	1,495	1,381	1,363	1,381	1,389	1,489	1,456	1,490	1,507	37,590	load

environment	162	180	243	171	175	193	203	224	166	219	165	247	396	265	307	332	246	280	313	496	301	334	354	5,972	environment
others	550	529	534	546	499	547	622	644	561	537	556	577	574	569	545	573	592	556	643	693	791	915	1,192	14,345	others
total	13,514	14,048	14,424	13,252	13,357	13,533	12,999	13,482	13,362	13,232	11,465	11,916	12,107	11,936	12,221	12,194	11,911	11,943	12,525	13,529	13,034	13,292	13,991	297,267	total

Causal agents (middle) of fatal and non-fatal accidents in general truck transportation service in 1999-2021

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	total	Causal (M) agents
engine	3	2	1	2		1		1	1			1		1	3	1	2		2	2	2		2	27	engine
power transmission mechanism	8	5	7	4	4	4	6	7	6	2	7	6	6	4	6	7	9	6	1	1	7	3	7	123	power transmission mechanism
woodworking machine	25	26	22	25	19	20	15	15	14	26	15	14	13	14	15	10	8	13	11	6	6	10	8	350	woodworking machine
construction machine	62	45	56	52	57	42	29	45	49	31	41	39	41	38	34	42	33	42	36	35	24	33	28	934	construction machine
metal manufacturing machine	11	15	20	8	22	13	9	9	8	14	11	10	14	10	12	6	15	10	10	10	5	8	18	268	metal manufacturing machine
general machine	46	53	46	52	38	54	39	44	53	47	39	27	24	34	39	29	26	24	33	43	35	33	27	885	general machine
mobile silviculture machine																	1	2	2	2	1		2	10	mobile silviculture machine
crane	326	295	288	280	309	290	273	252	244	225	166	189	175	162	195	192	174	187	172	182	184	154	170	5,084	crane
conveying machine	6,279	6,641	6,717	6,204	6,264	6,248	5,995	6,002	5,829	5,601	4,877	5,132	5,214	5,126	5,311	5,193	5,183	4,991	5,202	5,370	5,205	5,166	5,334	129,084	conveying machine
vehicle	348	299	307	313	298	344	359	400	437	378	349	313	331	343	319	360	321	314	364	366	349	294	344	7,850	vehicle
pressure vessel	12	13	19	13	13	12	7	5	7	3	6	7	5	7	6	4	8	5	5	2	5	2	5	171	pressure vessel

chemical facilities	1		3	1		1	1	4	1			3	2	1		2	3	2		4		1	8	38	chemical facilities
welding equipment	3	2	2	4		3	3		7	3	2	1	1	2		2	2		2	4	1	1	2	47	welding equipment
kiln, caldron		1		2	1		1		1		1		1	2							1			11	kiln, caldron
electric equipment	11	12	4	4	7	2	3	7	4	3	4	6	5	8	3	6	4	8	5	7	8	5	14	140	electric equipment
human power machine, tools	512	536	570	595	561	623	580	647	735	818	648	728	709	770	786	789	760	924	890	955	994	1,037	1,037	17,204	human power machine, tools
tools	654	673	730	704	695	700	707	789	807	820	681	658	678	679	702	730	741	711	746	796	847	822	853	16,923	tools
other equipments, facilities	102	104	120	78	84	105	94	140	130	136	127	140	119	136	110	104	112	105	111	152	125	145	141	2,720	other equipments, facilities
temporary buildings, establishments	1,499	1,666	1,741	1,557	1,648	1,810	1,664	1,742	1,733	1,857	1,715	1,787	1,731	1,747	1,764	1,870	1,809	1,925	2,079	2,419	2,225	2,388	2,508	42,884	temporary buildings, establishments
hazards, harmful substances	27	38	30	29	22	19	25	31	23	42	19	18	24	16	21	18	19	16	20	13	21	38	20	549	hazards, harmful substances
materials	912	899	878	789	765	745	685	707	700	641	525	519	529	517	548	543	480	441	489	482	441	413	410	14,058	materials
load	1,961	2,014	2,086	1,819	1,876	1,757	1,679	1,767	1,846	1,829	1,511	1,494	1,515	1,485	1,495	1,381	1,363	1,381	1,389	1,489	1,456	1,490	1,507	37,590	load
natural environment	162	180	243	171	175	193	203	224	166	219	165	247	396	265	307	332	246	280	313	496	301	334	354	5,972	natural environment
other causal agent	120	128	114	87	96	106	108	98	94	99	75	52	80	78	94	83	99	82	92	108	92	220	369	2,574	other causal agent
no causal agent	404	380	393	430	374	420	492	519	431	403	458	515	470	456	426	464	475	460	528	568	683	684	810	11,243	no causal agent
unclassifiable	26	21	27	29	29	21	22	27	36	35	23	10	24	35	25	26	18	14	23	17	16	11	13	528	unclassifiable
total	13,514	14,048	14,424	13,252	13,357	13,533	12,999	13,482	13,362	13,232	11,465	11,916	12,107	11,936	12,221	12,194	11,911	11,943	12,525	13,529	13,034	13,292	13,991	297,267	total

Causal agents (small) of fatal and non-fatal accidents in general truck transportation service in 1999-2021

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	
engine			1					1	1			1		1	3	1	2		2	2	2		2	19	engine	
power transmission mechanism			7		4		6	7	6	2	7	6	6	4	6	7	9	6	1	1	7	3	7	102	power transmission mechanism	
circular sawing machine			17		16		10	6	7	19	7	11	7	9	9	6	6	8	8	1	4	7	1	159	circular sawing machine	
band sawing machine								2	1	1				1		1								6	band sawing machine	
wood planer machine											2		1								1			4	wood planer machine	
hollow chisel mortiser, wood borer					1						1			1							1			4	hollow chisel mortiser, wood borer	
chamfering machine, router, woodworking milling machine																										chamfering machine, router, woodworking milling machine
chain saw			3				3	4	2	2	3	1	3	1	2		1	3	1	2	1	3	1	36	chain saw	
other woodworking machines			2		2		2	3	4	4	2	2	2	2	4	3	1	2	2	2			6	45	other woodworking machines	
leveling, transporting or loading machine			14		18		12	10	20	7	13	8	6	12	16	12	12	12	17	10	10	10	9	228	leveling, transporting or loading machine	
excavating machine			27		21		14	18	12	14	16	18	22	16	10	18	10	15	10	15	8	11	10	285	excavating machine	
foundation work machine			1		2				1	1		2									1	1		9	foundation work machine	
hardening machine			7		5			3	2	2	1		2	1	2	1	2	2	1					31	hardening machine	



power machines			41		33			37	38	41	37	34	24	22	32	36	29	24	23	30	35	32	27	25	600	power machines	
felling machine																			1	1	1	1		1	5	felling machine	
mobile logging machine																		1		1	1			1	4	mobile logging machine	
skyline yarding machine																										skyline yarding machine	
other mobile silviculture machine																			1						1	other mobile silviculture machine	
crane			115		130			101	115	102	95	61	77	60	74	70	66	50	70	68	65	70	62	58	1,509	crane	
mobile crane			143		142			142	120	117	112	82	95	101	74	105	102	109	101	89	99	97	84	85	1,999	mobile crane	
derrick crane					1																				1	derrick crane	
elevator, lift			17		19			17	15	16	14	17	9	7	10	17	13	11	10	11	11	13	3	16	246	elevator, lift	
cargo lifting appliance														2									1	2		5	cargo lifting appliance
gondola												1											1	2	4	gondola	
lumberyard equipment, logging cableway															1										1	3	lumberyard equipment, logging cableway
simple skyline yarding equipment																											simple skyline yarding equipment
other powered crane			13		17			13	2	9	4	5	8	5	3	3	11	4	5	4	7	3	2	8	126	other powered crane	
truck			5,788		5,404			5,133	5,094	4,970	4,823	4,180	4,427	4,472	4,402	4,650	4,541	4,533	4,311	4,525	4,617	4,472	4,489	4,643	89,474	truck	
forklift			779		762			757	810	742	670	608	583	640	603	551	560	567	587	585	665	632	581	605	12,287	forklift	
railway equipment									1		1	1	2	3	1								4		1	14	railway equipment
conveyor			117		76			74	66	82	76	61	71	63	78	83	65	47	64	62	64	70	65	56	1,340	conveyor	
loader			2		4			2	3	4	3	2	2	3	5	1	2	5	3	3	2	4	2	5	57	loader	
straddle carrier									3	1					2			1	1		3			2	13	straddle carrier	







harmful substance			13		10		9	8	9	16	8	6	8	6	2	3	4	5	4	5	3	13	6	138	harmful substance
radiation																									radiation
other hazards, harmful substances			10		6		10	12	6	19	7	8	7	8	13	11	6	9	11	4	10	17	9	183	other hazards, harmful substances
metal material			463		377		346	346	334	320	250	236	226	233	272	249	222	221	243	241	215	173	181	5,148	metal material
lumber, bamboo			249		238		219	229	240	194	182	186	202	179	186	183	161	150	159	150	152	160	134	3,553	lumber, bamboo
stone, sand, substance			39		26		22	19	22	19	12	11	10	13	14	25	14	7	14	18	14	14	10	323	stone, sand, substance
other materials			127		124		98	113	104	108	81	86	91	92	76	86	83	63	73	73	60	66	85	1,689	other materials
load			1,972		1,778		1,592	1,648	1,736	1,706	1,414	1,393	1,433	1,404	1,404	1,306	1,292	1,307	1,320	1,425	1,388	1,422	1,438	28,378	load
machine/equipment as load			114		98		87	119	110	123	97	101	82	81	91	75	71	74	69	64	68	68	69	1,661	machine/equipment as load
natural ground, rock			32		20		18	13	18	28	15	13	18	11	18	14	17	15	13	27	17	19	9	335	natural ground, rock
standing tree			5		7		4	4	8	4	8	8	10	5	5	2	5	1	8	2	5	6	9	106	standing tree
water			5		9		7	9	5	6	6	4	145	10	6	10	9	11	6	9	6	8	5	276	water
abnormal environment			2		3		1				2		2	7	4	2	1			1	5	2	2	34	abnormal environment
high/cold temperature environment			42		29		30	36	27	45	20	79	53	47	69	59	70	47	79	170	100	128	69	1,199	high/cold temperature environment
other environments			157		107		143	162	108	136	114	143	168	185	205	245	144	206	207	287	168	171	260	3,316	other environments
other causal agent			114		96		108	98	94	99	75	52	80	78	94	83	99	82	92	108	92	220	369	2,133	other causal agent
no causal agent			393		374		492	519	431	403	458	515	470	456	426	464	475	460	528	568	683	684	810	9,609	no causal agent
unclassifiable			27		29		22	27	36	35	23	10	24	35	25	26	18	14	23	17	16	11	13	431	unclassifiable
total			14,424		13,357		12,999	13,482	13,362	13,232	11,465	11,916	12,107	11,936	12,221	12,194	11,911	11,943	12,525	13,529	13,034	13,292	13,991	242,920	total

Workers age of fatal and non-fatal accidents in general truck transportation service in 1999-2021



February	1,109	1,145	1,241	1,007	1,059	1,127	1,018	1,134	1,061	1,143	953	974	887	1,053	971	1,169	932	913	1,037	1,144	1,041	1,088	1,167	24,373	February
March	1,202	1,276	1,389	1,137	1,216	1,288	1,259	1,255	1,251	1,236	1,068	1,128	1,151	1,099	1,078	1,160	1,036	1,043	1,107	1,173	1,115	1,140	1,267	27,074	March
April	1,102	1,168	1,193	1,059	1,117	1,095	1,080	1,075	1,120	1,119	985	962	989	969	976	919	994	1,034	996	1,031	1,115	1,064	1,124	24,286	April
May	991	1,070	1,100	1,082	1,075	960	937	1,057	1,087	1,093	815	840	885	895	925	889	881	919	935	968	1,045	958	1,052	22,459	May
June	1,140	1,163	1,207	1,099	1,105	1,194	1,110	1,108	1,155	1,040	949	980	1,054	973	942	960	1,021	963	1,027	1,105	1,000	1,213	1,132	24,640	June
July	1,229	1,189	1,214	1,240	1,205	1,199	1,195	1,166	1,118	1,264	1,078	1,082	1,104	997	1,141	1,139	1,129	1,074	1,080	1,274	1,273	1,164	1,186	26,740	July
August	1,131	1,218	1,141	1,034	1,026	1,156	1,029	1,103	1,169	1,102	886	984	1,015	1,012	1,023	966	1,002	946	1,017	1,099	1,156	1,104	1,229	24,548	August
September	1,226	1,269	1,201	1,034	1,134	1,077	1,066	1,070	1,113	1,080	902	977	1,016	961	1,037	936	1,011	999	997	1,187	1,092	1,093	1,153	24,631	September
October	1,128	1,146	1,203	1,143	1,177	1,178	1,095	1,161	1,159	1,085	991	1,017	981	978	1,101	1,022	973	1,048	1,143	1,163	1,100	1,243	1,087	25,322	October
November	1,065	1,214	1,131	1,123	1,093	1,127	1,002	1,120	1,067	979	921	951	966	993	974	955	975	964	1,028	1,054	1,034	1,035	1,069	23,840	November
December	1,155	1,147	1,181	1,213	1,105	1,066	1,253	1,089	1,141	1,036	975	1,067	1,058	1,024	1,054	1,073	969	1,040	1,106	1,123	1,106	1,188	1,297	25,466	December
total	13,514	14,048	14,424	13,252	13,357	13,533	12,999	13,482	13,362	13,232	11,465	11,916	12,107	11,936	12,221	12,194	11,911	11,943	12,525	13,529	13,034	13,292	13,991	297,267	total

Prefecture of fatal and non-fatal accidents in general truck transportation service in 1999-2021

Prefecture	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Prefecture
Hokkaido	898	968	958		856		847	935	793	722	701	705	712	716	786	772	681	682	761	770	710	753	790	16,516	Hokkaido
Aomori	120	114	143		112		98	77	131	113	101	95	103	118	110	103	105	105	105	122	110	120	138	2,343	Aomori
Iwate	151	131	167		121		129	140	122	115	83	98	135	122	138	149	141	119	126	136	128	91	121	2,663	Iwate
Miyagi	322	296	288		302		291	319	260	275	241	236	364	270	264	318	269	284	308	324	331	297	363	6,222	Miyagi
Akita	91	91	75		65		58	70	77	64	62	81	80	66	59	82	63	74	69	106	77	82	89	1,581	Akita
Yamagata	96	102	82		78		89	121	104	112	87	79	105	91	84	84	95	70	88	101	87	84	125	1,964	Yamagata
Fukushima	227	240	219		206		205	202	166	192	178	190	184	209	210	197	159	184	173	179	166	188	186	4,060	Fukushima
Ibaraki	337	373	366		335		347	375	348	350	278	331	386	310	348	326	323	315	330	338	303	325	370	7,114	Ibaraki
Tochigi	226	214	230		208		190	182	202	197	199	181	151	185	171	176	172	155	168	198	182	207	227	4,021	Tochigi
Gunma	259	288	297		281		288	289	290	267	233	250	255	228	225	249	231	266	246	268	266	280	297	5,553	Gunma
Saitama	650	667	802		779		816	878	903	855	820	814	828	848	831	863	931	903	902	990	1,012	1,020	1,085	18,197	Saitama
Chiba	506	578	683		530		580	589	596	654	580	589	591	578	611	621	602	599	606	652	636	755	734	12,870	Chiba



Fukuoka	730	676	727		743		611	665	635	622	544	612	579	565	558	598	547	601	603	642	631	674	690	13,253	Fukuoka
Saga	120	128	127		129		139	123	132	115	96	122	111	115	149	148	128	104	116	123	149	147	135	2,656	Saga
Nagasaki	125	116	111		143		124	95	109	104	98	98	116	96	92	110	94	100	71	109	124	129	111	2,275	Nagasaki
Kumamoto	190	222	194		187		180	231	190	209	167	158	165	148	179	154	142	162	159	189	175	169	143	3,713	Kumamoto
Oita	120	115	100		107		102	96	102	95	89	87	79	73	71	81	56	80	68	102	92	96	94	1,905	Oita
Miyazaki	118	98	120		96		130	96	120	104	103	89	81	98	87	118	102	95	103	123	125	114	133	2,253	Miyazaki
Kagoshima	193	205	194		182		219	201	207	188	153	168	172	162	178	183	171	165	154	182	175	183	189	3,824	Kagoshima
Okinawa	17	38	17		27		39	19	32	33	32	47	45	41	55	42	53	59	80	59	69	81	73	958	Okinawa
total	13,514	14,048	14,424		13,357		12,999	13,482	13,362	13,232	11,465	11,916	12,107	11,936	12,221	12,194	11,911	11,943	12,525	13,529	13,034	13,292	13,991	270,482	total

Fatal and non-fatal accidents mean fatal and non-fatal injuries and occupational diseases with work absence of 4 days and more. Data of 2011 year include fatal and non-fatal accidents caused by Great East Japan Earthquake in 2011.

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

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 Fatal accidents in general truck transportation service in Japan in 1999-2021

general truck transportation service industry Code No.040301

Type of fatal accidents in general truck transportation service in 1999-2021

Type of accidents	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Type of accidents
fall from height	15	22	18	10	17	20	19	13	14	11	13	11	16	7	9	17	17	5	15	11	16	16	12	324	fall from height
falling to same level	1	3	1	1	3	1		2	2		2	2	2	2	1	1		2		1	1		3	31	falling to same level
crash	1	2			2		3	3		1		1			1	1	1	1		1	1			19	crash
struck by flying or falling object	3	6	7	12	5	8	9	8	7	5	9	10	4	5	3	5	6	3	5	4	4	3	5	136	struck by flying or falling object
collapse	6	6	1	5	4	10	10	7	8	3	3	6	4	9	3	5	7	4	6	2	4	3	1	117	collapse

crashed by	7	3	3	4	4	4	2	11	6	6	3	4	3	8	5	12	2	2	4	3	5	6	5	112	crashed by
caught in/between	16	17	17	17	18	15	11	9	16	17	4	9	13	15	9	10	9	6	15	9	6	13	9	280	caught in/between
cut										1														1	cut
injury to the sole of the foot																									injury to the sole of the foot
drown	1				2	1	1	2			1		114	1			2				1			126	drown
contact to high/low-temperature							2				2			1		1			3	2		1		12	contact to high/low-temperature
contact to harmful substance				1							1	1	1			1					1			6	contact to harmful substance
electric shock							1																	1	electric shock
explosion						1					1													2	explosion
burst	1						2				1					1						1	1	7	burst
fire								1		1														2	fire
traffic accident (public road)	194	181	166	160	151	147	160	115	117	79	63	82	60	71	61	58	55	55	55	44	39	24	36	2,173	traffic accident (public road)
traffic accident (others)	1		1								1					1						1		5	traffic accident (others)
reaction to motion/improper motion																									reaction to motion/improper motion
others	1	2		2	2	4	3	5	6	7	7	9	33	6	11	8	9	12	18	8	12	5	16	186	others
unclassifiable				1					1	1	1		1	1	1		1	1	1					11	unclassifiable
total	247	242	214	213	208	211	223	176	177	132	108	138	251	126	105	120	110	91	119	87	91	73	89	3,551	total

Causal agents (large) of fatal accidents in general truck transportation service in 1999-2021

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
machine	4	6	4	4	5	2	1	1	1	2	2		1	2	1	1	3		4	1	1	1	1	48	machine
crane, conveying machine	225	216	193	189	187	180	192	149	147	110	80	108	88	93	83	99	77	68	79	65	64	51	57	2,800	crane, conveying machine
other equipment	1	3	6	6	1	4	3	5	5	2	4	2	1	8	1	3	4	2	8	3	4	4	5	85	other equipment
temporary buildings, establishments	5	6	4	2	5	5	6	3	3	4	2	2	3	2	1	2	2	1	3	3	2	3	2	71	temporary buildings, establishments
substance, material	1		4	3	1	3	2	4	4	1	6	7		4		1	3	1	1			3	2	51	substance, material
load	5	9	2	4	5	13	10	6	10	5	6	6	8	9	4	4	8	4	5	3	5	5	4	140	load
environment	3	2	1	1	2	1	4	3			1	3	138	2	2	1	4			3	3	1	3	178	environment

others	3			4	2	3	5	5	7	8	7	10	12	6	13	9	9	15	19	9	12	5	15	178	others
total	247	242	214	213	208	211	223	176	177	132	108	138	251	126	105	120	110	91	119	87	91	73	89	3,551	total

Causal agents (middle) of fatal accidents in general truck transportation service in 1999-2021

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	total	Causal (M) agents	
engine																										engine
power transmission mechanism																										power transmission mechanism
woodworking machine										1														1	1	woodworking machine
construction machine	3	5	4	2	5	2	1	1	1	1	2		1	2	1	1	2		4	1	1	1		41	construction machine	
metal manufacturing machine																										metal manufacturing machine
general machine	1	1		2													1						1	6	general machine	
mobile silviculture machine																										mobile silviculture machine
crane	3	3	3	7	3	5	6	6	5	7	2	4	3	1	2	4	3	3	3	2	3	3	3	84	crane	
conveying machine	215	200	174	171	176	166	178	133	136	94	75	99	81	89	79	92	67	62	71	55	57	47	51	2,568	conveying machine	
vehicle	7	13	16	11	8	9	8	10	6	9	3	5	4	3	2	3	7	3	5	8	4	1	3	148	vehicle	
pressure vessel															1		1							2	pressure vessel	
chemical facilities																										chemical facilities
welding equipment																										welding equipment
kiln, caldron																										kiln, caldron
electric equipment																										electric equipment
human power machine, tools		1	2	1			1	3	2		2	1		2		1	2		1	2	3	1	1	26	human power machine, tools	
tools	1	2	3	4		4	2	2	3	2	1	1	1	5		2	1	2	6	1		1	3	47	tools	
other equipments, facilities			1	1	1						1			1					1		1	2	1	10	other equipments, facilities	
temporary buildings, establishments	5	6	4	2	5	5	6	3	3	4	2	2	3	2	1	2	2	1	3	3	2	3	2	71	temporary buildings, establishments	
hazards, harmful substances						1		1															1		3	hazards, harmful substances
materials	1		4	3	1	2	2	3	4	1	6	7		4		1	3	1	1			2	2	48	materials	
load	5	9	2	4	5	13	10	6	10	5	6	6	8	9	4	4	8	4	5	3	5	5	4	140	load	



natural environment	3	2	1	1	2	1	4	3			1	3	138	2	2	1	4			3	3	1	3	178	natural environment
other causal agent	2			1	2	2	1		2		2		3		2	1					1	1	6	26	other causal agent
no causal agent				2		1	3	5	4	7	4	8	7	5	10	7	9	14	18	7	11	4	9	135	no causal agent
unclassifiable	1			1			1		1	1	1	2	2	1	1	1		1	1	2				17	unclassifiable
total	247	242	214	213	208	211	223	176	177	132	108	138	251	126	105	120	110	91	119	87	91	73	89	3,551	total

Causal agents (small) of fatal accidents in general truck transportation service in 1999-2021

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	
engine																										engine
power transmission mechanism																										power transmission mechanism
circular sawing machine										1															1	circular sawing machine
band sawing machine																										band sawing machine
wood planer machine																										wood planer machine
hollow chisel mortiser, wood borer																										hollow chisel mortiser, wood borer
chamfering machine, router, woodworking milling machine																										chamfering machine, router, woodworking milling machine
chain saw																										chain saw
other woodworking machines																										other woodworking machines
leveling, transporting or loading machine	1	2	2		4	1		1			1		1		1	1	1		3						19	leveling, transporting or loading machine
excavating machine		1	3	2	1	1		1			1	1									1				12	excavating machine
foundation work machine																										foundation work machine
hardening machine	1			1		1													1						4	hardening machine







other temporary buildings, establishments	1	2			1	1							1				1	1						1	9	other temporary buildings, establishments	
explosive substance																											explosive substance
inflammable substance																										1	inflammable substance
inflammable gas																											inflammable gas
harmful substance																									1	1	harmful substance
radiation																											radiation
other hazards, harmful substances																										1	other hazards, harmful substances
metal material	1		3	1		2		1	1		2	4		2			1	1								19	metal material
lumber, bamboo			1	2	1		1	1	3	1		2		1		1			1					2	2	19	lumber, bamboo
stone, sand, substance																											stone, sand, substance
other materials							1	1			4	1		1			2									10	other materials
load	2	8	1	4	3	12	9	6	9	5	4	4	8	9	4	4	5	4	5	3	5	4	3		121	load	
machine/equipment as load	3	1	1		2	1	1		1		2	2					3						1	1	19	machine/equipment as load	
natural ground, rock	1		1		1						1					1										5	natural ground, rock
standing tree																									1	1	standing tree
water	1					1	1	1					135	1			2						1			143	water
abnormal environment				1									1	1			1									4	abnormal environment
high/cold temperature environment								2					2	1		1		1				3	2	1	1	14	high/cold temperature environment
other environments	1	2			1		1	2				1	1		1										1	11	other environments
other causal agent	2			1	2	2	1		2		2		3		2	1						1	1	6	26	other causal agent	
no causal agent				2		1	3	5	4	7	4	8	7	5	10	7	9	14	18	7	11	4	9		135	no causal agent	
unclassifiable	1			1			1		1	1	1	2	2	1	1	1		1	1	2						17	unclassifiable
total	247	242	214	213	208	211	223	176	177	132	108	138	251	126	105	120	110	91	119	87	91	73	89		3,551	total	

Workers age of fatal accidents in general truck transportation service in 1999-2021

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
19 years old or less	3			1	1	3	2	1				1	2											14	19 years old or less
20-29	52	49	38	33	26	25	29	19	19	9	9	9	8	7	12	5	6	5	7	5		1	7	380	20-29
30-39	57	60	48	49	46	57	57	44	41	23	22	25	54	20	11	15	14	10	7	5	8	10	7	690	30-39
40-49	55	64	47	61	51	43	46	33	43	43	34	36	68	35	36	45	21	22	39	25	27	10	13	897	40-49
50-59	67	52	63	56	65	54	66	55	49	41	25	36	74	34	23	30	45	34	46	21	36	23	35	1,030	50-59
60 years old or more	13	17	18	13	19	29	23	24	25	16	18	31	45	30	23	25	24	20	20	31	20	29	27	540	60 years old or more
total	247	242	214	213	208	211	223	176	177	132	108	138	251	126	105	120	110	91	119	87	91	73	89	3,551	total

Workers' number of workplace of fatal accidents in general truck transportation service in 1999-2021

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	total	Workers scale
9 workers or less	37	31	37	34	31	32	41	36	37	19	15	22	44	27	13	14	20	19	20	19	18	14	18	598	9 workers or less
10-29	103	100	90	95	93	82	86	60	65	48	43	56	102	49	37	56	50	32	47	33	34	29	35	1,425	10-29
30-49	59	55	45	43	40	52	45	40	36	28	22	22	53	27	35	21	23	20	26	18	16	15	18	759	30-49
50-99	29	34	29	27	29	30	33	23	27	25	14	22	36	18	16	20	7	17	15	15	16	9	9	500	50-99
100-299	19	20	13	14	15	14	17	15	12	11	13	13	14	4	4	7	10	3	10	2	7	6	8	251	100-299
300 workers or more		2				1	1	2		1	1	3	2	1		2			1				1	18	300 workers or more
total	247	242	214	213	208	211	223	176	177	132	108	138	251	126	105	120	110	91	119	87	91	73	89	3,551	total

Month of fatal accidents in general truck transportation service in 1999-2021

Month	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Month
January	16	20	14	17	18	14	10	8	12	8	11	13	8	9	9	14	8	7	14	4	8	7	13	262	January
February	20	17	20	13	17	14	14	12	14	10	7	11	7	13	9	11	8	8	13	7	9	10	8	272	February
March	23	25	20	16	19	13	24	14	17	8	8	12	150	15	9	19	10	4	10	12	3	6	8	445	March

April	11	15	21	18	12	20	15	17	15	12	9	10	11	12	7	6	10	11	10	7	8	5	6	268	April
May	19	15	19	20	9	13	9	16	12	17	8	9	6	10	8	9	5	12	4	8	5	4	11	248	May
June	23	16	16	26	15	25	24	13	15	15	8	7	12	8	9	8	8	6	10	5	9	8	5	291	June
July	22	28	20	14	15	16	26	18	20	13	6	22	10	15	10	5	9	7	5	9	11	5	8	314	July
August	20	21	22	9	14	20	24	13	18	8	11	15	4	9	9	10	5	3	13	5	7	3	11	274	August
September	15	27	19	17	19	21	23	16	14	5	9	7	11	12	4	11	11	6	6	7	12	6	4	282	September
October	23	18	12	24	21	21	15	13	13	13	10	12	13	8	11	9	16	9	10	11	11	3	5	301	October
November	25	21	14	17	29	15	12	16	10	8	9	10	8	7	12	9	12	8	7	7	5	6	7	274	November
December	30	19	17	22	20	19	27	20	17	15	12	10	11	8	8	9	8	10	17	5	3	10	3	320	December
total	247	242	214	213	208	211	223	176	177	132	108	138	251	126	105	120	110	91	119	87	91	73	89	3,551	total

Prefecture of fatal accidents in general truck transportation service in 1999-2021

Prefecture	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Prefecture
Hokkaido	12	18	16	19	11	23	13	9	14	12	6	15	14	10	7	6	9	13	10	10	6	3	8	264	Hokkaido
Aomori	6	2	1	2	7	1	2		1	2	3	3	3	2	1		1	2	4	1	1	1		46	Aomori
Iwate	6	3	3	5		3	7	3	6	2		1	23		2	4	3	1	3	1	1		1	78	Iwate
Miyagi	6	10	8	1	7	7	9	2	7	2	3	6	108	1	1	5	4		2	4	2	2	2	199	Miyagi
Akita	2	1	2			1	2	2	2			1	2	1	1						1			18	Akita
Yamagata	1	4	2	4	4	3	3	1	2	2	2	1		1		4	1	1						36	Yamagata
Fukushima	4	6	5	8	2	3	1	6	7	7	4	3	11	2	4	6	2			1		4		86	Fukushima
Ibaraki	3	5	5	5	6	9	9	3	5	3	3	2	5	7	4	5	6	1	3	4	2	1	1	97	Ibaraki
Tochigi	6	4	6	2	10	4	11	3	5		1	2	2	4	2	4	1	2	4	3			6	82	Tochigi
Gunma	2	5	3	3	5	7	5	8	7	4	3	1	2	2		3		2	3	1	5	2	1	74	Gunma
Saitama	10	15	15	5	6	5	8	2	7	2	8	8	8	6	5	4	5	5	6	2	6		9	147	Saitama
Chiba	5	7	8	10	12	2	8	3	7	4	2	6	2	8	9	4	1	5	5	3	6	3	1	121	Chiba
Tokyo	8	3	7	6	7	9	7	10	7	6	1	5	3	8	2	8	3	3	5	5	4	5	4	126	Tokyo
Kanagawa	8	9	6	7	9	9	9	8	5	3	4	6	3	3	3	3	3	2	4	2	2	4	2	114	Kanagawa





Nagasaki	2		5		1	4	2	2	2	3		1	1	1	1		1	2	1	1	1			31	Nagasaki
Kumamoto	3	2	1	3	5	4	4	1	2	6	1	2	1	4	3				2	1	2			47	Kumamoto
Oita	2	1	2	5		3	2	2	1	1	1	1	1							1	2	2		27	Oita
Miyazaki	1	3	4	2	3		3	1	1			3		2			1	1	3	2		3	3	36	Miyazaki
Kagoshima	4	5		8	3	1	1	3	4	2	1	3	1	2		2	2	2	2		1	2	1	50	Kagoshima
Okinawa	1	1																						2	Okinawa
total	247	242	214	213	208	211	223	176	177	132	108	138	251	126	105	120	110	91	119	87	91	73	89	3,551	total

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