

Road Transport and Road Traffic Accident Statistics (Island of Mauritius)

Year 2019

1. Vehicles registered in 2019

At the end of December 2019, there were 580,629 vehicles registered at the National Land Transport Authority. This represents a net increase of 24,628 vehicles (4.4%) as compared to end of year 2018 when the number of registered vehicles was 556,001 (Table 1.1).

During the year 2019, the fleet was strengthened with the registration of 30,345 vehicles, of which 19,298 (63.6%) were new, 9,779 (32.2%) were imported second-hand and 1,268 (4.2%) were re-registered vehicles; i.e., those which had been previously put off the road. During the same period, some 5,717 vehicles were put off the road. The net addition to the existing fleet thus, worked out to 24,628 vehicles (Table 1.1).

2. Composition of fleet

A breakdown of the fleet by type of vehicle is given in Table 1.2. At the end of December 2019, the fleet consisted of 52.9% (307,081) cars, double cab pickup and dual-purpose vehicles and 37.3% (216,863) auto/motor cycles. The remaining 9.8% comprised vans (29,125), lorries and trucks (16,086), buses (3,087) and other vehicles (8,387). It is to be noted that, prior to year 2013, double cab pickup was included in dual purpose vehicles.

3. Vehicles used for transport of passengers

3.1 *Cars, double cap pickup and dual-purpose vehicles*

At the end of December 2019, the number of cars, double cab pickup and dual-purpose vehicles was 307,081, a rise of 6.0% over the figure of 289,676 as at end of December 2018. This increase resulted from the registration of 19,655 such vehicles (10,126 new, 8,959 imported second-hand and 570 re-registered), partly offset by 2,250 vehicles that were put off the road (Table 1.1).

Table 1.3 shows the age distribution of cars, double cab pickup and dual-purpose vehicles. At the end of December 2019, some 41.0% were less than 5 years, 30.5% between 5 and 9 years and the remaining 28.5%, 10 years and above.

3.2 *Buses*

At the end of December 2019, there were 3,087 registered buses, out of which 2,029 or 65.7% were 'public' buses operating with a road service licence. During 2019, some 51 new buses were registered while 50 buses were put off the road resulting in an increase of 1 bus.

Table 1.4, which gives the age distribution of the fleet of public buses, shows that 21.5% of the buses were under 5 years, 32.3% between 5 and 9 years and 46.2%, between 10 and 20 years.

4. Motor cycles and auto cycles

At the end of 2019, there were 216,863 motor cycles and auto cycles. This represents a net increase of 5,738 (+2.7%) against 211,125 at the end of 2018 (Table 1.1).

5. Road traffic accidents

Due to the low response rate on returns of accidents causing casualty from the Police Department, a number of statistics could not be computed. These include seriousness of injury to casualties, types of vehicles and class of road users involved in accidents and accidents involving 'hit and run' cases among others.

The number of road traffic accidents registered during the year 2019 was 29,644 against 29,075 in the preceding year, showing an increase of 2.0%. Among these accidents, in the majority, 26,905 (90.8%) there were no injury, 130 were fatal and 2,609 caused serious/slight injuries (Table 2.1).

Compared to 2018, accidents causing casualties as well as those with no injury went up by 2.0% while fatal accidents decreased by 1.5% in 2019.

In 2019 the accident rate, expressed as the number of accidents per 100,000 mid-year population was 2,379, same as in 2018. The number of accidents per 1,000 mid-year registered motor vehicles decreased to 51 in 2019 from 54 in 2018.

6. Vehicles involved in road accidents

During the year 2019, the total number of vehicles (both motor and non-motor) involved in road accidents was 58,267 (+2.0%) against 57,104 in the previous year.

7. Casualties

The number of casualties (fatalities and persons injured as a result of road traffic accidents) decreased by 6.3% from 3,718 in 2018 to 3,484 in 2019. Among the casualties, 144 were fatal compared to 143 in 2018.

Compared to 2018, the number of persons who died as a result of road accidents in 2019 went up by 0.7%. The fatality rate, expressed as the number of persons who died as a result of road accidents per 100,000 mid-year population, works out to 11.8, compared to

11.7 in 2018. Out of the 144 persons killed in road accidents during year 2019, the most vulnerable category of road users were riders/pillion riders of auto/motor cycles (55), followed by pedestrians (35), (Table 2.6).

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Explanatory Notes

A. Vehicle Statistics

1. Data refer to all vehicles registered at the National Land Transport Authority. Pedal cycles are therefore excluded. The classification of vehicles used in this report, follows the definition given in Section 4 of the Road Traffic Act of 1962 and subsequent amended Act No. 27 of 2012.

2. **Vehicles include:**

- (a) **motor vehicles**, that is, power-driven vehicles normally used for carrying persons or goods by road or for drawing vehicles used for carrying persons or goods. Examples are car, dual purpose vehicle, heavy motor car, motor cycle, lorry, van, bus, and tractor;
- (b) **non-motorised vehicles**, for example trailer.

3. **Definition of some types of vehicles according to the Road Traffic Act 1962.**

(a) **Motor cycle**

A motor cycle is a mechanically propelled vehicle, other than an auticycle or a vehicle classified as an invalid carriage, with not more than four wheels and whose unladen weight does not exceed 400 kilograms.

(b) **Auto cycle**

An auticycle is a two wheeled motor vehicle, with or without pedals, whose engine capacity does not exceed 50 cubic centimetres.

(c) **Heavy motor car**

A heavy motor car is a vehicle of the bus type designed to carry passengers but not for hire or reward.

(d) **Dual-purpose vehicle**

A dual-purpose vehicle is essentially a car but it is so designed to be capable of carrying a certain load of goods.

(e) **Double cab pickup**

Double cab pickup means a motor vehicle which has –

- (i) a front passenger cabin which contain 2 rows of seats and is capable of seating a maximum of 4 persons excluding the driver,
- (ii) at least 2 doors capable of being opened separately; and
- (iii) an open pickup area behind the passenger cabin.

B. Road Traffic Accidents

1. In this report, data on accidents refer to all road accidents reported to police stations and to insurance companies.

2. Road Traffic Accident

A road traffic accident is an accident between two or more vehicles, a vehicle and a cyclist, a vehicle and a pedestrian, a vehicle and a fixed object such as a bridge, building, tree, post, etc, or a single vehicle that overturned on or near a public road.

3. Severity of accident

Road traffic accidents are classified into the following categories according to the severity of the accident:

Fatal accident - an accident resulting in the death of one or more persons. Prior to 2002, a fatal accident was defined as an accident where deaths occurred within 7 days. As from 2002, a fatal accident is defined as an accident where deaths occurred within 30 days.

Serious injury accident - An accident in which one or more persons are seriously injured.

Slight injury accident - An accident in which one or more persons are slightly injured.

Non-injury accident - An accident in which no one is killed or injured but which results in damage to the vehicle/s and/or other property only.

4. Casualty

Any person killed or injured in a road accident is referred to as a casualty.

Fatality - Any person killed during an accident, or within 30 days as a result of an accident is referred to as a fatality.

5. Injury definition

(i) As from January 2013:

(a) Serious Injury - An injury for which a person is admitted to hospital as an "in-patient" for more than 24 hours.

(b) Slight Injury - An injury for which a person has received medical care but has not been admitted to hospital for more than 24 hours.

(ii) Prior to January 2013:

(a) Serious Injury - An injury for which a person is detained in hospital as an "in-patient" or any of the following injuries (whether or not he is detained in hospital): fractures, concussions, internal injuries, severe cuts and lacerations, crushing and severe general shock requiring medical treatment.

(b) Slight Injury - An injury of minor character such as a sprain, bruise and cut not judged to be severe.

Table 1.1 - Vehicles¹ registered in 2019

Type of vehicle	No. of vehicles at 31.12.18	New vehicles	Imported second-hand vehicles	Re - registered vehicles ²	Vehicles off the road ³	No. of vehicles at 31.12.19	Net change 2019
Car	235,598	8,604	8,910	503	1,642	251,973	16,375
Dual purpose vehicle	48,200	56	9	11	251	48,025	- 175
Double cab pickup ⁴	5,878	1,466	40	56	357	7,083	1,205
Heavy motor car	1,367	23	10	3	33	1,370	3
Motor cycle	93,636	6,190	13	504	1,232	99,111	5,475
Auto cycle	117,489	1,604	0	1	1,342	117,752	263
Lorry and truck	15,505	527	203	69	218	16,086	581
Van	28,506	575	438	85	479	29,125	619
Bus	3,086	51	0	0	50	3,087	1
Tractor and dumper	3,351	80	20	6	30	3,427	76
Prime mover	947	49	83	7	31	1,055	108
Trailer	1,999	53	52	23	42	2,085	86
Road roller	110	0	0	0	0	110	0
Other	329	20	1	0	10	340	11
Total	556,001	19,298	9,779	1,268	5,717	580,629	24,628

¹ Excluding pedal cycles, but including government vehicles.

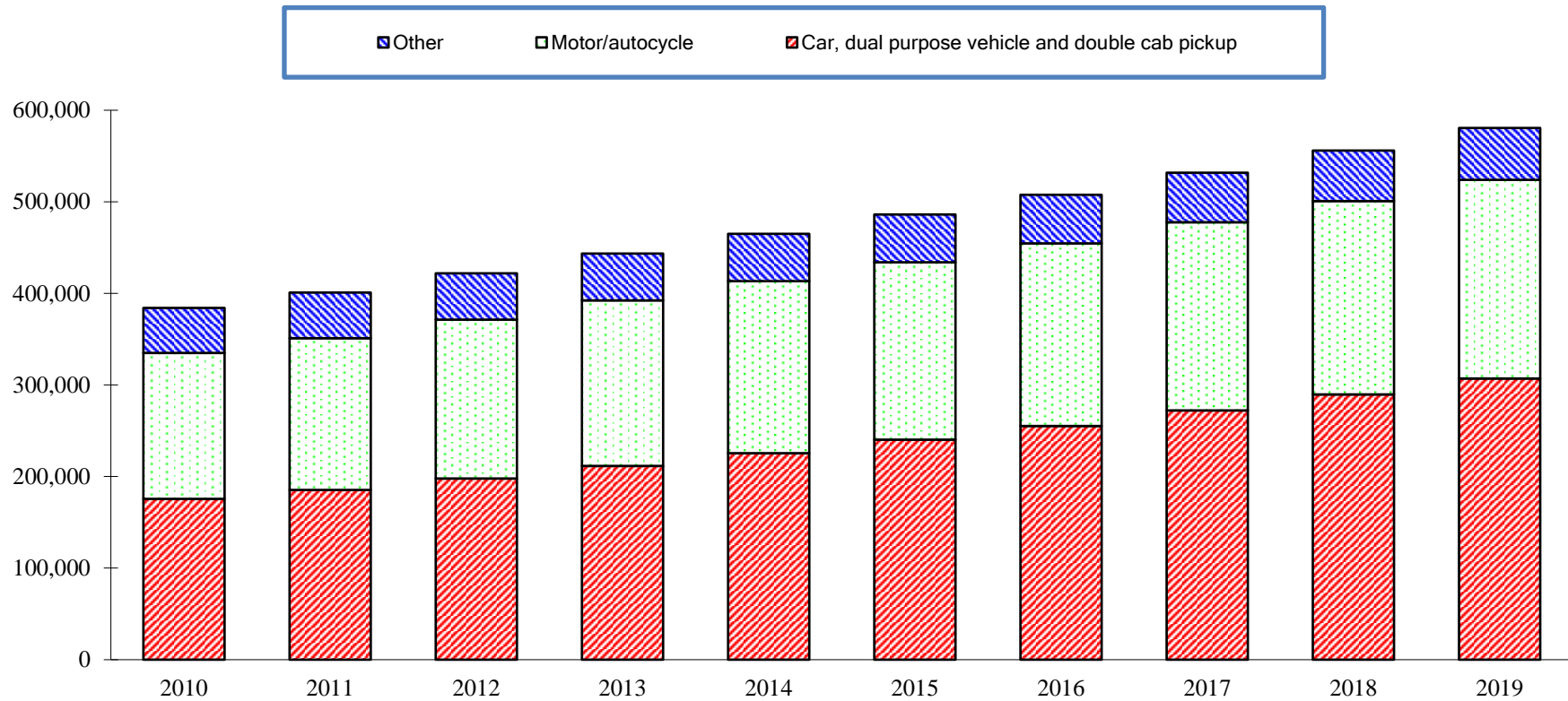
² Refers to re-registration of vehicles previously off the road.

³ Unlicensed either temporarily or permanently.

⁴ New category of vehicle defined in Road Traffic Act as amended by Act No. 27 of 2012.

Note: Prior to the year 2013 'Double cab pickup' was included in 'Dual purpose vehicle'

Fig. 1.1 - Stock of registered vehicles, 2010 - 2019



Type of vehicle	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Car, dual purpose vehicle and double cab pickup ¹	175,634	185,357	197,849	211,586	225,522	240,289	255,199	272,213	289,676	307,081
Motor cycle and autocycle	159,329	165,706	173,508	180,785	187,851	193,688	199,399	205,493	211,125	216,863
Other	49,152	49,856	50,569	51,124	51,679	52,167	53,078	54,091	55,200	56,685
Total	384,115	400,919	421,926	443,495	465,052	486,144	507,676	531,797	556,001	580,629

¹ New category of vehicle defined in Road Traffic Act as amended by Act No. 27 of 2012.

Note: Prior to the year 2013 'Double cab pickup' was included in 'Dual purpose vehicle'

Table 1.2 - Vehicles¹ registered , 2010 - 2019

Type of vehicle	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Car	127,363	136,225	147,733	160,701	173,954	188,299	202,696	218,976	235,598	251,973
<i>(of which taxi car)</i>	<i>6,924</i>	<i>6,907</i>	<i>6,905</i>	<i>6,915</i>	<i>6,911</i>	<i>6,907</i>	<i>6,905</i>	<i>6,909</i>	<i>6,907</i>	<i>6,905</i>
Dual purpose vehicle	48,271	49,132	50,116	49,730	49,503	49,301	48,961	48,603	48,200	48,025
Double cab pickup ²	-	-	-	1,155	2,065	2,689	3,542	4,634	5,878	7,083
Heavy motor car	1,249	1,230	1,244	1,250	1,271	1,284	1,316	1,345	1,367	1,369
Motor cycle	48,655	53,410	59,637	65,827	72,067	77,603	82,746	88,360	93,636	99,111
Auto cycle	110,674	112,296	113,871	114,958	115,784	116,085	116,653	117,133	117,489	117,752
Lorry and truck	13,186	13,539	13,902	14,061	14,243	14,372	14,645	15,024	15,505	16,086
Van	25,914	26,090	26,293	26,624	26,890	27,229	27,656	28,121	28,506	29,125
Bus	2,845	2,912	2,957	2,963	3,006	2,980	3,107	3,101	3,086	3,088
Tractor and dumper	3,119	3,173	3,202	3,226	3,254	3,244	3,251	3,277	3,351	3,427
Prime mover	596	650	689	715	734	774	817	873	947	1,055
Trailer	1,821	1,834	1,845	1,846	1,842	1,850	1,853	1,913	1,999	2,085
Road roller	98	99	101	102	103	103	105	109	110	110
Other	324	329	336	337	336	331	328	328	329	340
TOTAL	384,115	400,919	421,926	443,495	465,052	486,144	507,676	531,797	556,001	580,629

¹ Excluding pedal cycles, but including government vehicles.

² New category of vehicle defined in Road Traffic Act as amended by Act No. 27 of 2012.

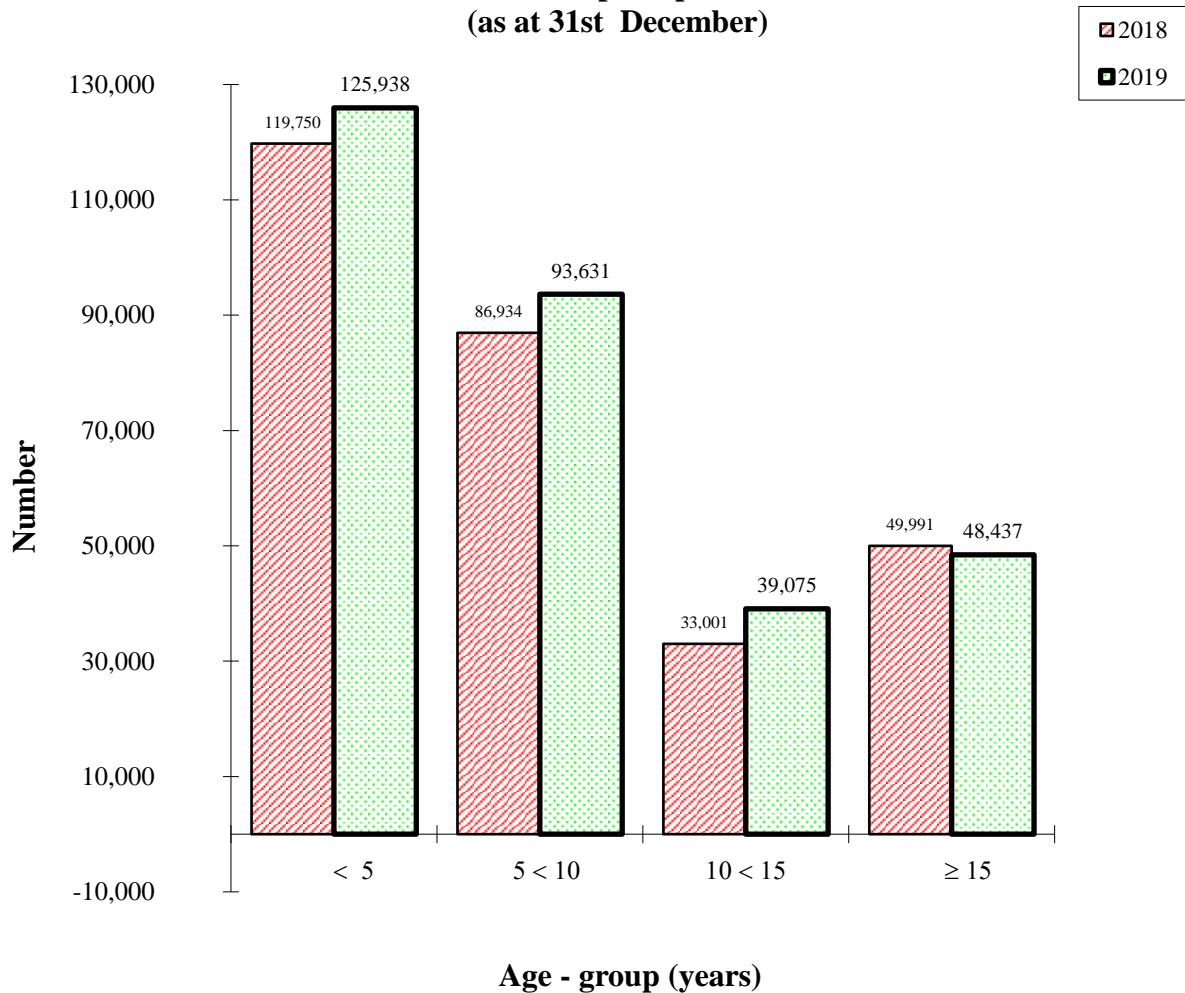
Note: Prior to the year 2013 'Double cab pickup' was included in 'Dual purpose vehicle'

Table 1.3 - Age composition of cars, dual purpose vehicles and double cab pickup ¹, 2018 - 2019

(as at 31st December)

Age group (Years)	2018		2019	
	Number	%	Number	%
< 5	119,750	41.3	125,938	41.0
5 < 10	86,934	30.0	93,631	30.5
10 < 15	33,001	11.4	39,075	12.7
≥ 15	49,991	17.3	48,437	15.8
TOTAL	289,676	100.0	307,081	100.0

Fig. 1.2 - Age composition of cars, dual purpose vehicles and double cab pickup (as at 31st December)



¹ New category of vehicle defined in Road Traffic Act as amended by Act No. 27 of 2012.

Note: Prior to the year 2013 'Double cab pickup' was included in 'Dual purpose vehicle'

Table 1.4 - Age composition of operational bus fleet ¹, 2018 - 2019

(as at 31st December)

Age group (Years)	2018		2019	
	Number	%	Number	%
< 5	537	26.4	436	21.5
5 < 10	631	31.0	656	32.3
10 < 15	634	31.1	679	33.5
15 < 20	233	11.5	258	12.7
TOTAL	2,035	100.0	2,029	100.0

¹ Refers only to buses with a Road Service License, i.e, buses which operate on proclaimed routes and charge individual fares

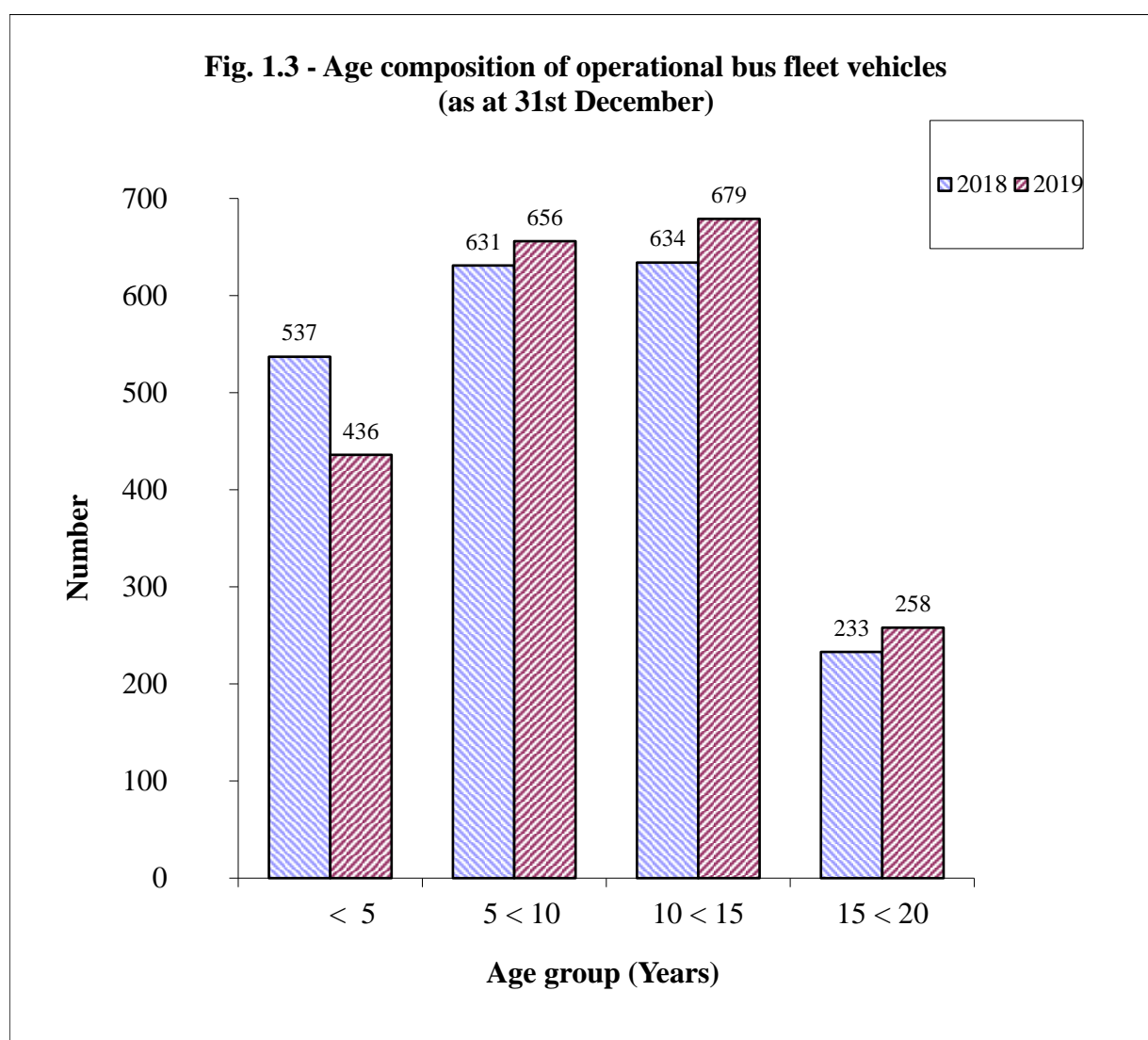


Table 2.1 - Road traffic accidents¹, 2018 - 2019

	2018	2019 ³	Change	
			Number	%
1. Road traffic accidents	29,075	29,644	+ 569	+ 2.0
Number of accidents causing casualties	2,686	2,739	+ 53	+ 2.0
<i>Fatal accident</i> ²	132	130	- 2	- 1.5
<i>Serious injury accident</i>	487	<i>n.a</i>	<i>n.a</i>	<i>n.a</i>
<i>Slight injury accident</i>	2,067	<i>n.a</i>	<i>n.a</i>	<i>n.a</i>
Non injury accident	26,389	26,905	+ 516	+ 2.0
Rate per 100,000 population	2,379	2,379	0	0
Rate per 1,000 registered motor vehicles	54	51	- 3	-5.6
2. Vehicles involved in road accidents	57,104	58,267	+ 1,163	+ 2.0
of which				
<i>Motor Vehicles</i>	56,962	58,128	+ 1,166	+ 2.0
Rate per 1,000 registered motor vehicles	105	102	- 3	- 2.9
Number of motor vehicles involved in accidents causing casualties	4,183	<i>n.a</i>	<i>n.a</i>	<i>n.a</i>
3. Casualties	3,718	3,484	-234	- 6.3
<i>Fatal</i> ²	143	144	+ 1	+ 0.7
<i>Seriously injured</i>	597	<i>n.a</i>	<i>n.a</i>	<i>n.a</i>
<i>Slightly injured</i>	2,978	<i>n.a</i>	<i>n.a</i>	<i>n.a</i>

¹ Exclude accidents involving bicycles only or bicycle and pedestrian² Based on definition of fatal accidents where death occurred within 30 days.³ Provisional

n.a: not available

Napp : Not applicable

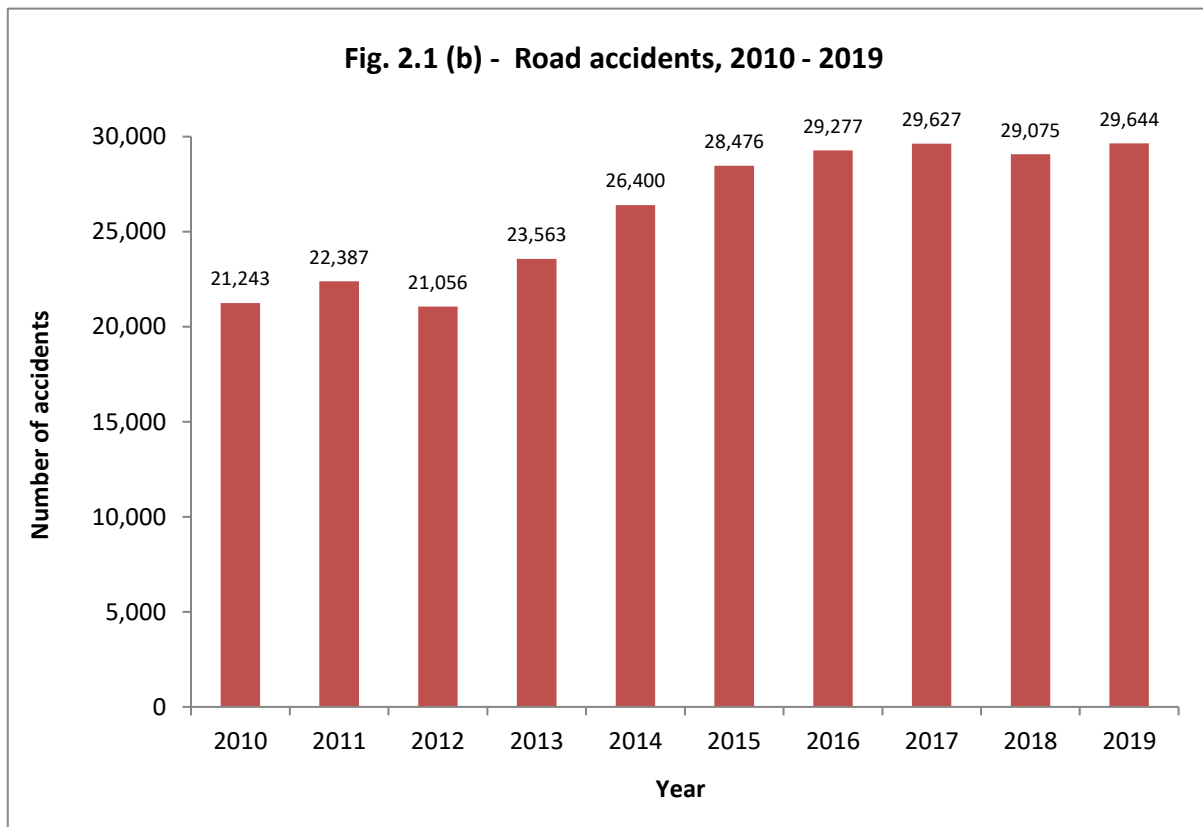
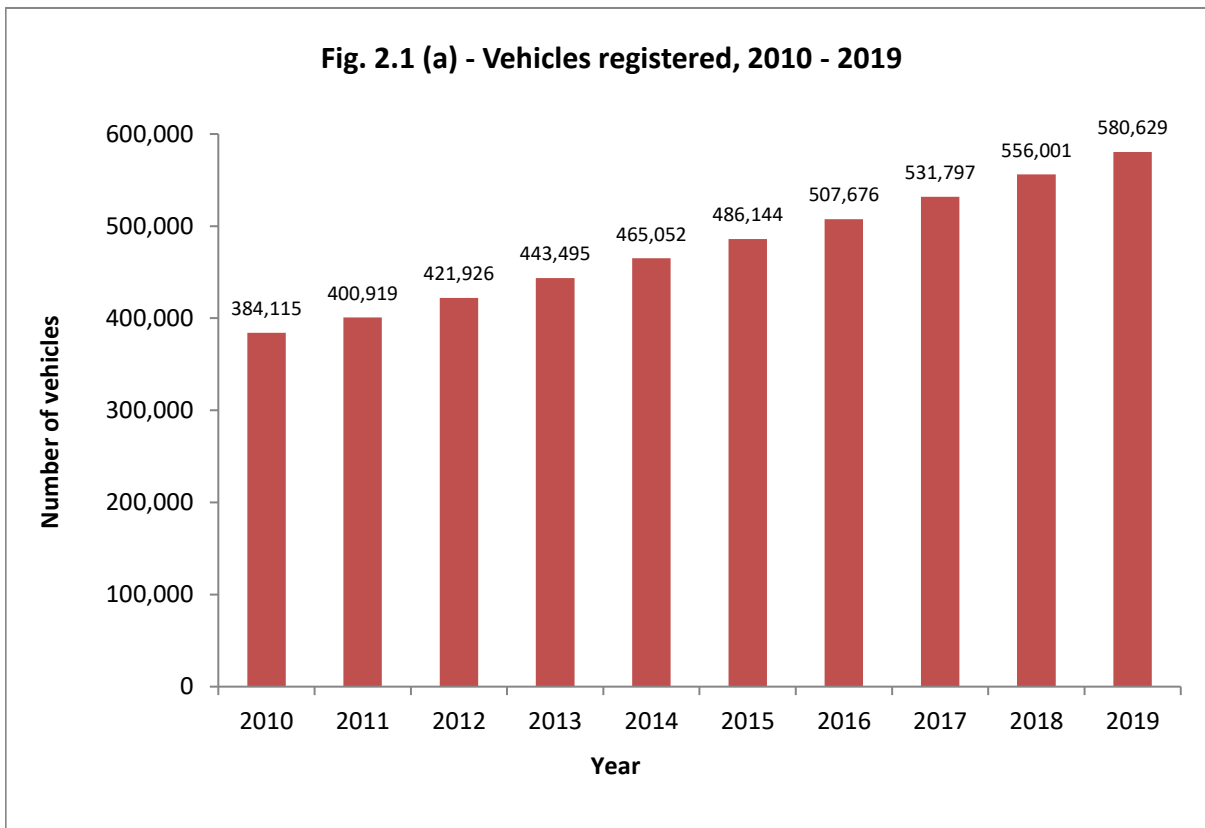


Table 2.2 - Road traffic accidents¹ and casualties, 2010 - 2019

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 ³
1. Road traffic accidents :										
Number	21,243	22,387	21,056	23,563	26,400	28,476	29,277	29,627	29,075	29,644
Rate per 100,000 population	1,755	1,847	1,733	1,936	2,165	2,333	2,397	2,425	2,379	2,379
Rate per 1,000 registered motor vehicles	57	57	51	55	58	60	59	57	54	51
2. Motor vehicle involved :										
Number	41,084	41,294	40,759	41,888	51,264	55,617	57,335	58,178	56,962	58,128
Rate per 1,000 registered motor vehicles	110	105	99	97	113	117	116	112	105	102
3. Casualties :										
Total number of casualties of which	3,640	3,422	3,653	3,610	3,592	3,722	3,862	4,209	3,718	3,484
<i>Fatal</i>	158	152	156	136	137	139	144	157	143	144
<i>Seriously injured</i>	569	487	549	465	505	530	512	560	597	n.a
<i>Slightly injured</i>	2,913	2,783	2,948	3,009	2,950	3,053	3,206	3,492	2,978	n.a
4. Fatality :										
Rate per 100,000 population	13.1	12.5	12.8	11.2	11.2	11.4	11.8	12.8	11.7	11.8
Rate per 1,000 registered motor vehicles	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Fatality index ²	4.3	4.4	4.3	3.8	3.8	3.7	3.7	3.7	3.8	3.9

¹ Exclude accidents involving bicycles only or bicycle and pedestrian.

² Fatality index is the number of fatalities per 100 casualties.

³ Provisional

n.a: not available

Table 2.3 -Number of vehicles ¹ involved in accidents (causing casualties) by type, 2018 - 2019

Type of vehicle	2018					2019			
	Casualties					Casualties			
	Fatal	Serious	Slight	Total	%	Fatal	Serious	Slight	Total
Private car	57	160	1,323	1,540	35.6	52	n.a	n.a	n.a
Taxi car	2	5	38	45	1.0	2	n.a	n.a	n.a
Bus	8	29	236	273	6.3	10	n.a	n.a	n.a
Lorry	9	10	79	98	2.3	18	n.a	n.a	n.a
Van	25	32	261	318	7.4	28	n.a	n.a	n.a
Motor / auto cycle	77	170	1,405	1,652	38.2	62	n.a	n.a	n.a
Other motor vehicles	13	26	218	257	5.9	10	n.a	n.a	n.a
Total motor vehicles	191	432	3,560	4,183	96.7	182	n.a	n.a	6,375
Pedal cycle	5	15	122	142	3.3	7	n.a	n.a	242
All vehicles	196	447	3,682	4,325	100.0	189	n.a	n.a	6,617

¹ Only three main vehicles have been considered in accidents involving more than three vehicles

n.a: not available

Table 2.4 - Number of casualties by class of road users, 2018 - 2019

Class of road users	2018				2019		
	Jan. - Jun.	Jul. - Dec.	Total	%	Jan. - Jun.	Jul. - Dec.	Total
Pedestrian	257	314	571	15.3	n.a	n.a	n.a
Passenger	465	499	964	25.9	n.a	n.a	n.a
Driver	296	279	575	15.5	n.a	n.a	n.a
Rider (auto/motor cycle)	719	742	1,461	39.3	n.a	n.a	n.a
Pedal cyclist	61	86	147	4.0	n.a	n.a	n.a
Total	1,798	1,920	3,718	100.0	1,844	1,640	3,484

n.a: not available

Table 2.5 - Number of accidents (causing casualties) involved in "hit and run" cases, 2018- 2019.

Year Accident	2018				2019		
	Jan. - Jun.	Jul. - Dec.	Total	%	Jan. - Jun.	Jul. - Dec.	Total
Vehicles v/s pedestrian	32	24	56	36.8	27	n.a	n.a
Vehicles v/s vehicles	65	31	96	63.2	15	n.a	n.a
Total	97	55	152	100.0	42	n.a	n.a

n.a: not available

Table 2.6 - Number of fatalities by category of road users and age-group, 2019

Category of road users Age - group (years)	Cyclists	Drivers of four wheeled vehicles	Passengers of four wheeled vehicles	Pedestrians	Riders / pillion riders of auto/motor cycles	Total
Under 5	0	0	0	0	0	0
5 - 14	1	0	2	1	1	5
15 - 29	1	9	13	1	23	47
30 - 44	0	7	3	3	15	28
45 - 59	4	9	1	12	12	38
60 - 69	0	0	1	11	2	14
Over 69	2	0	1	7	2	12
All ages	8	25	21	35	55	144