

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

Year 2017

1. Vehicles registered in 2017

At the end of December 2017, there were 531,797 vehicles registered at the National Transport Authority. This represents a net increase of 24,121 vehicles (4.8%) as compared to end of year 2016 when the number of registered vehicles was 507,676 (Table 1.1).

During the year 2017, the fleet was strengthened with the registration of 29,386 vehicles, of which 19,109 (65.0%) were new, 8,584 (29.2%) were imported second-hand and 1,693 (5.8%) were re-registered vehicles; i.e., those which had been previously put off the road. During the same period, some 5,265 vehicles were put off the road. The net addition to the existing fleet worked out to 24,121 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 2017, the fleet consisted of 51.2% (272,213) cars, double cab pickup and dual purpose vehicles and 38.6% (205,493) auto/motor cycles. The remaining 10.2% comprised vans (28,121), lorries and trucks (15,024), buses (3,101) and other vehicles (7,845).

3. Vehicles used for transport of passengers

3.1 *Cars, double cab pickup and dual purpose vehicles*

At the end of December 2017, the number of cars, double cab pickup and dual purpose vehicles was 272,213, a rise of 6.7% over the figure of 255,199 as at end of December 2016. This increase resulted from the registration of 18,979 such vehicles (10,162 new, 7,904 imported second-hand and 913 re-registered), partly offset by 1,965 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 2017, some 41.8% were less than 5 years, 29.3% between 5 and 9 years and the remaining 28.9%, 10 years and above.

3.2 *Buses*

At the end of December 2017, there were 3,101 registered buses, out of which 2,034 or 65.6% were 'public' buses operating with a road service licence. During 2017, some 79 new buses were registered while 85 buses were put off the road resulting in a decrease of 6 buses.

Table 1.4, which gives the age distribution of the fleet of public buses, shows that 28.4% of the buses were under 5 years, 30.6% between 5 and 9 years and 41.0%, between 10 and 20 years.

4. Motor cycles and auto cycles

At the end of 2017, there were 205,493 motor cycles and auto cycles. This represents a net increase of 6,094 (+3.1%) against 199,399 at the end of 2016 (Table 1.1).

5. Road traffic accidents

The number of road traffic accidents registered during the year 2017 was 29,627 against 29,277 in the preceding year, showing an increase of 1.2%. Among these accidents, the majority, 26,586 (89.7%) were non-injury, 152 fatal, 461 caused serious injuries and 2,428 slight injuries (Table 2.1).

Compared to 2016, accidents causing casualties went up by 9.0% and non-injury accidents by 0.4%. Fatal accidents rose by 15.2%, serious injury accidents by 9.0% and slight injury accidents by 8.7% respectively.

The accident rate, expressed as the number of accidents per 100,000 mid-year population, increased from 2,397 in 2016 to 2,425 in 2017 and the number of accidents per 1,000 mid-year registered motor vehicles decreased from 59 in 2016 to 57 in 2017.

6. Vehicles involved in road accidents

During the year 2017, the total number of vehicles (both motor and non-motor) involved in road accidents was 58,295 (+1.4%) against 57,496 in the previous year. The number of motor vehicles involved in accidents, resulting in casualties was 4,953 in 2017 against 4,359 in 2016. Table 2.3 shows that 33.4% of the vehicles were private cars, 39.4% were motor/auto cycles, 6.5% were buses and 5.6% were vans.

7. Casualties

The number of casualties (fatalities and persons injured as a result of road traffic accidents) increased by 8.7% from 3,862 in 2016 to 4,199 in 2017. Among the casualties, 157 were fatal, 558 seriously injured and the remaining 3,484 slightly injured.

Table 2.4 reveals that, among the casualties in 2017, some 40.2% were riders of auto/motor cycles, 24.0% passengers, 16.3% pedestrians, 15.3% drivers and 4.2% pedal cyclists.

Compared to 2016, the number of persons who died as a result of road accidents in 2017 went up by 9.0%. The fatality rate, expressed as the number of persons who died as a result of road accidents per 100,000 mid-year population, was 12.8, compared to 11.8 in 2016. Out of the 157 persons killed in road accidents during year 2017, the most vulnerable category of road users were riders/pillion riders of motorised two-wheelers (61), followed by pedestrians (47), (Table 2.6).

8. Hit and run cases of accidents causing casualties

In 2017, there were 156 "hit and run" cases causing casualties compared to 145 in 2016. Out of these 156 cases, 57.1% (89) involved vehicles only while the other 42.9% (67) involved both vehicles and pedestrians (Table 2.5).

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Explanatory Notes

A. Vehicle Statistics

1. Data refer to all vehicles registered at the National 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 2017

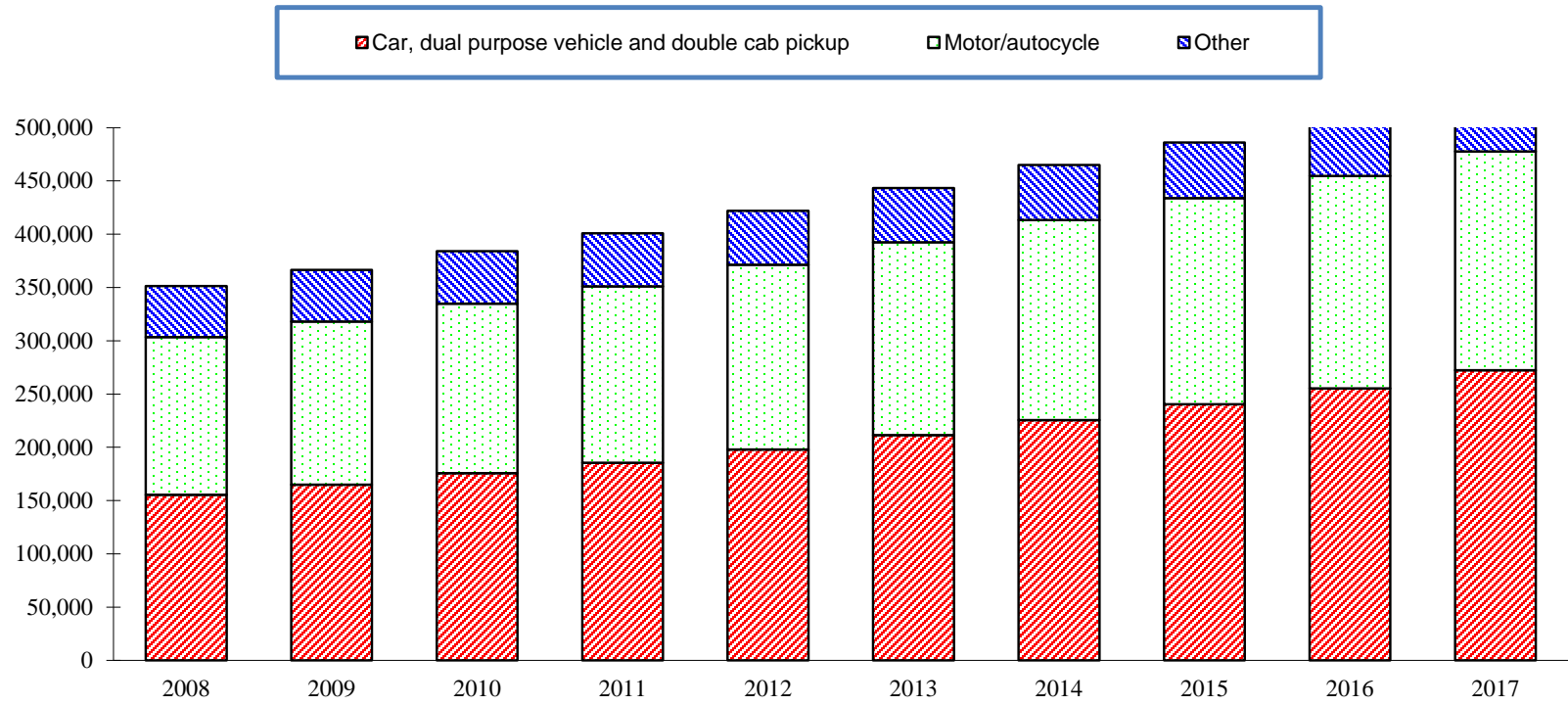
Type of vehicle	No. of vehicles at 31.12.16	New vehicles	Imported second-hand vehicles	Re - registered vehicles ²	Vehicles off the road ³	No. of vehicles at 31.12.17	Net change 2017
Car	202,696	8,882	7,881	756	1,239	218,976	16,280
Dual purpose vehicle	48,961	1	6	9	374	48,603	- 358
Double cab pickup ⁴	3,542	1,279	17	148	352	4,634	1,092
Motor cycle	82,746	5,986	23	489	884	88,360	5,614
Auto cycle	116,653	1,832	3	1	1,356	117,133	480
Lorry and truck	14,645	350	149	110	230	15,024	379
Van	27,656	534	401	114	584	28,121	465
Bus	3,107	79	-	-	85	3,101	- 6
Other	7,670	166	104	66	161	7,845	175
Total	507,676	19,109	8,584	1,693	5,265	531,797	24,121

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.

Fig. 1.1 - Stock of registered vehicles, 2008 - 2017



Type of vehicle	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Car, dual purpose vehicle and double cab pickup ¹	155,528	165,036	175,634	185,357	197,849	211,586	225,522	240,289	255,199	272,213
Motor cycle and autocycle	147,988	152,935	159,329	165,706	173,508	180,785	187,851	193,688	199,399	205,493
Other	47,890	48,549	49,152	49,856	50,569	51,124	51,679	52,167	53,078	54,091
Total	351,406	366,520	384,115	400,919	421,926	443,495	465,052	486,144	507,676	531,797

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 , 2008 - 2017

Type of vehicle	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Car	109,507	117,890	127,363	136,225	147,733	160,701	173,954	188,299	202,696	218,976
<i>(of which taxi car)</i>	<i>(6,941)</i>	<i>(6,921)</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>
Dual purpose vehicle	46,021	47,146	48,271	49,132	50,116	49,730	49,503	49,301	48,961	48,603
Double cab pickup ²	-	-	-	-	-	1,155	2,065	2,689	3,542	4,634
Heavy motor car	1,290	1,275	1,249	1,230	1,244	1,250	1,271	1,284	1,316	1,345
Motor cycle	40,804	44,222	48,655	53,410	59,637	65,827	72,067	77,603	82,746	88,360
Auto cycle	107,184	108,713	110,674	112,296	113,871	114,958	115,784	116,085	116,653	117,133
Lorry and truck	12,726	12,950	13,186	13,539	13,902	14,061	14,243	14,372	14,645	15,024
Van	25,334	25,622	25,914	26,090	26,293	26,624	26,890	27,229	27,656	28,121
Bus	2,762	2,803	2,845	2,912	2,957	2,963	3,006	2,980	3,107	3,101
Tractor and dumper	3,045	3,102	3,119	3,173	3,202	3,226	3,254	3,244	3,251	3,277
Prime mover	505	558	596	650	689	715	734	774	817	873
Trailer	1,809	1,823	1,821	1,834	1,845	1,846	1,842	1,850	1,853	1,913
Road roller	96	97	98	99	101	102	103	103	105	109
Other	323	319	324	329	336	337	336	331	328	328
TOTAL	351,406	366,520	384,115	400,919	421,926	443,495	465,052	486,144	507,676	531,797

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, 2016 - 2017

(as at 31st December)

Age group (Years)	2016		2017	
	Number	%	Number	%
< 5	107,691	42.2	113,843	41.8
5 < 10	71,830	28.1	79,650	29.3
10 < 15	30,315	11.9	30,916	11.3
≥ 15	45,363	17.8	47,804	17.6
TOTAL	255,199	100.0	272,213	100.0

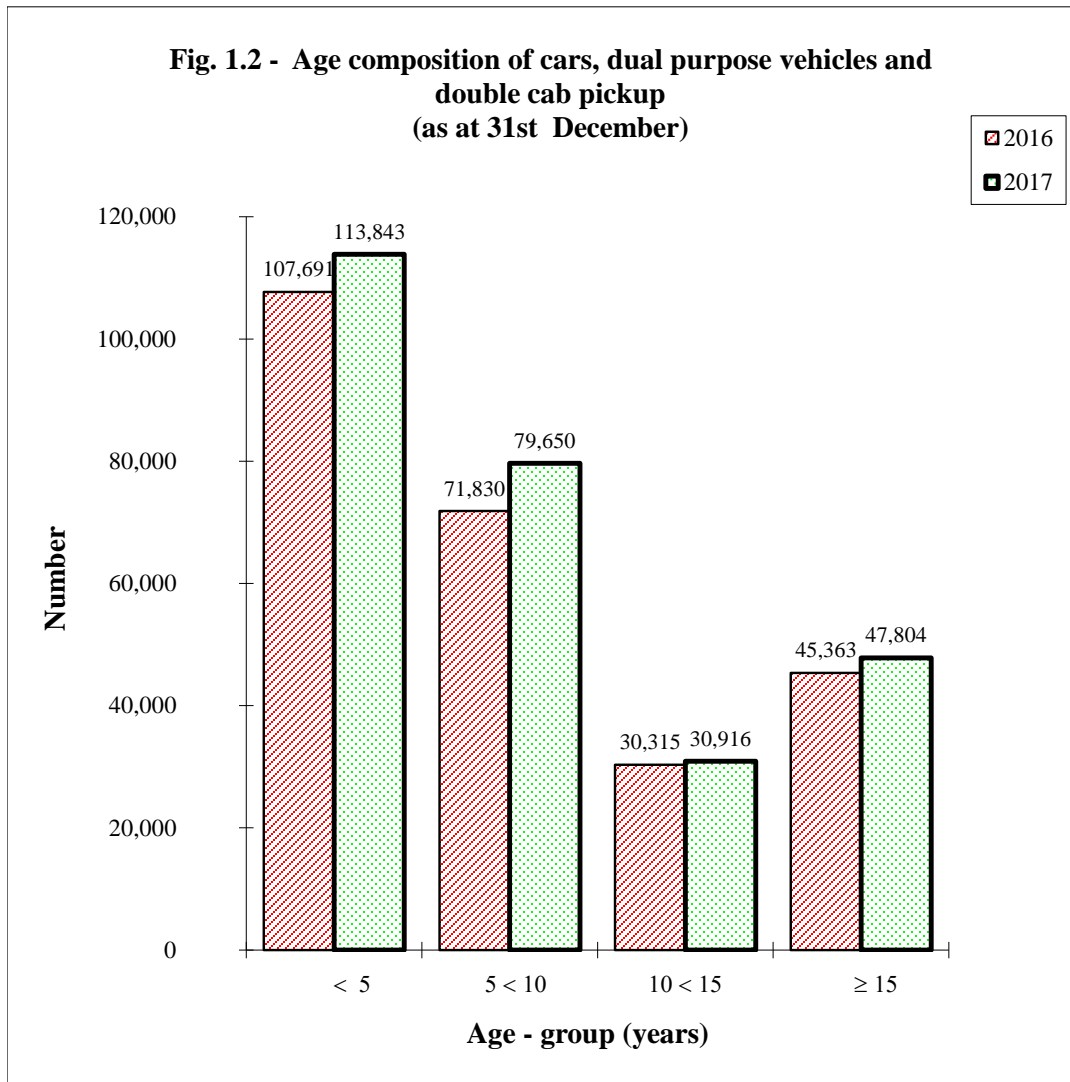


Table 1.4 - Age composition of operational public bus fleet ¹, 2016 - 2017

(as at 31st December)

Age group (Years)	2016		2017	
	Number	%	Number	%
< 5	644	31.7	579	28.4
5 < 10	677	33.3	622	30.6
10 < 15	528	26.0	640	31.5
15 < 20	183	9.0	193	9.5
TOTAL	2,032	100.0	2,034	99.9

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

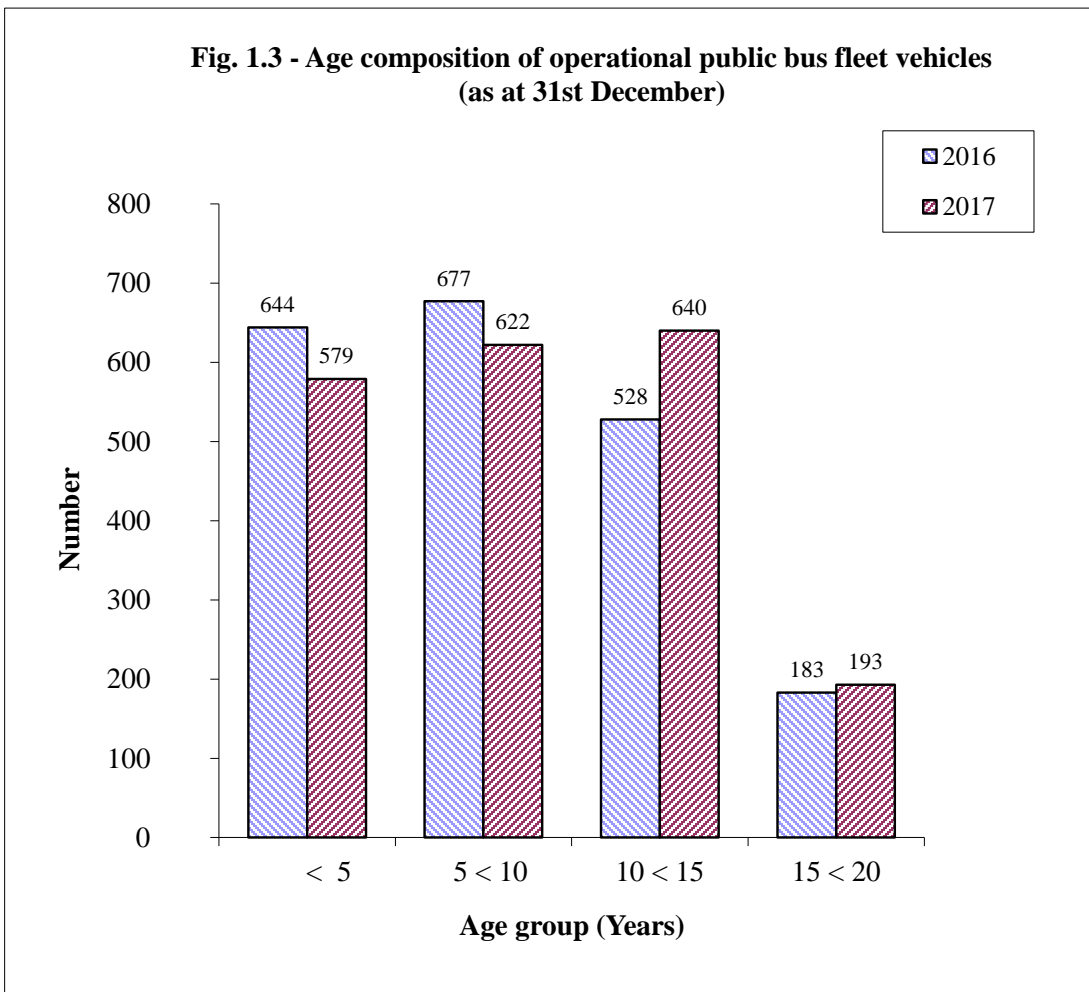


Table 2.1 - Road traffic accidents¹, 2016 - 2017

	2016 ³	2017 ⁴	Change	
			Number	%
1. Road traffic accidents	29,277	29,627	350	+ 1.2
Number of accidents causing casualties	2,789	3,041	252	+ 9.0
<i>Fatal accident²</i>	132	152	20	+ 15.2
<i>Serious injury accident</i>	423	461	38	+ 9.0
<i>Slight injury accident</i>	2,234	2,428	194	+ 8.7
Non injury accident	26,488	26,586	98	+ 0.4
Rate per 100,000 population	2,397	2,425	N.A	N.A
Rate per 1,000 registered motor vehicles	59	57	N.A	N.A
2. Vehicles involved in road accidents	57,496	58,295	799	+ 1.4
of which				
<i>Motor Vehicles</i>	57,335	58,178	843	+ 1.5
Rate per 1,000 registered motor vehicles	116	112	N.A	N.A
Number of motor vehicles involved in accidents causing casualties	4,359	4,953	594	+ 13.6
3. Casualties	3,862	4,199	337	+ 8.7
<i>Fatal²</i>	144	157	13	+ 9.0
<i>Seriously injured</i>	512	558	46	+ 9.0
<i>Slightly injured</i>	3,206	3,484	278	+ 8.7

¹ Exclude accidents involving bicycles only or bicycle and pedestrian

² Based on definition of fatal accidents where death occurred within 30 days.

³ Revised

⁴ Provisional

N.A : Not applicable

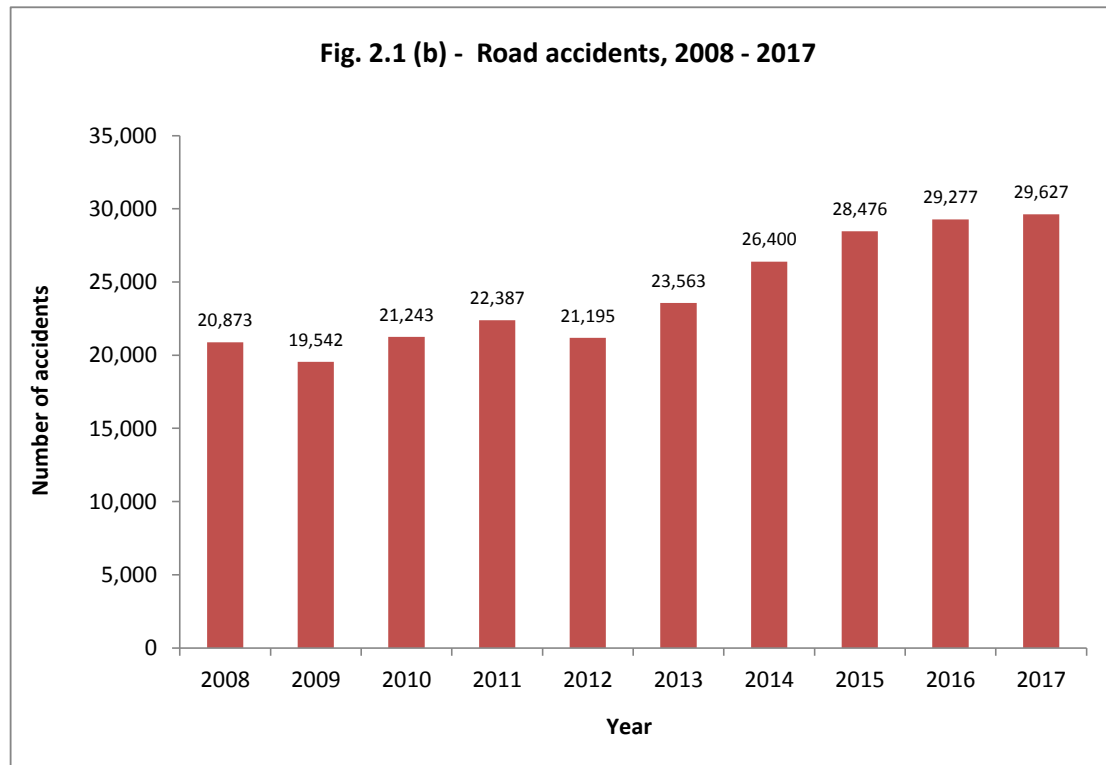
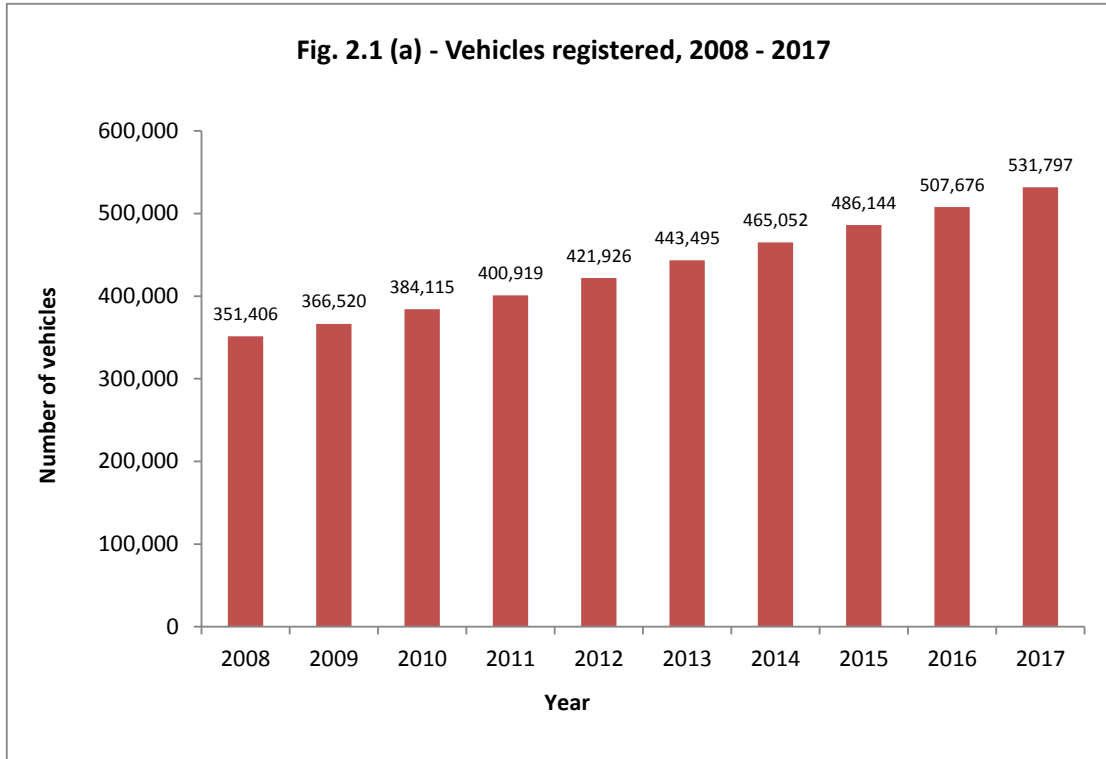


Table 2.2 - Road traffic accidents¹ and casualties, 2008 - 2017

	2008	2009	2010	2011	2012	2013	2014	2015	2016 ³	2017
1. Road traffic accidents :										
Number	20,873	19,542	21,243	22,387	21,056	23,563	26,400	28,476	29,277	29,627
Rate per 100,000 population	1,732	1,618	1,755	1,847	1,733	1,936	2,165	2,333	2,397	2,425
Rate per 1,000 registered motor vehicles	61	54	57	57	51	55	58	60	59	57
2. Motor vehicle involved :										
Number	42,910	38,058	41,084	41,294	40,759	41,888	51,264	55,617	57,335	58,178
Rate per 1,000 registered motor vehicles	125	106	110	105	99	97	113	117	115	112
3. Casualties :										
Total number of casualties	3,435	3,661	3,640	3,422	3,653	3,610	3,592	3,722	3,862	4,199
of which										
<i>Fatal</i>	168	140	158	152	156	136	137	139	144	157
<i>Seriously injured</i>	512	516	569	487	549	465	505	530	512	558
<i>Slightly injured</i>	2,755	3,005	2,913	2,783	2,948	3,009	2,950	3,053	3,206	3,484
4. Fatality :										
Rate per 100,000 population	13.9	11.6	13.1	12.5	12.8	11.2	11.2	11.4	11.8	12.8
Rate per 1,000 registered motor vehicles	0.5	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3
Fatality index ²	4.9	3.8	4.3	4.4	4.3	3.8	3.8	3.7	3.7	3.7

¹ Exclude accidents involving bicycles only or bicycle and pedestrian.

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

³ Revised

Table 2.3 -Number of vehicles ¹ involved in accidents (causing casualties) by type, 2016 - 2017

Type of vehicle	2016					2017				
	Casualties					Casualties				
	Fatal	Serious	Slight	Total	%	Fatal	Serious	Slight	Total	%
Private car	51	247	1,280	1,578	34.9	82	293	1,338	1,713	33.4
Taxi car	3	8	45	56	1.2	3	7	49	59	1.1
Bus	17	39	245	301	6.7	12	40	280	332	6.5
Lorry	10	23	58	91	2.0	8	24	63	95	1.9
Van	8	35	207	250	5.5	5	35	246	286	5.6
Motor / auto cycle	68	294	1,346	1,708	37.8	77	350	1,592	2,019	39.4
Other motor vehicles	20	47	308	375	8.3	32	52	365	449	8.8
Total motor vehicles	177	693	3,489	4,359	96.4	219	801	3,933	4,953	96.7
Pedal cycle	10	13	138	161	3.6	13	40	117	170	3.3
Other non-motor vehicles	-	-	-	-	-	-	-	-	-	-
All vehicles	187	706	3,627	4,520	100.0	232	841	4,050	5,123	100.0

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

Table 2.4 - Number of casualties by class of road users, 2016- 2017

Class of road users	2016 ¹				2017			
	Jan. - Jun.	Jul. - Dec.	Total	%	Jan. - Jun.	Jul. - Dec.	Total	%
Pedestrian	299	295	594	15.4	347	336	683	16.3
Passenger	397	518	915	23.7	493	513	1,006	24.0
Driver	315	336	651	16.9	314	330	644	15.3
Rider (auto/motor cycle)	781	767	1,548	40.0	846	843	1,689	40.2
Pedal cyclist	87	67	154	4.0	96	81	177	4.2
Total	1,879	1,983	3,862	100.0	2,096	2,103	4,199	100.0

¹ Revised**Table 2.5 - Number of accidents (causing casualties) involved in "hit and run" cases, 2016- 2017.**

Year Accident	2016				2017			
	Jan. - Jun.	Jul. - Dec.	Total	%	Jan. - Jun.	Jul. - Dec.	Total	%
Vehicles v/s pedestrian	32	27	59	40.7	40	27	67	42.9
Vehicles v/s vehicles	56	30	86	59.3	58	31	89	57.1
Total	88	57	145	100.0	98	58	156	100.0

Table 2.6 - Number of fatalities by category of road users and age-group, 2017

Category of road users Age - group (years)	Cyclists	Drivers of four wheeled vehicles	Passengers of four wheeled vehicles	Pedestrians	Riders / pillion riders of motorised two - wheelers	Total
Under 5	-	-	2	-	-	2
5 - 14	1	-	1	-	1	3
15 - 29	-	7	9	3	26	45
30 - 44	4	3	2	8	16	33
45 - 59	4	1	5	18	13	41
60 - 69	4	-	2	12	3	21
Over 69	-	1	3	6	2	12
All ages	13	12	24	47	61	157