

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

January – June 2019

## 1. Vehicles registered as at June 2019

At the end of June 2019, there were 568,879 vehicles registered at the National Transport Authority (NTA). This represents a net increase of 12,878 vehicles (2.3%) as compared to end of year 2018 when the number of registered vehicles was 556,001 (Table 1.1).

During the first semester of 2019, the fleet was strengthened with the registration of 15,713 vehicles, of which 10,094 (64.2%) were new, 4,980 (31.7%) were imported second-hand and 639 (4.1%) were re-registered vehicles; i.e., those which had been previously put off the road. During the same period 2,835 vehicles were put off the road. The net addition to the existing fleet worked out to 12,878 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 June 2019, the fleet consisted of 52.5% (298,543) cars, double cab pickups and dual purpose vehicles and 37.7% (214,482) auto/motor cycles. The remaining 9.8% comprised vans (28,730), lorries and trucks (15,801), buses (3,091) and other vehicles (8,232).

## 3. Vehicles used for transport of passengers

### 3.1 *Cars, double cab pickups and dual purpose vehicles*

At the end of June 2019, the number of cars, double cab pickups and dual purpose vehicles was 298,543, a rise of 3.1% over the figure of 289,676 as at end of December 2018. This increase resulted from the registration of 9,921 such vehicles (5,049 new, 4,604 imported second-hand and 268 re-registered), partly offset by 1,054 vehicles that were put off the road.

### 3.2 *Buses*

At the end of June 2019, there were 3,091 registered buses, out of which 2,029 or 65.6% were 'public' buses operating with a road service licence. During the first semester of 2019, some 33 new buses were registered, while 28 buses were put off the road, resulting in an increase of 5 buses.

#### **4. Motor cycles and auto cycles**

At the end of June 2019, there were 214,482 motor cycles and auto cycles. This represents a net increase of 3,357 (+1.6%) against 211,125 at the end of December 2018.

#### **5. Road traffic accidents**

The number of road accidents registered during the first semester of 2019 went up by 16.2% to reach 17,001 as compared to 14,634 recorded during the corresponding period of 2018. Among these accidents, the majority, 15,606 (91.8%) were non-injury, 64 fatal, 269 caused serious injuries and 1,062 slight injuries.

Compared to the same period of 2018, casualty and non-injury accidents went up by 11.3% and 16.6% respectively. The number of fatal accidents decreased by 19.0%, whereas serious and slight injury accidents increased by 11.2% and 13.9% respectively (Table 2.1).

#### **6. Vehicles involved in road accidents**

During the first semester of 2019, the total number of vehicles (both motor and non-motor) involved in road accidents was 30,561 (+6.5%) against 28,709 in the corresponding period of the preceding year. The number of motor vehicles involved in accidents resulting in casualties was 2,055 during the first semester of 2019 against 1,938 for the same period of 2018. Table 2.3 shows that 38.8% of these vehicles were motor/auto cycles, another 35.0% were cars, 7.5 % were vans, and 6.8% were buses.

#### **7. Casualties**

The number of casualties (fatalities and persons injured as a result of road accidents) increased by 4.0% from 1,763 during the first semester of 2018 to 1,834 during the corresponding period of 2019. Among the casualties during the period January to June 2019, 69 were fatal, 304 were seriously injured and the remaining 1,461 were slightly injured.

Compared to the corresponding period of 2018, the number of persons who died as a result of road accidents went down by 21.6% from 88 to 69, while those seriously injured increased by 10.9% from 274 to 304 and slightly injured by 4.3%, from 1,401 to 1,461 (Table 2.1).

Table 2.4 shows that, among the casualties during the first semester of 2019, some 40.3% were riders of auto/motor cycles, 24.6% passengers, 17.0% pedestrians, 13.5% drivers and 4.6% pedal cyclists.

Out of the 69 persons who died in road accidents during the first semester of 2019, the most vulnerable ones were riders/pillion riders of motorised two wheelers (24) and pedestrians (21) (Table 2.6).

## 8. Hit and run cases of accidents causing casualties

During the first six months of 2019, some 42 ‘hit and run’ cases causing casualties were reported as compared to 97 during the same period of 2018. Out of these 42 cases, 64.3% (27) involved both vehicles and pedestrians, while the other 35.7% (15) involved vehicles only (Table 2.5).

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## **Explanatory Notes**

### **A. Vehicle Statistics**

1. Data refer to all vehicles registered at 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 autocycle 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 autocycle 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 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.

#### ***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, crushings 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 - Vehicles<sup>1</sup> registered as at June 2019**

Type of vehicle	No. of vehicles at 31.12.18	New vehicles Jan. - June 19	Imported second-hand vehicles Jan. - June 19	Re - registered vehicles <sup>2</sup> Jan. - June 19	Vehicles off the road <sup>3</sup> Jan. - June 19	No. of vehicles at 30.06.19	Net addition Jan. - June 2019
Car	235,598	4,335	4,584	233	676	244,074	8,476
Dual purpose vehicle	48,200	1	5	6	199	48,013	-187
Double cab pickup	5,878	713	15	29	179	6,456	578
Motor cycle	93,636	3,411	8	267	528	96,794	3,158
Auto cycle	117,489	925	0	0	726	117,688	199
Lorry and truck	15,505	261	101	36	102	15,801	296
Van	28,506	295	188	54	313	28,730	224
Bus	3,086	33	0	0	28	3,091	5
Other	8,103	120	79	14	84	8,232	129
<b>Total</b>	<b>556,001</b>	<b>10,094</b>	<b>4,980</b>	<b>639</b>	<b>2,835</b>	<b>568,879</b>	<b>12,878</b>

<sup>1</sup> Excluding pedal cycles, but including government vehicles.

<sup>2</sup> Refers to re-registration of vehicles previously off the road.

<sup>3</sup> Unlicensed either temporarily or permanently

**Table 1.2 - Vehicles <sup>1</sup> registered by type, December 2009 - December 2018 and June 2019**

Type of vehicle	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 ( June )
Car (of which taxi car)	117,890 (6,921)	127,363 (6,924)	136,225 (6,907)	147,733 (6,905)	160,701 (6,915)	173,954 (6,911)	188,299 (6,907)	202,696 (6,905)	218,976 (6,909)	235,598 (6,907)	244,074 (6,905)
Dual purpose vehicle	47,146	48,271	49,132	50,116	49,730	49,503	49,301	48,961	48,603	48,200	48,013
Double cab pickup	<i>Napp</i>	<i>Napp</i>	<i>Napp</i>	<i>Napp</i>	1,155	2,065	2,689	3,542	4,634	5,878	6,456
Heavy motor car	1,275	1,249	1,230	1,244	1,250	1,271	1,284	1,316	1,345	1,367	1,364
Motor cycle	44,222	48,655	53,410	59,637	65,827	72,067	77,603	82,746	88,360	93,636	96,794
Auto cycle	108,713	110,674	112,296	113,871	114,958	115,784	116,085	116,653	117,133	117,489	117,688
Lorry and truck	12,950	13,186	13,539	13,902	14,061	14,243	14,372	14,645	15,024	15,505	15,801
Van	25,622	25,914	26,090	26,293	26,624	26,890	27,229	27,656	28,121	28,506	28,730
Bus	2,803	2,845	2,912	2,957	2,963	3,006	2,980	3,107	3,101	3,086	3,091
Tractor and dumper	3,102	3,119	3,173	3,202	3,226	3,254	3,244	3,251	3,277	3,351	3,392
Prime mover	558	596	650	689	715	734	774	817	873	947	996
Trailer	1,823	1,821	1,834	1,845	1,846	1,842	1,850	1,853	1,913	1,999	2,030
Road roller	97	98	99	101	102	103	103	105	109	110	110
Other	319	324	329	336	337	336	331	328	328	329	340
<b>TOTAL</b>	<b>366,520</b>	<b>384,115</b>	<b>400,919</b>	<b>421,926</b>	<b>443,495</b>	<b>465,052</b>	<b>486,144</b>	<b>507,676</b>	<b>531,797</b>	<b>556,001</b>	<b>568,879</b>

<sup>1</sup> Excluding pedal cycles, but including government vehicles.

*Napp* : Not Applicable

**Table 1.3 - Registration of vehicles by type, January - June 2018 and January - June 2019**

Type of vehicle	New vehicles registered		Imported second - hand vehicles registered		Re -registration of vehicles <sup>1</sup>		Vehicles put off the road <sup>2</sup>	
	Jan. - June	Jan. - June	Jan. - June	Jan. - June	Jan. - June	Jan. - June	Jan. - June	Jan. - June
	2018	2019	2018	2019	2018	2019	2018	2019
Car	4,041	4,335	3,889	4,584	380	233	641	676
Dual purpose vehicle	0	1	3	5	2	6	210	199
Double cab pickup	669	713	5	15	67	29	184	179
Motor cycle	3,213	3,411	15	8	259	267	469	528
Auto cycle	995	925	0	0	0	0	721	726
Lorry and truck	176	261	72	101	41	36	79	102
Van	263	295	181	188	59	54	301	313
Bus	36	33	0	0	0	0	40	28
Other	85	120	68	79	33	14	81	84
<b>Total</b>	<b>9,478</b>	<b>10,094</b>	<b>4,233</b>	<b>4,980</b>	<b>841</b>	<b>639</b>	<b>2,726</b>	<b>2,835</b>

<sup>1</sup> Refers to re-registration of vehicles previously off the road.

<sup>2</sup> Unlicensed either temporarily or permanently.

**Table 2.1 - Road traffic accidents<sup>1</sup>, January - June 2018 and January - June 2019**

	Jan. - June	Jan. - June	Change <sup>3</sup>	
	2018	2019 <sup>3</sup>	Number	%
<b>1. Road traffic accidents</b>	<b>14,634</b>	<b>17,001</b>	<b>2,367</b>	<b>+16.2</b>
of which				
Casualty accidents	1,253	1,395	142	+11.3
<i>Fatal accident<sup>2</sup></i>	79	64	-15	-19.0
<i>Serious injury accident</i>	242	269	27	+11.2
<i>Slight injury accident</i>	932	1,062	130	+13.9
Non-injury accident	13,381	15,606	2,225	+16.6
<b>2. Vehicles involved in accidents</b>	<b>28,709</b>	<b>30,561</b>	<b>1,852</b>	<b>+6.5</b>
of which				
<i>Motor Vehicles</i>	28,650	30,476	1,826	+6.4
<i>Motor vehicles involved in casualty accidents</i>	1,938	2,055	117	+6.0
<b>3. Casualties</b>	<b>1,763</b>	<b>1,834</b>	<b>71</b>	<b>+4.0</b>
<i>Fatal<sup>2</sup></i>	88	69	-19	-21.6
<i>Seriously injured</i>	274	304	30	+10.9
<i>Slightly injured</i>	1,401	1,461	60	+4.3

<sup>1</sup> Exclude accidents involving bicycles only or bicycle and pedestrian.

<sup>2</sup> Based on definition of fatal accidents where death occurred within 30 days.

<sup>3</sup> Provisional

**Table 2.2 - Road traffic accidents <sup>1</sup> and casualties, 2009 - 2018, January - June 2019**

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 <sup>3</sup> Jan.-June
<b>1. Road traffic accidents :</b>											
Number	19,542	21,243	22,387	21,056	23,563	26,400	28,476	29,277	29,627	29,075	17,001
Rate per 100,000 population	1,618	1,755	1,847	1,733	1,936	2,165	2,333	2,397	2,425	2,379	<i>Napp</i>
Rate per 1,000 registered motor vehicles	54	57	57	51	55	58	60	59	57	54	<i>Napp</i>
<b>2. Motor vehicle involved :</b>											
Number	38,058	41,084	41,294	40,759	41,888	51,264	55,617	57,335	58,178	56,962	30,476
Rate per 1,000 registered motor vehicles	106	110	105	99	97	113	117	115	112	105	<i>Napp</i>
<b>3. Casualties :</b>											
Total number of casualties of which	3,661	3,640	3,422	3,653	3,610	3,592	3,722	3,862	4,209	3,718	1,834
<i>Fatal</i>	140	158	152	156	136	137	139	144	157	143	69
<i>Seriously injured</i>	516	569	487	549	465	505	530	512	560	597	304
<i>Slightly injured</i>	3,005	2,913	2,783	2,948	3,009	2,950	3,053	3,206	3,492	2,978	1,461
<b>4. Fatality :</b>											
Rate per 100,000 population	11.6	13.1	12.5	12.8	11.2	11.2	11.4	11.8	12.8	11.7	<i>Napp</i>
Rate per 1,000 registered motor vehicles	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	<i>Napp</i>
Fatality index <sup>2</sup>	3.8	4.3	4.4	4.3	3.8	3.8	3.7	3.7	3.7	3.8	<i>Napp</i>

<sup>1</sup> Exclude accidents involving bicycles only or bicycle and pedestrian

<sup>2</sup> Fatality index is the number of fatalities per 100 casualties.      *Napp* : Not applicable

<sup>3</sup> Provisional

**Table 2.3 - Number of vehicles<sup>1</sup> involved in accidents (causing casualties) by type, January 2017 - June 2018**

Type of vehicle	2018						2019 <sup>2</sup>	
	Jan. - June		Jul. - Dec.		Year		Jan. - June	
	Number	%	Number	%	Number	%	Number	%
Private car	694	34.8	846	36.3	1,540	35.6	750	35.0
Taxi car	18	0.9	27	1.2	45	1.0	17	0.8
Bus	137	6.9	136	5.8	273	6.3	145	6.8
Lorry	45	2.3	53	2.3	98	2.3	57	2.7
Van	151	7.6	167	7.2	318	7.4	160	7.5
Motor/auto cycle	768	38.5	884	38.0	1,652	38.2	830	38.8
Other motor vehicles	125	6.3	132	5.7	257	5.9	95	4.4
<b>Total motor vehicles</b>	<b>1,938</b>	<b>97.0</b>	<b>2,245</b>	<b>96.4</b>	<b>4,183</b>	<b>96.7</b>	<b>2,055</b>	<b>96.0</b>
Pedal cycle	59	3.0	83	3.6	142	3.3	85	4.0
Other non motor vehicles	0	0	0	0	0	0	0	0
<b>All vehicles</b>	<b>1,997</b>	<b>100.0</b>	<b>2,328</b>	<b>100.0</b>	<b>4,325</b>	<b>100.0</b>	<b>2,140</b>	<b>100.0</b>

<sup>1</sup> Only three main vehicles have been considered in accidents involving more than three vehicles.

<sup>2</sup> Provisional

Note: Figures may not add up to totals due to rounding

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

Class of road users	2018				2019	
	Jan. - June		Jul. - Dec.		Jan. - June	
	Number	%	Number	%	Number	%
Pedestrian	250	14.2	321	16.4	311	17.0
Passenger	461	26.1	503	25.7	451	24.6
Driver	296	16.8	279	14.3	247	13.5
Rider (auto/motor cycle)	698	39.6	763	39.0	740	40.3
Pedal cyclist	58	3.3	89	4.6	85	4.6
<b>All road users</b>	<b>1,763</b>	<b>100.0</b>	<b>1,955</b>	<b>100.0</b>	<b>1,834</b>	<b>100.0</b>

<sup>1</sup> Provisional

**Table 2.5 - Casualty accidents involved in "hit and run" cases, January 2018 - June 2019**

Accident	2018				2019 <sup>1</sup>	
	Jan. - June		Jul. - Dec.		Jan. - June	
	Number	%	Number	%	Number	%
Vehicles v/s pedestrians	32	33.0	24	43.6	27	64.3
Vehicles v/s vehicles	65	67.0	31	56.4	15	35.7
<b>Total</b>	<b>97</b>	<b>100.0</b>	<b>55</b>	<b>100.0</b>	<b>42</b>	<b>100.0</b>

<sup>1</sup> Provisional.

**Table 2.6 - Number of fatalities by category of road users and age-group, January to June 2019**

<b>Category of road users</b> <b>Age - group (years)</b>	<b>Cyclists</b>	<b>Drivers of four wheeled vehicles</b>	<b>Passengers of four wheeled vehicles</b>	<b>Pedestrians</b>	<b>Riders / pillion riders of motorised two - wheelers</b>	<b>Total</b>
<b>Under 5</b>	0	0	0	0	0	<b>0</b>
<b>5 - 14</b>	0	0	1	0	0	<b>1</b>
<b>15 - 29</b>	1	3	5	1	8	<b>18</b>
<b>30 - 44</b>	0	4	3	1	10	<b>18</b>
<b>45 - 59</b>	3	2	0	7	5	<b>17</b>
<b>60 - 69</b>	0	0	0	6	1	<b>7</b>
<b>Over 69</b>	2	0	0	6	0	<b>8</b>
<b>All ages</b>	<b>6</b>	<b>9</b>	<b>9</b>	<b>21</b>	<b>24</b>	<b>69</b>