

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

January – June 2010

1. Vehicles registered as at June 2010

As at 30 June 2010, the number of vehicles registered at the National Transport Authority (NTA) was 374,547. This represents a net increase of 8,027 (2.2%) vehicles as compared to the end of December 2009 when the number of registered vehicles stood at 366,520 (Table 1.1).

2. Net increase between January and June 2010

Between January and June 2010, the fleet was strengthened with the registration of 10,489 vehicles, of which 7,169 (68.3%) were new, 2,902 (27.7%) were imported second-hand and the other 418 (4.0%) were re-registered vehicles previously put off the road. During the same period, 2,462 vehicles were put off the road, thus resulting in a net addition of 8,027 vehicles to the existing fleet (Table 1.1).

3. Composition of the fleet

The composition of the fleet by type of vehicles is shown in Table 1.2. At the end of June 2010, the fleet consisted of 169,772 cars and dual purpose vehicles (45.3%) and 155,884 motorized two-wheelers (41.6%). The remaining 13.1% comprised 25,741 vans, 13,125 lorries and trucks, 2,844 buses and 7,181 other vehicles.

4. Cars and dual purpose vehicles

The number of cars and dual purpose vehicles increased by 4,736 (2.9%) from 165,036 at the end of December 2009 to 169,772 at the end of June 2010. This net increase resulted from the registration of 5,648 vehicles (2,889 new, 2,561 imported second-hand and 198 re-registered) and the de-registration of another 912 vehicles.

5. Motor cycles and auto cycles

At the end of June 2010, there were 155,884 motor cycles and auto cycles. This represents a net increase of 2,949 (1.9%) against 152,935 at the end of December 2009.

6. Road traffic accidents

From January to June 2010, a total of 11,227 road accidents was reported, of which 1,246 (11.1%) were casualty accidents and 9,981 (88.9%) were non-injury accidents. A breakdown of casualty accidents by severity showed that 65 (5.2%) were fatal accidents, 233 (18.7%) were serious injury accidents and 948 (76.1%) were slight injury accidents (Table 2.1).

Compared to the same period of 2009, the total number of road accidents increased by 10.0%. Casualty accidents rose by 1.5% and non-injury accidents by 11.1%. Fatal and

serious injury accidents increased by 1.6% and 8.4% respectively whilst slight injury accident remained almost at the same level (Table 2.1).

7. Vehicles involved in road accidents

The number of vehicles (motor and non-motor) involved in road accidents during the period January to June 2010 was 20,050, up by 0.8% compared to the corresponding period of 2009 (19,892). The number of motor vehicles involved in casualty accidents during the first semester of 2010 was 1,830, down by 0.7% compared to 1,843 for the same period in 2009 (Table 2.1).

As shown in Table 2.3, out of all vehicles involved in casualty accidents during the first half of 2010, around 33.4% were private cars, 37.4% motor/auto cycles, 12.1% vans and 7.8% buses.

8. Casualties

From January to June 2010, a total of 1,821 casualties (fatalities and persons injured as a result of road accidents) were reported as compared to 1,862 for the corresponding period of 2009, i.e. a decrease of 2.2%. The number of fatalities (persons killed as a result of road accidents) went up by 4.5% from 67 to 70 while the number of seriously injured decreased by 1.1% from 284 to 281 and the number of slightly injured persons by 2.7% from 1,511 to 1,470 (Table 2.1).

Table 2.4 shows that around 35.1% of the casualties were riders of motor/auto cycles, 29.0% passengers, 18.0% pedestrians and 13.8% drivers.

9. Hit and run cases in casualty accidents

During the first six months of 2010, 87 'hit and run' accidents involving casualties were reported to police stations against 90 for the corresponding period of the preceding year (Table 2.5). Among the 87 cases, 39 were accidents involving only vehicles while the remaining 48 involved both vehicles and pedestrians.

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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.

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.

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.

The above three categories are jointly referred to as *casualty accident*

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 (7 days prior to 2002) as a result of an accident is referred to as a fatality.

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.

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

Table 1.1 - Vehicles¹ registered as at June 2010

Type of vehicle	No. of vehicles at 31.12.09	New vehicles Jan. - June 10	Imported second-hand vehicles Jan. - June 10	Re - registered vehicles ² Jan. - June 10	Vehicles off the road ³ Jan. - June 10	No. of vehicles at 30.06.10	Net addition Jan. - June 2010
Car	117,890	2,251	2,493	141	577	122,198	4,308
Dual purpose vehicle	47,146	638	68	57	335	47,574	428
Motor cycle	44,222	2,201	24	122	348	46,221	1,999
Auto cycle	108,713	1,667	1	-	718	109,663	950
Lorry and truck	12,950	132	108	42	107	13,125	175
Van	25,622	140	177	40	238	25,741	119
Bus	2,803	74	-	-	33	2,844	41
Other	7,174	66	31	16	106	7,181	7
Total	366,520	7,169	2,902	418	2,462	374,547	8,027

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.

Table 1.2 - Vehicles ¹ registered by type, December 2000 - December 2009 and June 2010

Type of vehicle	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010 (June)
Car	54,911	58,082	63,307	68,524	77,342	84,818	91,911	99,770	109,507	117,890	122,198
<i>(of which taxi car)</i>	<i>(5,039)</i>	<i>(5,318)</i>	<i>(5,801)</i>	<i>(5,979)</i>	<i>(6,482)</i>	<i>(6,798)</i>	<i>(6,860)</i>	<i>(6,885)</i>	<i>(6,941)</i>	<i>(6,921)</i>	<i>(6,912)</i>
Dual purpose vehicle	34,912	36,984	38,129	39,383	40,667	42,026	43,221	44,635	46,021	47,146	47,574
Heavy motor car	916	923	944	958	1,020	1,045	1,118	1,223	1,290	1,275	1,267
Motor cycle	24,523	25,104	25,723	26,744	28,646	30,927	33,936	36,969	40,804	44,222	46,221
Auto cycle	91,955	94,849	97,078	98,858	100,854	102,503	104,238	105,637	107,184	108,713	109,663
Lorry and truck	10,485	10,888	11,236	11,501	11,774	12,047	12,272	12,536	12,726	12,950	13,125
Van	18,807	20,694	21,750	22,496	23,326	23,989	24,522	24,934	25,334	25,622	25,741
Bus	2,394	2,408	2,450	2,460	2,457	2,560	2,612	2,753	2,762	2,803	2,844
Tractor and dumper	2,645	2,683	2,683	2,877	2,935	2,982	3,001	3,025	3,045	3,102	3,105
Prime mover	322	335	349	369	388	412	436	452	505	558	569
Trailer	1,726	1,776	1,770	1,772	1,771	1,765	1,756	1,795	1,809	1,823	1,824
Road roller	100	100	101	100	99	96	96	96	96	97	98
Other	322	323	321	329	326	326	321	320	323	319	318
TOTAL	244,018	255,149	265,841	276,371	291,605	305,496	319,440	334,145	351,406	366,520	374,547

¹ excluding pedal cycles, but including government vehicles.

Table 1.3 - Registration of vehicles by type, January - June 2009 and January - June 2010

Type of vehicle	New vehicles registered		Imported second - hand vehicles registered		Re -registration of vehicles ¹		Vehicles put off the road ²	
	Jan. - Jun.	Jan. - Jun.	Jan. - Jun.	Jan. - Jun.	Jan. - Jun.	Jan. - Jun.	Jan. - Jun.	Jan. - Jun.
	2009	2010	2009	2010	2009	2010	2009	2010
Car	1,589	2,251	2,820	2,493	163	141	576	577
Dual purpose vehicle	616	638	63	68	46	57	306	335
Motor cycle	1,914	2,201	25	24	105	122	340	348
Auto cycle	1,580	1,667	6	1	1	-	716	718
Lorry and truck	90	132	84	108	33	42	101	107
Van	132	140	162	177	39	40	232	238
Bus	72	74	-	-	-	-	36	33
Other	116	66	47	31	15	16	127	106
Total	6,109	7,169	3,207	2,902	402	418	2,434	2,462

¹ refers to re-registration of vehicles previously off the road.

² unlicensed either temporarily or permanently.

Table 2.1 - Road traffic accidents¹, January - June 2009 and January - June 2010

	Jan. - Jun.	Jan. - Jun.	Change	
	2009 ³	2010	Number	%
1. Road traffic accidents	10,211	11,227	1,016	10.0
of which				
Casualty accidents	1,228	1,246	18	1.5
<i>Fatal accident²</i>	64	65	1	1.6
<i>Serious injury accident</i>	215	233	18	8.4
<i>Slight injury accident</i>	949	948	-1	-0.1
Non injury accident	8,983	9,981	998	11.1
2. Vehicles involved in road accidents	19,892	20,050	158	0.8
of which				
<i>Motor Vehicles</i>	19,783	19,921	138	0.7
<i>Motor-vehicles involved in casualty accidents</i>	1,843	1,830	-13	-0.7
3. Casualties	1,862	1,821	-41	-2.2
<i>Fatal²</i>	67	70	3	4.5
<i>Seriously injured</i>	284	281	-3	-1.1
<i>Slightly injured</i>	1,511	1,470	-41	-2.7

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

Table 2.2 - Road traffic accidents ¹ and casualties, 2000 - 2009, January - June 2010

	2000	2001	2002	2003	2004	2005	2006	2007	2008 ⁴	2009	2010 Jan.-Jun.
1. Road traffic accidents :											
Number	18,278	18,517	18,022	19,178	19,495	22,554	20,242	20,519	20,873	19,571	11,227
Rate per 100,000 population	1,588	1,591	1,535	1,616	1,629	1,869	1,665	1,678	1,696	1,582	N/A
Rate per 1,000 registered motor vehicles	77	75	69	72	69	76	65	63	61	55	N/A
2. Motor vehicle involved :											
Number	33,537	33,988	33,119	35,239	35,506	43,741	40,023	41,178	42,910	37,858	19,921
Rate per 1,000 registered motor vehicles	142	137	127	133	126	148	129	127	125	106	N/A
3. Casualties :											
Total number of casualties of which	3,291	3,264	2,904	2,698	2,951	2,760	2,522	3,055	3,435	3,655	1,821
<i>Fatal</i> ²	163	126	158	131	144	136	134	140	168	140	70
<i>Seriously injured</i>	266	288	216	291	245	358	348	500	512	479	281
<i>Slightly injured</i>	2,862	2,850	2,530	2,276	2,562	2,266	2,040	2,415	2,755	3,036	1,470
4. Fatality :											
Rate per 100,000 population	14.2	10.8	13.5	11.0	12.0	11.3	11.0	11.4	13.6	11.3	N/A
Rate per 1,000 registered motor vehicles	0.7	0.5	0.6	0.5	0.5	0.4	0.4	0.4	0.5	0.4	N/A
Fatality index ³	5.0	3.9	5.4	4.8	4.9	4.9	5.3	4.6	4.9	3.8	N/A

¹ exclude accidents involving bicycles only or bicycle and pedestrian.

² from 1993 to 2001 figures are based on definition of fatal accidents where death occurred within 7 days.
as from 2002, figures are based on definition of fatal accidents where deaths occurred within 30 days.

³ fatality index is the number of fatalities per 100 casualties.

⁴ revised

N / A : Not applicable

Table 2.3 - Number of vehicles¹ involved in accidents (causing casualties) by type, January 2009 - June 2010

Type of vehicle	2009 ²						2010	
	Jan. - Jun.		Jul. - Dec.		Year		Jan. - Jun.	
	Number	%	Number	%	Number	%	Number	%
Private car	622	31.9	669	33.2	1,291	32.8	655	33.4
Taxi car	51	2.6	48	2.4	99	2.5	44	2.2
Bus	164	8.4	150	7.5	314	8.0	152	7.8
Lorry	63	3.2	40	2.0	103	2.6	49	2.5
Van	251	12.9	245	12.2	496	12.6	237	12.1
Motor/auto cycle	688	35.2	729	36.2	1,417	36.0	732	37.4
Other motor vehicles	4	0.2	10	0.5	14	0.4	7	0.4
Total motor vehicles	1,843	94.4	1,891	93.9	3,734	94.9	1,876	95.8
Pedal cycle	109	5.6	91	4.6	200	5.1	79	4.0
Other non motor vehicles	0	0	0	0	0	0	4	0.2
All vehicles	1,952	100.0	1,982	100.0	3,934	100.0	1,959	100.0

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

² revised.

Table 2.4 - Number of casualties by class of road users, January 2009 - June 2010

Class of road users	2009 ¹				2010	
	Jan. - Jun.		Jul. - Dec.		Jan. - Jun.	
	Number	%	Number	%	Number	%
Pedestrian	341	18.5	333	18.4	328	18.0
Passenger	603	32.6	505	27.9	527	29.0
Driver	208	11.3	241	13.3	252	13.8
Rider (motor/auto cycle)	610	33.0	650	36.0	639	35.1
Pedal cyclist	100	5.4	78	4.3	75	4.1
Total	1,862	100.8	1,807	100.0	1,821	100.0

¹ revised.

Table 2.5 - Number of accidents (causing casualties) involved in "hit and run" cases, January 2009 - June 2010

Accident	2009 ¹				2010	
	Jan. - Jun.		Jul. - Dec.		Jan. - Jun.	
	Number	%	Number	%	Number	%
Vehicles v/s pedestrians	31	34.4	37	47.4	48	55.2
Vehicles v/s vehicles	59	65.6	41	52.6	39	44.8
Total	90	100.0	78	100.0	87	100.0

¹ revised.