

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

January – June 2012

1. Vehicles registered as at June 2012

At the end of June 2012 there were 411,527 vehicles registered at the National Transport Authority (NTA). This represents a net increase of 10,608 vehicles (2.6%) as compared to end of year 2011 when the number of registered vehicles was 400,919 (Table 1.1).

During the first semester of 2012, the fleet was strengthened with the registration of 13,118 vehicles, of which 9,880 (75.3%) were new, 2,655 (20.3%) were imported second-hand and 583 (4.4%) were re-registered vehicles; i.e., those which had been previously put off the road. During the same period 2,510 vehicles were put off the road. The net addition to the existing fleet worked out to 10,608 vehicles (Table 1.1).

2. Composition of the fleet

A breakdown of the fleet by type of vehicle is given in Table 1.2. At the end of June 2012, the fleet consisted of 46.5% (191,392) cars and dual purpose vehicles and 41.3% (169,920) auto/motor cycles. The remaining 12.2% comprised vans (26,119), lorries and trucks (13,777), buses (2,952) and other vehicles (7,367).

3. Vehicles used for the transport of passengers

3.1 *Cars and dual purpose vehicles*

At the end of June 2012, the number of cars and dual purpose vehicles was 191,392, a rise of 3.3% over the figure of 185,357 as at end of December 2011. This increase resulted from the registration of 6,941 such vehicles (4,285 new, 2,393 imported second-hand and 263 re-registered), partly offset by 906 vehicles that were put off the road.

3.2 *Buses*

At the end of June 2012, there were 2,952 registered buses, out of which 1,884 or 63.8% were 'public' buses operating with a road service licence. During the first semester of 2012, 96 new buses were registered while 56 buses were put off the road resulting in a net increase of 40 buses.

4. Motor cycles and auto cycles

At the end of June 2012, there were 169,920 motor cycles and auto cycles. This represents a net increase of 4,214 (+2.5%) against 165,706 at the end of December 2011.

5. Road traffic accidents

The number of road accidents registered during the first semester of 2012 decreased by 6.5% to 10,679 as compared to 11,426 recorded during the corresponding period of 2011. Among these accidents the majority, 9,377 (87.8%) were non-injury, 64 fatal, 241 caused serious injuries and 997 slight injuries.

Compared to the same period of 2011, the total number of road accidents went down by 6.5%. Casualty accidents rose by 0.2% while non-injury accidents went down by 7.4%. The number of fatal accidents increased by 1.6% and slight injury accidents increased by 0.4% whilst serious injury accidents went down by 1.2% (Table 2.1)

6. Vehicles involved in road accidents

During the first semester of 2012, the total number of vehicles (both motor and non-motor) involved in road accidents was 20,751 against 22,255 in the corresponding period of the preceding year. The number of motor vehicles involved in accidents resulting in casualties was 1,924 during the first semester of 2012 against 1,915 for the same period of 2011. Table 2.3 shows that 32.7% of these vehicles were private cars, another 38.8% were motor/auto cycles and 14.0% were vans.

7. Casualties

The number of casualties (fatalities and persons injured as a result of road accidents) went up by 2.0% from 1,693 during the first semester of 2011 to 1,727 during the corresponding period of 2012. Among the casualties, 69 were fatal, 297 were seriously injured and the remaining 1,361 were slightly injured.

Compared to the corresponding period of 2011, the number of persons who died as a result of road accidents went down by 12.7% from 79 to 69. On the other hand the number of seriously injured increased slightly from 296 to 297 and the number of slightly injured persons increased by 3.3% from 1,318 to 1,361 (Table 2.1).

Table 2.4 reveals that, among the casualties during the first semester of 2012, 27.3% were passengers, 38.2% riders of auto/motor cycles, 17.2% pedestrians, 14.9% drivers and 2.4% pedal cyclists.

8. Hit and run cases of accidents causing casualties

During the first six months of 2012, 86 'hit and run' cases causing casualties were reported as compared to 81 during the same period of 2011 (Table 2.5). Out of these 86 cases, 47.7% (41) involved vehicles only while the other 52.3% (45) 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.

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.

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 (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 2012

Type of vehicle	No. of vehicles at 31.12.11	New vehicles Jan. - June 12	Imported second-hand vehicles Jan. - June 12	Re - registered vehicles ² Jan. - June 12	Vehicles off the road ³ Jan. - June 12	No. of vehicles at 30.06.12	Net addition Jan. - June 2012
Car	136,225	3,621	2,360	188	567	141,827	5,602
Dual purpose vehicle	49,132	664	33	75	339	49,565	433
Motor cycle	53,410	3,411	27	198	362	56,684	3,274
Auto cycle	112,296	1,664	4	1	729	113,236	940
Lorry and truck	13,539	189	115	36	102	13,777	238
Van	26,090	150	78	58	257	26,119	29
Bus	2,912	96	-	-	56	2,952	40
Other	7,315	85	38	27	98	7,367	52
Total	400,919	9,880	2,655	583	2,510	411,527	10,608

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 2002 - December 2011 and June 2012

Type of vehicle	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012 (June)
Car	63,307	68,524	77,342	84,818	91,911	99,770	109,507	117,890	127,363	136,225	141,827
<i>(of which taxi car)</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>(6,924)</i>	<i>(6,907)</i>	<i>(6,912)</i>
Dual purpose vehicle	38,129	39,383	40,667	42,026	43,221	44,635	46,021	47,146	48,271	49,132	49,565
Heavy motor car	944	958	1,020	1,045	1,118	1,223	1,290	1,275	1,249	1,230	1,233
Motor cycle	25,723	26,744	28,646	30,927	33,936	36,969	40,804	44,222	48,655	53,410	56,684
Auto cycle	97,078	98,858	100,854	102,503	104,238	105,637	107,184	108,713	110,674	112,296	113,236
Lorry and truck	11,236	11,501	11,774	12,047	12,272	12,536	12,726	12,950	13,186	13,539	13,777
Van	21,750	22,496	23,326	23,989	24,522	24,934	25,334	25,622	25,914	26,090	26,119
Bus	2,450	2,460	2,457	2,560	2,612	2,753	2,762	2,803	2,845	2,912	2,952
Tractor and dumper	2,683	2,877	2,935	2,982	3,001	3,025	3,045	3,102	3,119	3,173	3,179
Prime mover	349	369	388	412	436	452	505	558	596	650	673
Trailer	1,770	1,772	1,771	1,765	1,756	1,795	1,809	1,823	1,821	1,834	1,851
Road roller	101	100	99	96	96	96	96	97	98	99	99
Other	321	329	326	326	321	320	323	319	324	329	332
TOTAL	265,841	276,371	291,605	305,496	319,440	334,145	351,406	366,520	384,115	400,919	411,527

¹ excluding pedal cycles, but including government vehicles.

Table 1.3 - Registration of vehicles by type, Jan. - June 2011 and Jan. - June 2012

Type of vehicle	New vehicles registered		Imported second - hand vehicles registered		Re -registration of vehicles ¹		Vehicles put off the road ²	
	Jan. - June 2011	Jan. - June 2012	Jan. - June 2011	Jan. - June 2012	Jan. - June 2011	Jan. - June 2012	Jan. - June 2011	Jan. - June 2012
Car	2,721	3,621	1,906	2,360	171	188	557	567
Dual purpose vehicle	616	664	41	33	71	75	335	339
Motor cycle	2,439	3,411	40	27	175	198	348	362
Auto cycle	1,593	1,664	4	4	1	1	702	729
Lorry and truck	107	189	144	115	39	36	108	102
Van	154	150	119	78	37	58	250	257
Bus	74	96	-	-	1	-	37	56
Other	58	85	70	38	21	27	104	98
Total	7,762	9,880	2,324	2,655	516	583	2,441	2,510

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

² unlicensed either temporarily or permanently.

Table 2.1 - Road traffic accidents¹, Jan. - June 2011 and Jan. - June 2012

	Jan. - June	Jan. - June	Change ⁴	
	2011 ³	2012 ⁴	Number	%
1. Road traffic accidents	11,426	10,679	-747	-6.5
of which				
Casualty accidents	1,300	1,302	2	0.2
<i>Fatal accident ²</i>	63	64	1	1.6
<i>Serious injury accident</i>	244	241	-3	-1.2
<i>Slight injury accident</i>	993	997	4	0.4
Non injury accident	10,126	9,377	-749	-7.4
2. Vehicles involved in accidents	22,255	20,751	-1,504	-6.8
of which				
<i>Motor Vehicles</i>	22,167	20,678	-1,489	-6.7
<i>Motor-vehicles involved in casualty accidents</i>	1,915	1,924	9	0.5
3. Casualties	1,693	1,727	34	2.0
<i>Fatal ²</i>	79	69	-10	-12.7
<i>Seriously injured</i>	296	297	1	0.3
<i>Slightly injured</i>	1,318	1,361	43	3.3

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

Table 2.2 - Road traffic accidents ¹ and casualties, 2002- 2011, Jan. - June 2012

	2002	2003	2004	2005	2006	2007	2008	2009	2010 ⁴	2011 ⁵	2012 ⁵ Jan.-June
1. Road traffic accidents :											
Number	18,022	19,178	19,495	22,554	20,242	20,519	20,873	19,542	21,243	22,536	10,679
Rate per 100,000 population	1,535	1,616	1,629	1,869	1,665	1,678	1,696	1,579	1,709	1,806	N/A
Rate per 1,000 registered motor vehicles	69	72	69	76	65	63	61	54	57	58	N/A
2. Motor vehicle involved :											
Number	33,119	35,239	35,506	43,741	40,023	41,178	42,910	38,058	41,084	41,294	20,678
Rate per 1,000 registered motor vehicles	127	133	126	148	129	127	125	106	110	106	N/A
3. Casualties :											
Total number of casualties of which	2,904	2,698	2,951	2,760	2,522	3,055	3,435	3,661	3,640	3,541	1,727
<i>Fatal</i> ²	158	131	144	136	134	140	168	140	158	152	69
<i>Seriously injured</i>	216	291	245	358	348	500	512	516	569	549	297
<i>Slightly injured</i>	2,530	2,276	2,562	2,266	2,040	2,415	2,755	3,005	2,913	2,840	1,361
4. Fatality :											
Rate per 100,000 population	13.5	11.0	12.0	11.3	11.0	11.4	13.6	11.3	12.7	12.2	N/A
Rate per 1,000 registered motor vehicles	0.6	0.5	0.5	0.4	0.4	0.4	0.5	0.4	0.4	0.4	N/A
Fatality index ³	5.4	4.8	4.9	4.9	5.3	4.6	4.9	3.8	4.3	4.3	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.

N / A : Not applicable

⁴ revised

⁵ provisional

Table 2.3 - Number of vehicles¹ involved in accidents (causing casualties) by type, January 2011 - June 2012

Type of vehicle	2011 ²						2012 ³	
	Jan. - June		Jul. - Dec.		Year		Jan. - June	
	Number	%	Number	%	Number	%	Number	%
Private car	641	32.0	744	35.0	1,385	33.6	653	32.7
Taxi car	23	1.2	73	3.5	96	2.3	28	1.4
Bus	142	7.1	179	8.4	321	7.8	124	6.2
Lorry	37	1.9	110	5.2	147	3.5	41	2.0
Van	237	11.8	280	13.2	517	12.5	279	14.0
Motor/auto cycle	814	40.6	625	29.4	1,439	34.9	775	38.8
Other motor vehicles	22	1.1	9	0.4	31	0.7	24	1.2
Total motor vehicles	1,916	95.7	2,020	95.1	3,936	95.3	1,924	96.3
Pedal cycle	83	4.1	104	4.9	187	4.6	73	3.7
Other non motor vehicles	5	0.2	0	0.0	5	0.1	0	0.0
All vehicles	2,004	100.0	2,124	100.0	4,128	100.0	1,997	100.0

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

² revised.

³ provisional

Table 2.4 - Number of casualties by class of road users, January 2011 - June 2012

Class of road users	2011 ¹				2012 ²	
	Jan. - June		Jul. - Dec.		Jan. - June	
	Number	%	Number	%	Number	%
Pedestrian	312	18.4	286	15.5	297	17.2
Passenger	491	29.0	497	26.9	471	27.3
Driver	253	14.9	290	15.7	258	14.9
Rider (auto/motor cycle)	597	35.3	689	37.3	659	38.2
Pedal cyclist	40	2.4	86	4.6	42	2.4
All road users	1,693	100.0	1,848	100.0	1,727	100.0

¹ revised.

² provisional

Table 2.5 - Casualty accidents involved in "hit and run" cases, January 2011 - June 2012

Accident	2011 ¹				2012 ²	
	Jan. - June		Jul. - Dec.		Jan. - June	
	Number	%	Number	%	Number	%
Vehicles v/s pedestrians	43	53.1	36	70.6	41	47.7
Vehicles v/s vehicles	38	46.9	15	29.4	45	52.3
Total	81	100.0	51	100.0	86	100.0

¹ revised.

² provisional

Table 2.6 - Number of fatalities by category of road users and age-group, January to June 2012

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 7	-	-	-	1	-	1
7 - 12	-	-	-	-	-	-
13 - 20	-	-	1	-	6	7
21 - 40	2	2	4	5	11	24
41 - 50	-	3	-	3	8	14
51 - 60	-	-	3	5	4	12
Over 60	1	-	-	7	3	11
All ages	3	5	8	21	32	69