

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

(January - June 2005)

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

January – June 2005

1. Vehicles registered as at June 2005

There were 297,992 vehicles registered at the National Transport Authority (NTA) at 30 June 2005. This represents a net increase of 6,387 vehicles (2.2%) over the figure of 291,605 at the end of December 2004 (Table 1.1).

The fleet consisted of 44% (131,356) motorized two-wheelers, 41% (122,063) cars and dual purpose vehicles while the remaining 15% comprised vans (23,611), lorries and trucks (11,898), buses (2,493) and other vehicles (6,571) (Table 1.2).

2. Net increase between January and June 2005

Between January and June 2005, the fleet was strengthened with the registration of 8,746 vehicles, of which 5,443 (62 %) were new, 2,569 (29 %) were imported second-hand and the other 734 (9%), re-registered vehicles. However, during the same period, 2,359 vehicles were put off the road, thus resulting in a net addition of 6,387 vehicles (Table 1.3).

3. Cars and dual purpose vehicles

The number of cars and dual purpose vehicles increased by 4,054 (3.4%) from 118,009 at the end of December 2004 to 122,063 at the end of June 2005. This net increase resulted from the registration of 4,899 vehicles (2,272 new, 2,200 imported second-hand and 427 re-registered) and the de-registration of another 845 vehicles.

4. Motor cycles and auto cycles

At the end of June 2005, there were 131,356 motor cycles and auto cycles registered at the NTA representing a net increase of 1,856 (1.4%) compared to 129,500 at end of December 2004.

5. Road traffic accidents

From January to June 2005 a total of 11,007 road accidents was reported compared to 10,580 registered during the same period of the previous year, showing an increase of 4.0%. A breakdown of these accidents by type of severity shows that 9,959 (90.0 %) were non-injury, 52 were fatal, 137 caused serious injuries and 859 resulted in slight injuries. Compared to the corresponding semester of 2004, fatal accidents decreased by 20.0% and slight-injury accidents by 9.2%. On the other hand, serious-injury accidents increased by 38.4%.

6. Vehicles involved in road accidents

During the first six months of 2005, 21,415 vehicles (both motor and non-motor vehicles) were involved in road accidents, compared to 19,647 for the corresponding period of 2004. During these two periods, the number of vehicles involved in accidents causing casualties was 1,588 and 1,544 respectively (Table 2.3).

7. Casualties

During the period under review, casualties numbered 1,344 of which 56 were fatal, 156 were seriously injured and the remaining 1,132, slightly injured. When compared to the corresponding period of last year, a decrease of 11.9% was noted in the number of casualties. The number of fatalities (persons killed as a result of road accidents) decreased by 22.2%, i.e. from 72 to 56 while the number of seriously injured increased by 34.5%, from 116 to 156.

As shown in Table 2.4, 30.4% of the casualties were riders of motor / auto cycles, 26.0% passengers and 21.9% pedestrians.

8. Hit and run cases in injury accidents

From January to June 2005, 88 'Hit and run' accidents involving casualties were reported to police stations against 64 in the corresponding period of last year (Table 2.5). Among the 88 cases, 49 were accidents in which only vehicles were involved while the remaining 39 involved both vehicles and pedestrians.

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Definitions and General Notes

A. Vehicle Statistics:

- I. 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, tractor, and
 - (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 Accident Statistics:

- 1. Accidents:** Prior to August 2004 all road traffic accidents reported to police stations. As from August 2004 the police registered road traffic accidents causing injury mainly and non-injury accidents involving more than two vehicles and /or property. Most non-injury accidents are reported directly to insurance companies which provide aggregated data on such accidents. Thus detailed information on non-injury accidents would not be available.
- 2. Casualties refer** to the total number of fatalities and persons injured as the result of road accidents.
- 3. Fatalities:** Prior to 2002, fatalities were defined as deaths occurring within 7 days as a result of road accidents. Since January 2002, fatalities are defined as deaths occurring within 30 days as a result of the road accidents.
- 4. Serious injuries:** Fracture, concussion, internal crushing, severe cut and laceration, severe general shock requiring medical treatment.
- 5. Slight injuries:** Secondary injuries such as sprain, bruises and cuts not judged to be severe.

Table 1.1 - Vehicles¹ registered as at June 2005

Type of vehicle	No. of vehicles at 31.12.04	New vehicles Jan. - June 05	Used imported vehicles Jan. - June 05	Re - registered vehicles ² Jan. - June 05	Vehicles off the road ³ Jan. - June 05	No. of vehicles at 30.06.05	Net addition Jan. - June 2005
Car	77,342	1,610	2,099	327	575	80,803	3,461
Dual purpose vehicle	40,667	662	101	100	270	41,260	593
Motor cycle	28,646	1,129	21	150	326	29,620	974
Auto cycle	100,854	1,605	3	15	741	101,736	882
Lorry and truck	11,774	113	53	62	104	11,898	124
Van	23,326	168	250	62	195	23,611	285
Bus	2,457	68	-	-	32	2,493	36
Other	6,539	88	42	18	116	6,571	32
Total	291,605	5,443	2,569	734	2,359	297,992	6,387

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, Dec. 1995 - Dec. 2004, June 2005

Type of vehicle	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005 (June)
Car <i>(of which taxi car)</i>	43,288 <i>(4,439)</i>	45,563 <i>(4,673)</i>	48,390 <i>(4,721)</i>	51,051 <i>(4,761)</i>	52,892 <i>(4,905)</i>	54,911 <i>(5,039)</i>	58,082 <i>(5,318)</i>	63,307 <i>(5,801)</i>	68,524 <i>(5,979)</i>	77,342 <i>(6,482)</i>	80,803 <i>(6,615)</i>
Dual purpose vehicle	22,086	24,382	27,050	29,527	32,262	34,912	36,984	38,129	39,383	40,667	41,260
Heavy motor car	898	922	934	945	934	916	923	944	958	1,020	1,027
Motor cycle	21,492	22,230	22,839	23,577	24,125	24,523	25,104	25,723	26,744	28,646	29,620
Auto cycle	76,317	79,524	82,567	85,566	88,821	91,955	94,849	97,078	98,858	100,854	101,736
Lorry and truck	8,815	9,058	9,356	9,750	10,138	10,485	10,888	11,236	11,501	11,774	11,898
Van	10,851	11,434	12,469	14,508	16,814	18,807	20,694	21,750	22,496	23,326	23,611
Bus	2,362	2,348	2,359	2,367	2,344	2,394	2,408	2,450	2,460	2,457	2,493
Tractor and dumper	2,546	2,580	2,615	2,627	2,630	2,645	2,683	2,683	2,877	2,935	2,953
Prime mover	256	262	278	297	315	322	335	349	369	388	393
Trailer	1,534	1,597	1,640	1,703	1,719	1,726	1,776	1,770	1,772	1,771	1,773
Road roller	107	106	108	105	102	100	100	101	100	99	97
Other	315	314	317	321	319	322	323	321	329	326	328
TOTAL	190,867	200,320	210,922	222,344	233,415	244,018	255,149	265,841	276,371	291,605	297,992

¹ excluding pedal cycles, but including government vehicles

Table 1.3 - Registration of vehicles by type , Jan. - June 2004 and Jan. - June 2005

Type of vehicle	New vehicles registered		Imported second - hand vehicles registered		Re -registration of vehicles		Vehicles put off the road ²	
	Jan. - June 2004	Jan. - June 2005	Jan. - June 2004	Jan. - June 2005	Jan. - June 2004	Jan. - June 2005	Jan. - June 2004	Jan. - June 2005
Car	1,631	1,610	2,971	2,099	258	327	573	575
Dual purpose vehicle	554	662	114	101	95	100	249	270
Motor cycle	1,005	1,129	14	21	138	150	331	326
Auto cycle	1,827	1,605	6	3	13	15	747	741
Lorry and truck	72	113	93	53	78	62	108	104
Van	162	168	353	250	56	62	186	195
Bus	42	68	-	-	1	-	29	32
Other	113	88	43	42	29	18	106	116
Total	5,406	5,443	3,594	2,569	668	734	2,329	2,359

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 2004 and Jan. - June 2005

	Jan. - June 2004	Jan. - June 2005	Change	
			Number	%
1. Road traffic accidents				
Number of accidents	10,580	11,007	+427	+4.0
of which				
Fatal accident ²	65	52	-13	-20.0
Serious injury accident	99	137	+38	+38.4
Slight injury accident	946	859	-87	-9.2
Non injury accident	9,470	9,959	+489	+5.2
2. Vehicles involved in accidents				
Number of vehicles involved	19,647	21,415	+1,768	+9.0
of which				
Motor - vehicles	19,478	21,323	+1,845	+9.5
Number of vehicles involved causing casualties	1,544	1,588	+44	+2.8
3. Casualties				
Total number of casualties	1,525	1,344	-181	-11.9
Fatal ²	72	56	-16	-22.2
Seriously injured	116	156	+40	+34.5
Slightly injured	1,337	1,132	-205	-15.3

¹ exclude accidents involving bicycles only

² based on definition of fatal accidents where deaths occurred within 30 days

Table 2.2 - Road traffic accidents ¹ and casualties, 1995 - 2004, Jan. - June 2005

	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005 Jan.-June
1. Road traffic accidents:											
Number	14,683	14,845	15,954	18,055	17,877	18,278	18,517	18,022	19,178	19,495	11,007
Rate per 100,000 population	<i>1,350</i>	<i>1,351</i>	<i>1,433</i>	<i>1,605</i>	<i>1,569</i>	<i>1,588</i>	<i>1,591</i>	<i>1,535</i>	<i>1,616</i>	<i>1,629</i>	<i>N/A</i>
Rate per 1,000 registered motor vehicles	<i>80</i>	<i>77</i>	<i>78</i>	<i>84</i>	<i>79</i>	<i>77</i>	<i>75</i>	<i>69</i>	<i>72</i>	<i>69</i>	<i>N/A</i>
2. Motor vehicles involved :											
Number	25,584	26,270	28,561	32,568	32,547	33,537	33,988	33,119	35,239	35,506	21,323
Rate per 1,000 registered motor vehicles	<i>139</i>	<i>135</i>	<i>140</i>	<i>152</i>	<i>144</i>	<i>142</i>	<i>137</i>	<i>127</i>	<i>133</i>	<i>126</i>	<i>N/A</i>
3. Casualties :											
Total number of casualties	3,586	3,774	3,755	3,828	3,405	3,291	3,264	2,904	2,698	2,951	1,344
Fatal ²	173	153	146	162	170	163	126	158	131	144	56
Seriously injured ²	280	238	261	281	237	266	288	216	291	245	156
Slightly injured	3,133	3,383	3,348	3,385	2,998	2,862	2,850	2,530	2,276	2,562	1,132
4. Fatality :											
Rate per 100,000 population	<i>15.9</i>	<i>13.9</i>	<i>13.1</i>	<i>14.4</i>	<i>14.9</i>	<i>14.2</i>	<i>10.8</i>	<i>13.5</i>	<i>11</i>	<i>12</i>	<i>N/A</i>
Rate per 1,000 registered motor vehicle	<i>0.9</i>	<i>0.8</i>	<i>0.7</i>	<i>0.8</i>	<i>0.8</i>	<i>0.7</i>	<i>0.5</i>	<i>0.6</i>	<i>0.5</i>	<i>0.5</i>	<i>N/A</i>
Index ³	<i>4.8</i>	<i>4.1</i>	<i>3.9</i>	<i>4.2</i>	<i>5.0</i>	<i>5.0</i>	<i>3.9</i>	<i>5.4</i>	<i>4.8</i>	<i>4.9</i>	<i>N/A</i>

¹ exclude accidents involving bicycles only and bicycles and pedestrians

² from 1993 to 2001, figures were based on definition of fatal accidents where deaths 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 Available

Table 2.3 - Vehicles¹ involved in injury accidents by type, January 2004 - June 2005

Type of vehicle	2004						2005	
	Jan. - June		Jul. - Dec.		Year		Jan. - June	
	Number	%	Number	%	Number	%	Number	%
Private car	518	31.0	482	29.7	1,000	30.3	651	38.8
Taxi car	42	2.5	100	6.2	142	4.3	58	3.5
Bus	121	7.2	107	6.6	228	6.9	110	6.5
Lorry	82	4.9	113	7.0	195	5.9	51	3.0
Van	243	14.5	289	17.8	532	16.1	210	12.5
Motor/auto cycle	524	31.3	441	27.1	965	29.3	493	29.3
Other motor vehicles	14	0.8	11	0.7	25	0.8	15	0.9
Total motor vehicles	1,544	92.3	1,543	95.0	3,087	93.6	1,588	94.5
Pedal cycle	128	7.7	80	4.9	208	6.3	92	5.5
Other non motor vehicles	-	-	2	0.1	2	0.1	-	-
All vehicles	1,672	100.0	1,625	100.0	3,297	100.0	1,680	100.0

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

Table 2.4 - Casualties by class of road users, January 2004 - June 2005

Class of road users	2004				2005	
	Jan. - June		Jul. - Dec.		Jan. - June	
	Number	%	Number	%	Number	%
Pedestrian	359	23.5	343	24.1	295	21.9
Passenger	459	30.1	411	28.8	349	26.0
Driver	166	10.9	171	12.0	206	15.3
Rider (auto/motor cycle)	419	27.5	392	27.5	408	30.4
Pedal cyclist	122	8.0	109	7.6	86	6.4
All road users	1,525	100.0	1,426	100.0	1,344	100.0

Table 2.5 - Total road injury accidents involving "hit and run" cases, January 2004 - June 2005

Accident	2004				2005	
	Jan. - June		Jul. - Dec.		Jan. - June	
	Number	%	Number	%	Number	%
Vehicles v/s pedestrians	29	45.3	37	60.7	39	44.3
Vehicles v/s vehicles	35	54.7	24	39.3	49	55.7
Total	64	100.0	61	100.0	88	100.0