

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

January - June 2003

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## **Road Transport and Road Traffic Accident statistics (Island of Mauritius) January – June 2003**

### **1. Vehicles registered as at June 2003**

At the end of June 2003, the number of vehicles registered at the National Transport Authority (N.T.A) was 270,450. This represents a net increase of 4,609 vehicles (1.7%) as compared to end of December 2002 when the number of registered vehicles stood at 265,841. (Table 1.1)

The composition of the fleet by type of vehicle shows that around 45.8% (124,003) were motorized two-wheelers, 38.6% (104,303) were cars and dual purpose vehicles while the remaining 15.6% comprised vans (22,099), lorries and trucks (11,381), buses (2,473) and other vehicles (6,191). (Table 1.2)

### **2. Net increase between January and June 2003**

Between January and June 2003, the fleet was strengthened with the registration of 6,893 vehicles, of which 4,002 (58.1%) were new, 2,381 (34.5%) were imported second-hand and the other 510 (7.4%) consisted of re-registered vehicles. However, during the same period, 2,284 vehicles were put off the road, so that the net addition to the fleet was 4,609 vehicles. (Table 1.3)

### **3. Cars and dual purpose vehicles**

The number of cars and dual purpose vehicles increased by 2,867 (2.8%) from 101,436 at the end of December 2002 to reach 104,303 at the end of June 2003. This increase was the result of the registration of 3,662 such vehicles (1,494 new, 1,903 imported second-hand and 265 re-registered) coupled with some 795 put off the road during the period January to June 2003.

### **4. Road traffic accidents**

The number of road accidents reported at police stations from January to June 2003 was 9,457 against 8,976 for the same period last year, showing an increase of 5.4%. Among these accidents, 57 were fatal, 107 caused serious injuries, 911 resulted in slight injuries and the remaining 8,382 were non-injury accidents. Compared to the corresponding semester of last year, fatal and slight-injury accidents decreased by 27.8% and 6.6% respectively while serious-injury accidents increased significantly by 64.6%.

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

From January to June 2003, the total number of vehicles (both motor and non-motor vehicles) involved in road accidents were 17,549 compared to 16,585 for the corresponding period of 2002. As shown in Table 2.3, among the 17,370 motor vehicles involved, 46.5% were private cars, 19.8% vans and 10.5% motor / auto cycles.

### **6. Casualties**

The number of casualties reported during the first six months of 2003 was 1,368 of which 59 were fatal, 137 were seriously injured and the remaining 1,172 slightly injured. Compared to the corresponding period of last year, a decrease of 9.5% (from 1,511 to 1,368) was noted in the number of casualties. The number of fatalities (persons killed as a result of road accidents) decreased from 87 to 59 i.e. by 32.2% while the number of seriously injured rose from 85 to 137, i.e. by 61.2%.

As shown in Table 2.4, 29.2% of the casualties were riders of motor / auto cycles, 28.0% were pedestrians and 22.8% passengers.

### **7. Hit and run cases**

From January to June 2003, some 215 'Hit and run' cases were reported at police stations against 131 in the corresponding period of last year (Table 2.5). Of these 215 cases, 170 were accidents involving vehicles only and the remaining 45 involved both vehicles and pedestrians.

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## Central Statistics Office

Ministry of Economic Development, Financial Services & Corporate Affairs  
Port Louis  
Mauritius  
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### Contact Person

( i ) Mr. A. Poreema  
Senior statistical officer  
National Transport Authority  
Tel: 202-2831  
Fax: 212-9399

( ii ) Mr. R. Mungur  
Senior statistical officer  
Traffic Management and Road  
Safety Unit  
Tel: 210-8716  
Fax: 213-0318

## Definitions and General 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, 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) Auticycle

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** refer to all accidents as reported at police stations.

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.

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**Table 1.1 - Vehicles registered as at June 2003**

Type of vehicle	No. of vehicles at 31.12.02	New vehicles Jan - June 03	Used imported vehicles Jan - June 03	Re - registered vehicles <sup>1</sup> Jan - June 03	Vehicles off the road <sup>2</sup> Jan - June 03	No. of vehicles at 30.06.03	Net addition Jan - June 03
Car	63,307	923	1,696	199	558	65,567	2,260
Dual purpose vehicle	38,129	571	207	66	237	38,736	607
Motor cycle	25,723	605	9	110	334	26,113	390
Auto cycle	97,078	1,538	7	5	738	97,890	812
Lorry and truck	11,236	104	93	52	104	11,381	145
Van	21,750	131	341	51	174	22,099	349
Bus	2,450	54	--	4	35	2,473	23
Other	6,168	76	28	23	104	6,191	23
<b>Total</b>	<b>265,841</b>	<b>4,002</b>	<b>2,381</b>	<b>510</b>	<b>2,284</b>	<b>270,450</b>	<b>4,609</b>

<sup>1</sup> Refers to re-registration of vehicles previously off the road | <sup>2</sup> Unlicensed either temporarily or permanently

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**Table 1.2 - Vehicles <sup>1</sup> registered by type , Dec. 1993 - Dec. 2002 , June 2003**

Type of vehicle	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003 (June)
Car	39,511	41,355	43,288	45,563	48,390	51,051	52,892	54,911	58,082	63,307	65,567
( of which taxi car)	(4,050)	(4,311)	(4,439)	(4,673)	(4,721)	(4,761)	(4,905)	(5,039)	(5,318)	(5,801)	(5,893)
Dual purpose vehicle	17,882	20,023	22,086	24,382	27,050	29,527	32,262	34,912	36,984	38,129	38,736
Heavy motor car	826	848	898	922	934	945	934	916	923	944	956
Motor cycle	18,829	20,461	21,492	22,230	22,839	23,577	24,125	24,523	25,104	25,723	26,113
Auto cycle	66,711	72,509	76,317	79,524	82,567	85,566	88,821	91,955	94,849	97,078	97,890
Lorry and truck	8,166	8,559	8,815	9,058	9,356	9,750	10,138	10,485	10,888	11,236	11,381
Van	9,663	10,292	10,851	11,434	12,469	14,508	16,814	18,807	20,694	21,750	22,099
Bus	2,217	2,276	2,362	2,348	2,359	2,367	2,344	2,394	2,408	2,450	2,473
Tractor and dumper	2,413	2,478	2,546	2,580	2,615	2,627	2,630	2,645	2,683	2,683	2,679
Prime mover	228	249	256	262	278	297	315	322	335	349	360
Trailer	1,333	1,428	1,534	1,597	1,640	1,703	1,719	1,726	1,776	1,770	1,776
Road roller	106	106	107	106	108	105	102	100	100	101	101
Other	273	300	315	314	317	321	319	322	323	321	319
<b>TOTAL</b>	<b>168,158</b>	<b>180,884</b>	<b>190,867</b>	<b>200,320</b>	<b>210,922</b>	<b>222,344</b>	<b>233,415</b>	<b>244,018</b>	<b>255,149</b>	<b>265,841</b>	<b>270,450</b>

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

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**Table 1.3 - Registration of vehicles by type , Jan. - June 2002 and Jan. - June 2003**

Type of vehicle	New vehicles registered Jan. - June		Imported second - hand vehicles registered Jan. - June		Re -registration of vehicles <sup>1</sup> Jan. - June		Vehicles put off the road <sup>2</sup> Jan. - June	
	2002	2003	2002	2003	2002	2003	2002	2003
<b>Car</b>	1,314	923	2,204	1,696	34	199	630	558
<b>Dual purpose vehicle</b>	388	571	261	207	83	66	249	237
<b>Motor cycle</b>	469	605	18	9	153	110	295	334
<b>Auto cycle</b>	1,718	1,538	10	7	492	5	704	738
<b>Lorry &amp; truck</b>	86	104	150	93	33	52	105	104
<b>Van</b>	311	131	482	341	4	51	171	174
<b>Bus</b>	60	54	1	--	3	4	40	35
<b>Other</b>	56	76	45	28	14	23	97	104
<b>Total</b>	<b>4,402</b>	<b>4,002</b>	<b>3,171</b>	<b>2,381</b>	<b>816</b>	<b>510</b>	<b>2,291</b>	<b>2,284</b>

<sup>1</sup> Refers to re-registration of vehicles previously off the road | <sup>2</sup> Unlicensed either temporarily or permanently

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**Table 2.1 - Road traffic accidents<sup>1</sup> , Jan - June 2002 and Jan - June 2003**

	Jan - June 2002 <sup>2</sup>	Jan - June 2003 <sup>2</sup>	Change	
			Number	%
<b>1. Road traffic accidents</b>				
<b>Number of accidents</b>	<b>8,976</b>	<b>9,457</b>	<b>+481</b>	<b>+5.4</b>
Fatal accident	79	57	-22	-27.8
Serious injury accident	65	107	+42	+64.6
Slight injury accident	975	911	-64	-6.6
Non injury accident	7,857	8,382	+525	+6.7
<b>2. Vehicles involved in accidents</b>				
<b>Number of vehicles involved</b>	<b>16,585</b>	<b>17,549</b>	<b>+ 964</b>	<b>+5.8</b>
Motor - vehicles	16,439	17,370	+ 931	+5.7
Other vehicles	146	179	+ 33	+22.6
<b>3. Casualties</b>				
<b>Total number of casualties</b>	<b>1,511</b>	<b>1,368</b>	<b>-143</b>	<b>-9.5</b>
Fatal	87	59	-28	-32.2
Seriously injured	85	137	+52	+61.2
Slightly injured	1,339	1,172	-167	-12.5

<sup>1</sup> Exclude accidents involving bicycles only | <sup>2</sup> Based on definition of fatal accidents where deaths occurred within 30 days as a result of the road accidents

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**Table 2.2 - Road traffic accidents <sup>1</sup> and casualties , 1993 - 2002, Jan - June 2003**

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003 (Jan - June)
<b>1. Road traffic accidents:</b>											
<b>Number</b>	<b>14,562</b>	<b>15,727</b>	<b>14,683</b>	<b>14,845</b>	<b>15,954</b>	<b>18,055</b>	<b>17,877</b>	<b>18,278</b>	<b>18,517</b>	<b>18,022</b>	<b>9,457</b>
Rate per 100,000 Population	1,370	1,459	1,350	1,351	1,433	1,605	1,569	1,588	1,591	1,535	-
Rate per 1,000 registered motor vehicles	91	91	80	77	78	84	79	77	75	69	-
<b>2. Motor vehicles involved :</b>											
<b>Number</b>	<b>25,240</b>	<b>27,203</b>	<b>25,584</b>	<b>26,270</b>	<b>28,561</b>	<b>32,568</b>	<b>32,547</b>	<b>33,537</b>	<b>33,988</b>	<b>33,119</b>	<b>17,370</b>
Rate per 1,000 registered motor vehicles	158	158	139	135	140	152	144	142	137	127	-
<b>3. Casualties :</b>											
<b>Total number of casualties</b>	<b>4,160</b>	<b>3,947</b>	<b>3,586</b>	<b>3,774</b>	<b>3,755</b>	<b>3,828</b>	<b>3,405</b>	<b>3,291</b>	<b>3,264</b>	<b>2,904</b>	<b>1,368</b>
Fatal	157 <sup>2</sup>	154 <sup>2</sup>	173 <sup>2</sup>	153 <sup>2</sup>	146 <sup>2</sup>	162 <sup>2</sup>	170 <sup>2</sup>	163 <sup>2</sup>	126 <sup>2</sup>	158 <sup>3</sup>	59 <sup>3</sup>
Seriously injured	322 <sup>2</sup>	330 <sup>2</sup>	280 <sup>2</sup>	238 <sup>2</sup>	261 <sup>2</sup>	281 <sup>2</sup>	237 <sup>2</sup>	266 <sup>2</sup>	288 <sup>2</sup>	216 <sup>3</sup>	137 <sup>3</sup>
Slightly injured	3,681	3,463	3,133	3,383	3,348	3,385	2,998	2,862	2,850	2,530	1,172 <sup>3</sup>
<b>4. Fatality :</b>											
Rate per 100,000 population	14.8	14.3	15.9	13.9	13.1	14.4	14.9	14.2	10.8	13.5	-
Rate per 1,000 registered motor vehicle	1.0	0.9	0.9	0.8	0.7	0.8	0.8	0.7	0.5	0.6	-
<b>Index<sup>4</sup></b>	<b>3.8</b>	<b>3.9</b>	<b>4.8</b>	<b>4.1</b>	<b>3.9</b>	<b>4.2</b>	<b>5.0</b>	<b>5.0</b>	<b>3.9</b>	<b>5.4</b>	<b>-</b>

<sup>1</sup> Exclude accidents involving bicycles only | <sup>2</sup> From 1993 to 2001, figures were based on definition of fatal accidents where deaths occurred within 7 days as a result of the road accidents | <sup>3</sup> As from 2002, figures are based on definition of fatal accidents where deaths occurred within 30 days as a result of the road accidents |

<sup>4</sup> Fatality index is the number of fatalities per 100 casualties

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**Table 2.3 - Vehicles<sup>1</sup> involved in accidents by type, January 2002 - June 2003**

Type of vehicle	2002						2003 Jan. - June	
	Jan. - June		Jul. - Dec.		Year		Number	%
	Number	%	Number	%	Number	%		
Private car	7,398	44.6	7,454	44.3	14,852	44.5	8,155	46.5
Taxi car	1,476	8.9	1,445	8.6	2,921	8.7	1,501	8.6
Bus	1,224	7.4	1,196	7.1	2,420	7.2	1,159	6.6
Lorry	852	5.1	1,130	6.7	1,982	5.9	1,033	5.9
Van	3,518	21.2	3,487	20.7	7,005	21.0	3,481	19.8
Motor/auto cycle	1,824	10.9	1,832	10.9	3,656	10.9	1,845	10.5
Other motor vehicles	147	0.9	136	0.8	283	0.9	196	1.1
<b>Total motor vehicles</b>	16,439	99.0	16,680	99.1	33,119	99.1	17,370	99.0
Pedal cycle	144	0.9	131	0.8	275	0.8	168	0.9
Other non motor vehicles	2	0.1	15	0.1	17	0.1	11	0.1
<b>All vehicles</b>	<b>16,585</b>	<b>100.0</b>	<b>16,826</b>	<b>100.0</b>	<b>33,411</b>	<b>100.0</b>	<b>17,549</b>	<b>100.0</b>

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

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**Table 2.4 - Casualties by class of road users, January 2002 - June 2003**

Class of road users	2002				2003 Jan. - June	
	Jan. - June		Jul. - Dec.		Number	%
	Number	%	Number	%		
Pedestrian	381	25.2	364	26.1	383	28.0
Passenger	420	27.8	350	25.1	312	22.8
Driver	153	10.1	143	10.3	150	11.0
Rider( auto / motor cycle)	442	29.3	426	30.6	400	29.2
Pedal cyclist	115	7.6	110	7.9	123	9.0
<b>All road users</b>	<b>1,511</b>	<b>100.0</b>	<b>1,393</b>	<b>100.0</b>	<b>1,368</b>	<b>100.0</b>

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**Table 2.5 - Total road accidents involving "hit and run" cases, January 2002 -June 2003**

Period	2002				2003	
	Jan. - June		Jul. - Dec.		Jan. - June	
	Number	%	Number	%	Number	%
Accident						
Vehicles v/s pedestrians	11	8.4	19	11.9	45	20.9
Vehicles v/s vehicles	120	91.6	140	88.1	170	79.1
<b>Total</b>	<b>131</b>	<b>100.0</b>	<b>159</b>	<b>100.0</b>	<b>215</b>	<b>100.0</b>

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