

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

**Year 2020**

## **1. Vehicles registered in 2020**

At the end of December 2020, there were 600,053 vehicles registered at the National Land Transport Authority. This represents a net increase of 19,424 vehicles (3.3%) as compared to end of year 2019 when the number of registered vehicles was 580,629 (Table 1.1).

During the year 2020, the fleet was strengthened with the registration of 24,877 vehicles, of which 15,667 (63.0%) were new, 7,785 (31.3%) were imported second-hand and 1,425 (5.7%) were re-registered vehicles; i.e., those which had been previously put off the road. During the same period, some 5,453 vehicles were put off the road. The net addition to the existing fleet worked out to 19,424 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 December 2020, the fleet consisted of 53.3% (320,064) cars, double cab pickup and dual purpose vehicles and 37.0% (221,988) auto/motor cycles. The remaining 9.7% comprised vans (29,744), lorries and trucks (16,512), buses (3,101) and other vehicles (8,644). It is to be noted that, prior to year 2013, double cab pickup was included in dual purpose vehicles.

## **3. Vehicles used for transport of passengers**

### **3.1 *Cars, double cap pickup and dual purpose vehicles***

At the end of December 2020, the number of cars, double cab pickup and dual purpose vehicles was 320,064, a rise of 4.2% over the figure of 307,081 as at end of December 2019. This increase resulted from the registration of 15,460 such vehicles (7,744 new, 7,066 imported second-hand and 650 re-registered), partly offset by 2,477 vehicles that were put off the road (Table 1.1).

Table 1.3 shows the age distribution of cars, double cab pickup and dual purpose vehicles. At the end of December 2020, some 40.0% were less than 5 years, 31.5% between 5 and 9 years and the remaining 28.5%, 10 years and above.

### **3.2 *Buses***

At the end of December 2020, there were 3,101 registered buses. During 2020, some 20 new buses were registered while 6 buses were put off the road resulting in an increase of 14 buses.

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

At the end of 2020, there were 221,988 motor cycles and auto cycles. This represents a net increase of 5,125 (+2.4%) against 216,863 at the end of 2019 (Table 1.1).

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

The number of road traffic accidents registered during the year 2020 was 28,611 against 29,644 in the preceding year, showing a decrease of 3.5%. Among those accidents, in the majority, 25,525 (92.7%) there were no injury, 119 were fatal and 1,967 caused serious/slight injuries (Table 2.1).

Compared to 2019, fatal accidents, accidents causing casualties as well as those with no injury decreased by 8.5%, 23.8% and 1.4% respectively.

In 2020 the accident rate, expressed as the number of accidents per 100,000 mid-year population was 2,341 compared to 2,425 in 2019. The number of accidents per 1,000 mid-year registered motor vehicles works out to 49 against 52 in 2019.

The number of persons who died as a result of road accidents in 2020 went down by 9.0% compared to 2019. The fatality rate, expressed as the number of persons who died as a result of road accidents per 100,000 mid-year population, works out to 10.7, compared to 11.8 in 2019. Out of the 131 persons killed in road accidents during year 2020, the most vulnerable category of road users were riders/pillion riders of auto/motor cycles (65), followed by pedestrians (24), (Table 2.3).

It is to be noted that detailed road traffic accident statistics are compiled mostly from PF178 forms covering accidents causing casualty, obtained from the Police Department. Due to insufficient data from the Police Department since the second semester of 2019, it has not been possible to produce all tables that are usually included, in this issue of Economic and Social Indicators. These include seriousness of injury of casualties, type of vehicles and class of road users involved in accidents, and accidents involving 'hit and run' cases among others.

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## Explanatory Notes

### A. Vehicle Statistics

1. Data refer to all vehicles registered at the National Land 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 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 as a result of an accident is referred to as a fatality.

### **5. 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, crushing 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 in 2020**

Type of vehicle	No. of vehicles at 31.12.19	New vehicles	Imported second-hand vehicles	Re - registered vehicles <sup>2</sup>	Vehicles off the road <sup>3</sup>	No. of vehicles at 31.12.20	Net change 2020
Car	251,973	6,553	7,047	574	2,027	264,120	12,147
Dual purpose vehicle	48,025	0	8	2	127	47,908	- 117
Double cab pickup <sup>4</sup>	7,083	1,191	11	74	323	8,036	953
Heavy motor car	1,370	15	3	5	16	1,377	7
Motor cycle	99,111	5,370	8	597	1,497	103,589	4,478
Auto cycle	117,752	1,442	0	3	798	118,399	647
Lorry and truck	16,086	493	146	55	268	16,512	426
Van	29,125	439	402	78	300	29,744	619
Bus	3,087	20	0	0	6	3,101	14
Tractor and dumper	3,427	62	19	10	44	3,474	47
Prime mover	1,055	21	70	7	33	1,120	65
Trailer	2,085	51	71	20	9	2,218	133
Road roller	110	0	0	0	0	110	0
Other	340	10	0	0	5	345	5
<b>Total</b>	<b>580,629</b>	<b>15,667</b>	<b>7,785</b>	<b>1,425</b>	<b>5,453</b>	<b>600,053</b>	<b>19,424</b>

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

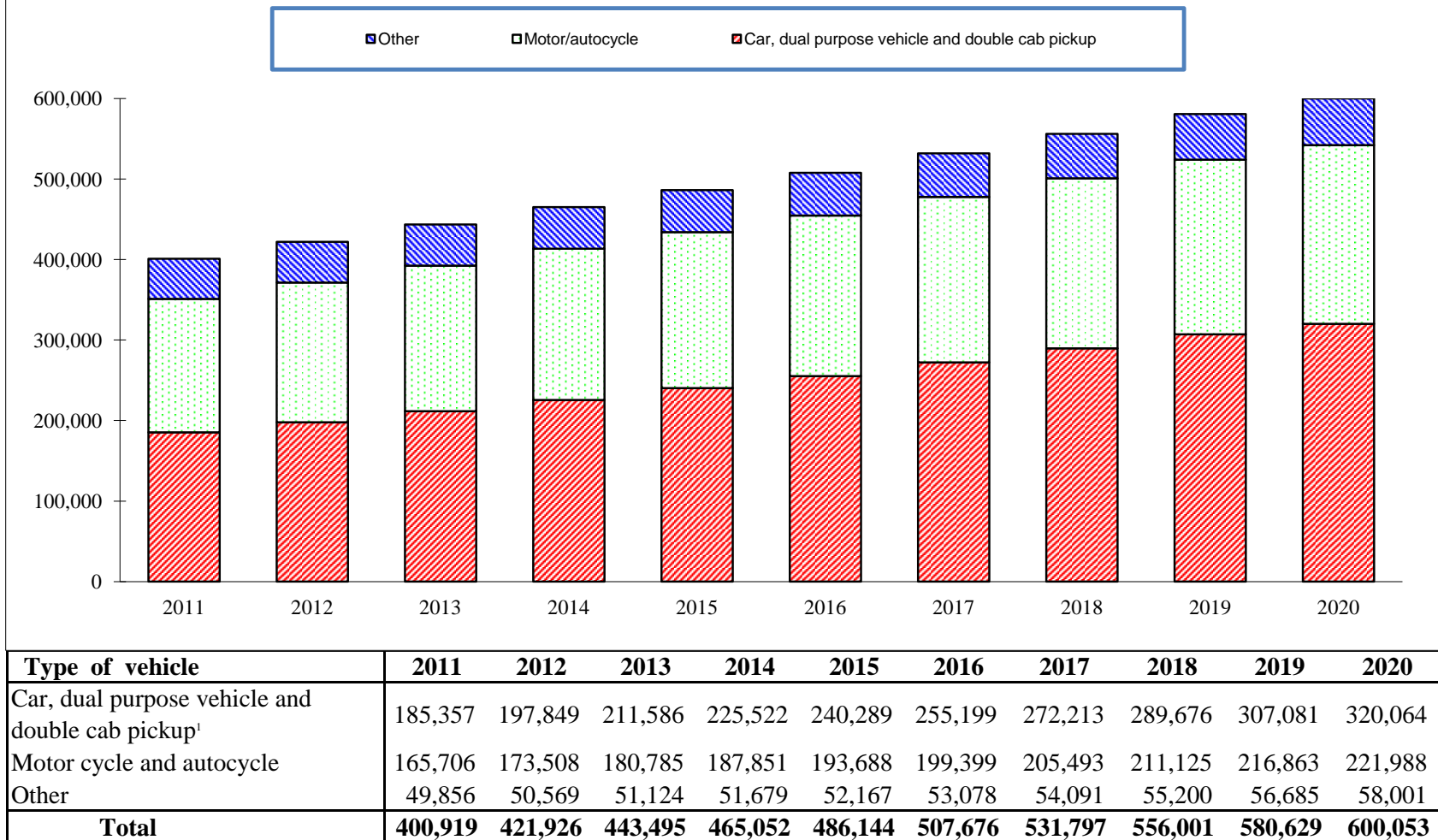
<sup>2</sup> Refers to re-registration of vehicles previously off the road.

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

<sup>4</sup> New category of vehicle defined in Road Traffic Act as amended by Act No. 27 of 2012.

Note: Prior to the year 2013 'Double cab pickup' was included in 'Dual purpose vehicle'

**Fig. 1.1 - Stock of registered vehicles, 2011 - 2020**



<sup>1</sup> New category of vehicle defined in Road Traffic Act as amended by Act No. 27 of 2012.

Note: Prior to the year 2013 'Double cab pickup' was included in 'Dual purpose vehicle'

**Table 1.2 - Vehicles<sup>1</sup> registered , 2011 - 2020**

Type of vehicle	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Car	136,225	147,733	160,701	173,954	188,299	202,696	218,976	235,598	251,973	264,120
<i>(of which taxi car)</i>	<i>(6,907)</i>	<i>(6,905)</i>	<i>(6,915)</i>	<i>(6,911)</i>	<i>(6,907)</i>	<i>(6,905)</i>	<i>(6,909)</i>	<i>(6,907)</i>	<i>(6,905)</i>	<i>(6,907)</i>
Dual purpose vehicle	49,132	50,116	49,730	49,503	49,301	48,961	48,603	48,200	48,025	47,908
Double cab pickup <sup>2</sup>	0	0	1,155	2,065	2,689	3,542	4,634	5,878	7,083	8,036
Heavy motor car	1,230	1,244	1,250	1,271	1,284	1,316	1,345	1,367	1,370	1,377
Motor cycle	53,410	59,637	65,827	72,067	77,603	82,746	88,360	93,636	99,111	103,589
Auto cycle	112,296	113,871	114,958	115,784	116,085	116,653	117,133	117,489	117,752	118,399
Lorry and truck	13,539	13,902	14,061	14,243	14,372	14,645	15,024	15,505	16,086	16,512
Van	26,090	26,293	26,624	26,890	27,229	27,656	28,121	28,506	29,125	29,744
Bus	2,912	2,957	2,963	3,006	2,980	3,107	3,101	3,086	3,087	3,101
Tractor and dumper	3,173	3,202	3,226	3,254	3,244	3,251	3,277	3,351	3,427	3,474
Prime mover	650	689	715	734	774	817	873	947	1,055	1,120
Trailer	1,834	1,845	1,846	1,842	1,850	1,853	1,913	1,999	2,085	2,218
Road roller	99	101	102	103	103	105	109	110	110	110
Other	329	336	337	336	331	328	328	329	340	345
<b>TOTAL</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>580,629</b>	<b>600,053</b>

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

<sup>2</sup> New category of vehicle defined in Road Traffic Act as amended by Act No. 27 of 2012.

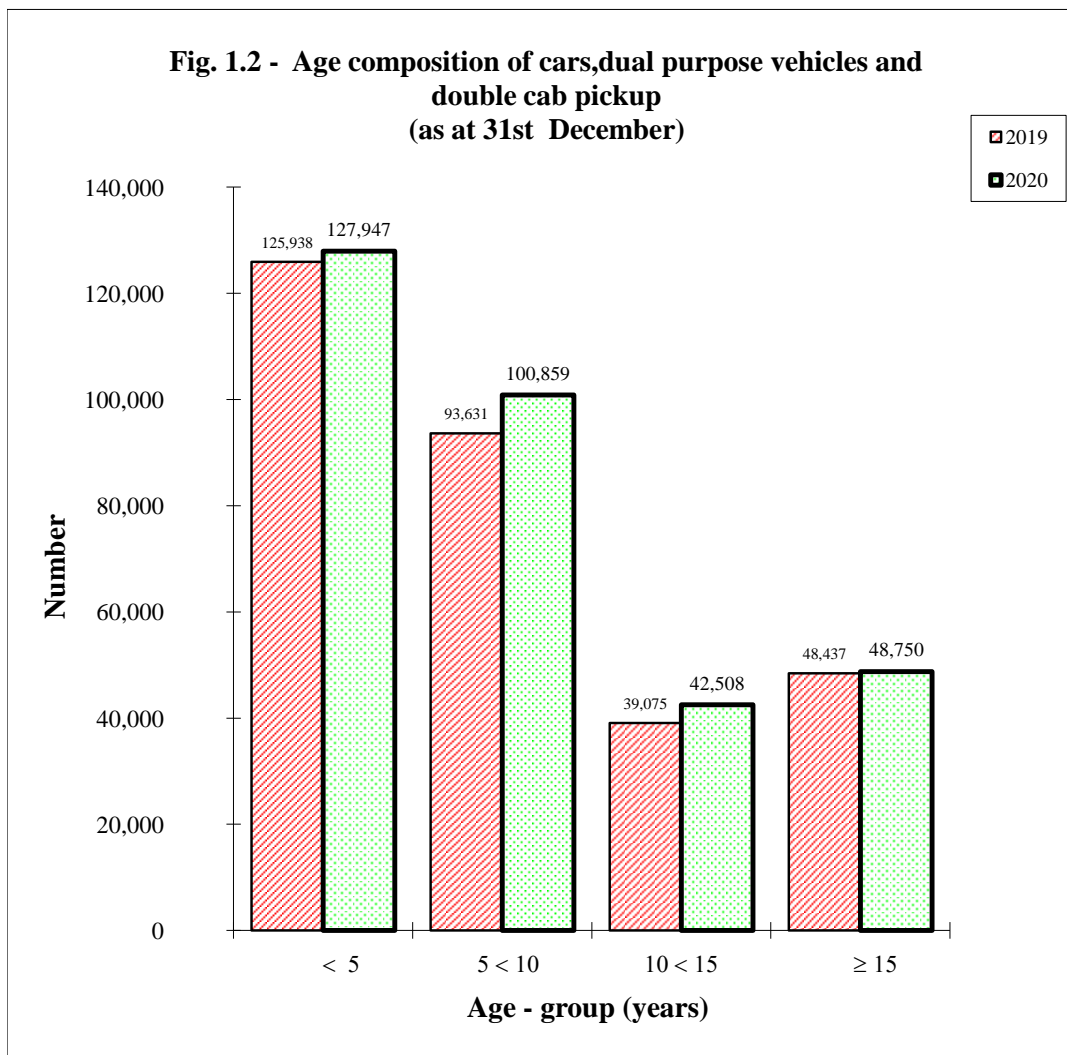
Note: Prior to the year 2013 'Double cab pickup' was included in 'Dual purpose vehicle'



**Table 1.3 - Age composition of cars, dual purpose vehicles and double cab pickup <sup>1</sup>, 2019 - 2020**

( as at 31st December )

Age group (Years)	2019		2020	
	Number	%	Number	%
< 5	125,938	41.0	127,947	40.0
5 < 10	93,631	30.5	100,859	31.5
10 < 15	39,075	12.7	42,508	13.3
≥ 15	48,437	15.8	48,750	15.2
<b>TOTAL</b>	<b>307,081</b>	<b>100.0</b>	<b>320,064</b>	<b>100.0</b>



<sup>1</sup> New category of vehicle defined in Road Traffic Act as amended by Act No. 27 of 2012.

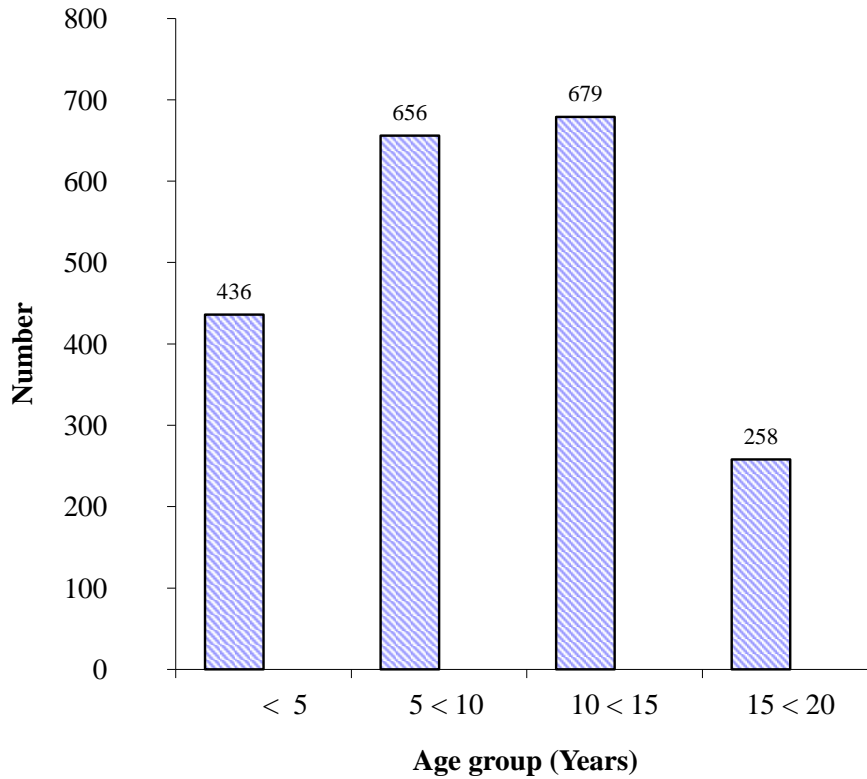
Note: Prior to the year 2013 'Double cab pickup' was included in 'Dual purpose vehicle'

**Table 1.4 - Age composition of operational bus fleet <sup>1</sup>, 2019 - 2020**

(as at 31st December)

Age group (Years)	2019		2020	
	Number	%	Number	%
< 5	436	21.5	n.a	n.a
5 < 10	656	32.3	n.a	n.a
10 < 15	679	33.5	n.a	n.a
15 < 20	258	12.7	n.a	n.a
<b>TOTAL</b>	<b>2,029</b>	<b>100.0</b>	<b>n.a</b>	<b>n.a</b>

<sup>1</sup> Refers only to buses with a Road Service License, i.e, buses which operate on proclaimed routes and charge individual fares

**Fig. 1.3 - Age composition of operational bus fleet vehicles, 2019**  
(as at 31st December)

**Table 2.1 - Road traffic accidents<sup>1</sup>, 2019 - 2020**

	2019 <sup>3</sup>	2020	Change	
			Number	%
<b>1. Road traffic accidents</b>	<b>29,644</b>	<b>28,611</b>	<b>-1,033</b>	<b>-3.5</b>
Number of accidents causing casualties	2,739	2,086	-653	-23.8
<i>Fatal accident</i> <sup>2</sup>	130	119	-11	-8.5
<i>Serious injury accident</i>	498	<i>n.a</i>	<i>n.a</i>	<i>n.a</i>
<i>Slight injury accident</i>	2,111	<i>n.a</i>	<i>n.a</i>	<i>n.a</i>
Non injury accident	26,905	26,525	-380	-1.4
Rate per 100,000 population	2,425	2,342	-83	-3.4
Rate per 1,000 registered motor vehicles	52	49	-3.0	-5.8
<b>2. Vehicles involved in road accidents</b>	<b>58,267</b>	<b><i>n.a</i></b>	<b><i>n.a</i></b>	<b><i>n.a</i></b>
of which				
<i>Motor Vehicles</i>	58,128	<i>n.a</i>	<i>n.a</i>	<i>n.a</i>
Rate per 1,000 registered motor vehicles	102	<i>n.a</i>	<i>n.a</i>	<i>n.a</i>
Number of motor vehicles involved in accidents causing casualties	4,280	<i>n.a</i>	<i>n.a</i>	<i>n.a</i>
<b>3. Casualties</b>	<b>3,484</b>	<b><i>n.a</i></b>	<b><i>n.a</i></b>	<b><i>n.a</i></b>
<i>Fatal</i> <sup>2</sup>	144	131	-13.0	-9.0
<i>Seriously injured</i>	430	<i>n.a</i>	<i>n.a</i>	<i>n.a</i>
<i>Slightly injured</i>	1,935	<i>n.a</i>	<i>n.a</i>	<i>n.a</i>

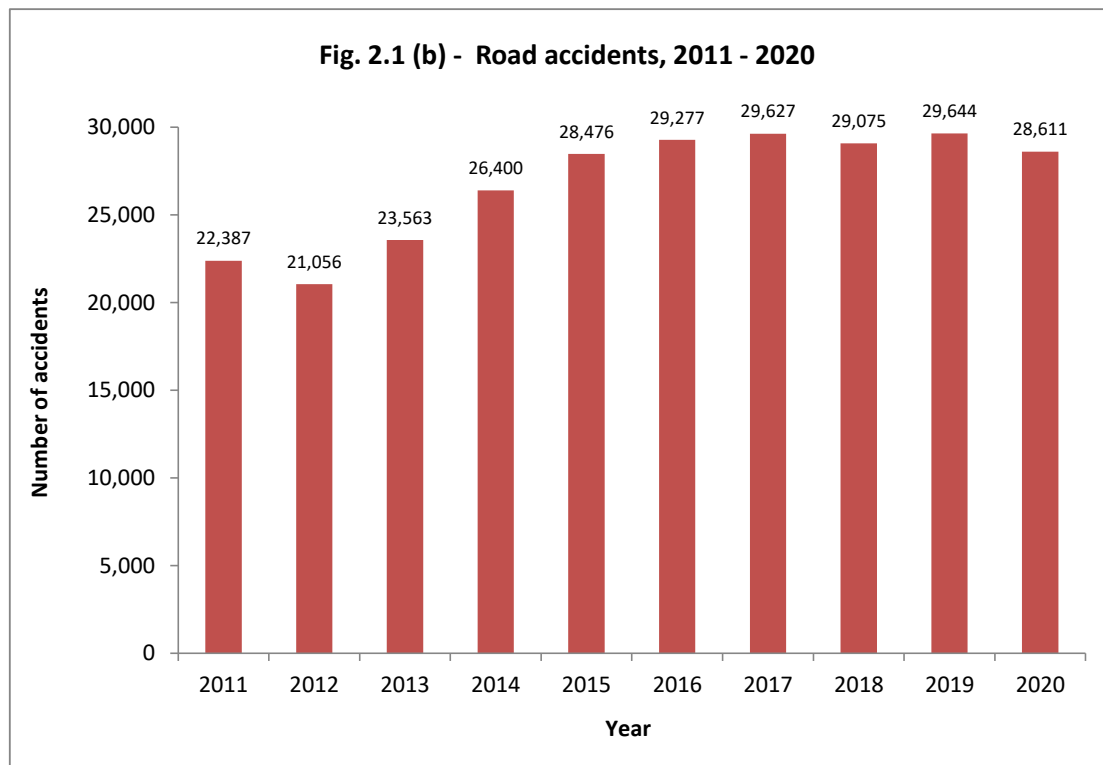
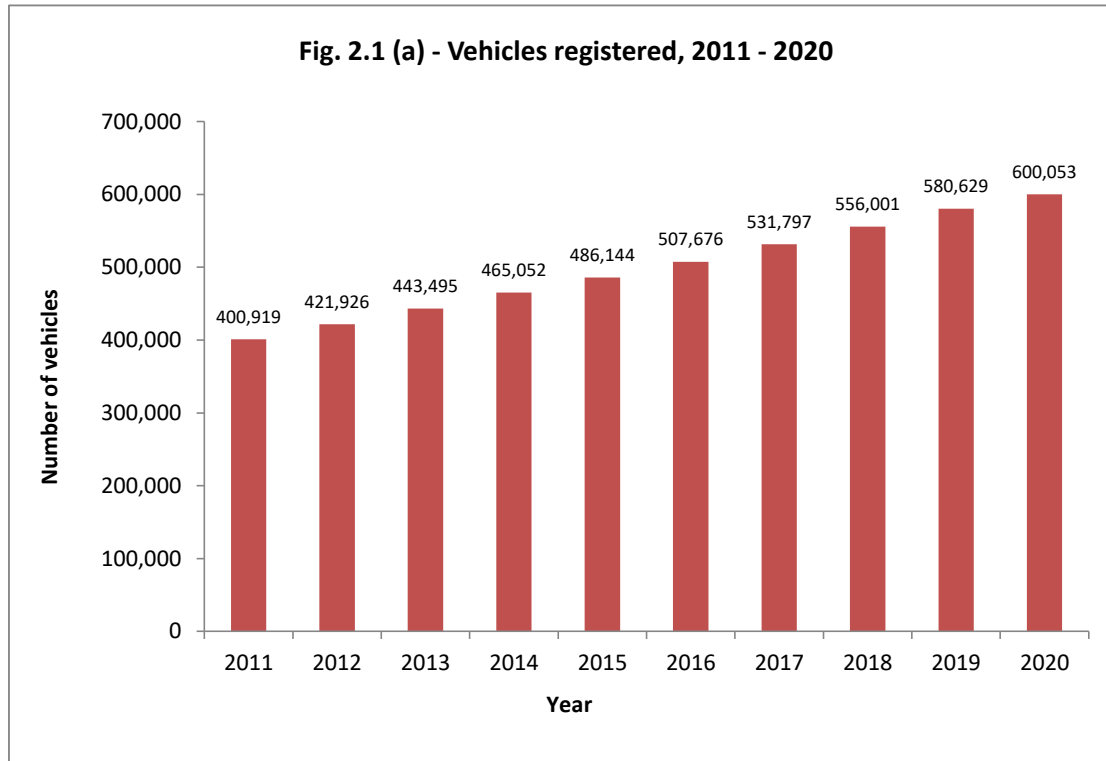
<sup>1</sup> Exclude accidents involving bicycles only or bicycle and pedestrian

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

<sup>3</sup> Revised                      <sup>3</sup> Provisional

n.a: not available

Napp : Not applicable



**Table 2.2 - Road traffic accidents<sup>1</sup> and casualties, 2011 - 2020**

	2011	2012	2013	2014	2015	2016	2017	2018	2019 <sup>3</sup>	2020 <sup>4</sup>
<b>1. Road traffic accidents :</b>										
Number	22,387	21,056	23,563	26,400	28,476	29,277	29,627	29,075	29,644	28,611
Rate per 100,000 population	1,847	1,733	1,936	2,165	2,333	2,397	2,425	2,379	2,425	2,086
Rate per 1,000 registered motor vehicles	57	51	55	58	60	59	57	54	52	49
<b>2. Motor vehicle involved :</b>										
Number	41,294	40,759	41,888	51,264	55,617	57,335	58,178	56,962	58,267	n.a
Rate per 1,000 registered motor vehicles	105	99	97	113	117	116	112	105	102	n.a
<b>3. Casualties :</b>										
Total number of casualties	3,422	3,653	3,610	3,592	3,722	3,862	4,209	3,718	3,484	n.a
of which										
<i>Fatal</i>	152	156	136	137	139	144	157	143	144	131
<i>Seriously injured</i>	487	549	465	505	530	512	560	597	n.a	n.a
<i>Slightly injured</i>	2,783	2,948	3,009	2,950	3,053	3,206	3,492	2,978	n.a	n.a
<b>4. Fatality :</b>										
Rate per 100,000 population	12.5	12.8	11.2	11.2	11.4	11.8	12.8	11.7	11.8	10.7
Rate per 1,000 registered motor vehicles	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2
Fatality index <sup>2</sup>	4.4	4.3	3.8	3.8	3.7	3.7	3.7	3.8	3.9	n.a

<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.

<sup>3</sup> Revised

n.a: not available

**Table 2.3 - Number of fatalities by category of road users and age-group, 2020**

<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 auto/motor cycles</b>	<b>Total</b>
<b>Under 5</b>	0	0	1	0	0	<b>1</b>
<b>5 - 14</b>	0	0	1	0	0	<b>1</b>
<b>15 - 29</b>	0	8	7	0	30	<b>45</b>
<b>30 - 44</b>	0	6	4	3	20	<b>33</b>
<b>45 - 59</b>	4	3	2	10	8	<b>27</b>
<b>60 - 69</b>	2	2	1	9	5	<b>19</b>
<b>Over 69</b>	0	0	1	2	2	<b>5</b>
<b>All ages</b>	<b>6</b>	<b>19</b>	<b>17</b>	<b>24</b>	<b>65</b>	<b>131</b>