

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

Year 2021

1. Vehicles registered in 2021

At the end of December 2021, there were 622,988 vehicles registered at the National Land Transport Authority. This represents a net increase of 22,935 vehicles (+3.8%) as compared to end of year 2020 when the number of registered vehicles was 600,053 (Table 1.1).

During the year 2021, the fleet was strengthened with the registration of 29,478 vehicles, of which 16,028 (54.4%) were new, 8,918 (30.2%) were imported second-hand and 4,532 (15.4%) were re-registered vehicles; i.e., those which had been previously put off the road. During the same period, some 6,543 vehicles were put off the road. The net addition to the existing fleet worked out to 22,935 vehicles (Table 1.1).

2. Composition of fleet

A breakdown of the fleet by type of vehicle over the last ten years (2012 to 2021) is given in Table 1.2. At the end of December 2021, the fleet consisted of 53.6% (334,104) cars, double cab pickups and dual purpose vehicles and 36.8% (229,563) auto/motor cycles. The remaining 9.5% comprised vans (30,323), lorries and trucks (17,040), buses (3,151) and other vehicles (8,807). It is to be noted that, prior to year 2013, double cab pickups were included in dual purpose vehicles.

3. Vehicles used for transport of passengers

3.1 *Cars, double cap pickups and dual purpose vehicles*

At the end of December 2021, the number of cars, double cab pickups and dual purpose vehicles was 334,104, a rise of 4.4% over the figure of 320,064 as at end of December 2020. This increase resulted from the registration of 17,740 such vehicles (8,717 new, 6,450 imported second-hand and 2,573 re-registered), partly offset by 3,700 vehicles that were put off the road (Table 1.1).

Table 1.3 shows the age distribution of cars, double cab pickups and dual purpose vehicles. At the end of December 2021, some 19.9% were less than 5 years, 23.1% between 5 and 9 years and the remaining 57.0%, 10 years and above.

3.2 *Buses*

At the end of December 2021, there were 3,151 registered buses. In 2021, some 52 new buses were registered while 2 buses were put off the road resulting in an increase of 50 buses.

4. Motor cycles and auto cycles

At the end of December 2021, there were 229,563 motor cycles and auto cycles. This represents a net increase of 7,575 (+3.4%) against 221,988 at the end of December 2020 (Table 1.1).

5. Road traffic accidents

The number of road traffic accidents registered during the year 2021 was 28,272 against 28,611 in the preceding year, showing a decrease of 1.2%. Among those accidents, in the majority, 26,434 (93.5%) there were no injury, 104 were fatal and 1,734 caused serious/slight injuries (Table 2.1).

Compared to 2020, fatal accidents, accidents causing casualties as well as those with no injury decreased by 12.6%, 11.9% and 0.3% respectively.

In 2021, the accident rate, expressed as the number of accidents per 100,000 mid-year population, was 2,314 compared to 2,341 in 2020. The number of accidents per 1,000 mid-year registered motor vehicles was 46 against 49 in 2020.

The number of persons who died as a result of road accidents in 2021 went down by 17.6% compared to 2020. The fatality rate, expressed as the number of persons who died as a result of road accidents per 100,000 mid-year population, decreased to 8.8, compared to 10.7 in 2020 (Table 2.2). Out of the 108 persons killed in road accidents during year 2021, the most vulnerable category of road users were riders/pillion riders of auto/motor cycles (64), followed by pedestrians (22), (Table 2.3).

It is to be noted that details on injury road traffic accident statistics are compiled from PF178 forms, obtained from the Police Department. Due to insufficient data from the Police Department in 2021, it has not been possible to produce some tables in this issue of the Economic and Social Indicators. These tables include severity 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 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.

(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 - Vehicles¹ registered in 2021

Type of vehicle	No. of vehicles at 31.12.20	New vehicles	Imported second-hand vehicles	Re - registered vehicles ²	Vehicles off the road ³	No. of vehicles at 31.12.21	Net change 2021
Car	264,120	7,468	6,425	2,096	3,043	277,066	12,946
Dual purpose vehicle	47,908	1	8	395	478	47,834	- 74
Double cab pickup ⁴	8,036	1,248	17	82	179	9,204	1,168
Heavy motor car	1,377	10	1	22	30	1,380	3
Motor cycle	103,589	4,777	15	1,357	2,013	107,725	4,136
Auto cycle	118,399	1,602	1,870	1	34	121,838	3,439
Lorry and truck	16,512	412	186	252	322	17,040	528
Van	29,744	357	314	279	371	30,323	579
Bus	3,101	50	2	0	2	3,151	50
Tractor and dumper	3,474	76	14	40	61	3,543	69
Prime mover	1,120	13	21	8	10	1,152	32
Trailer	2,218	14	45	0	0	2,277	59
Road roller	110	0	0	0	0	110	0
Other	345	0	0	0	0	345	0
Total	600,053	16,028	8,918	4,532	6,543	622,988	22,935

¹ Excluding pedal cycles, but including government vehicles.

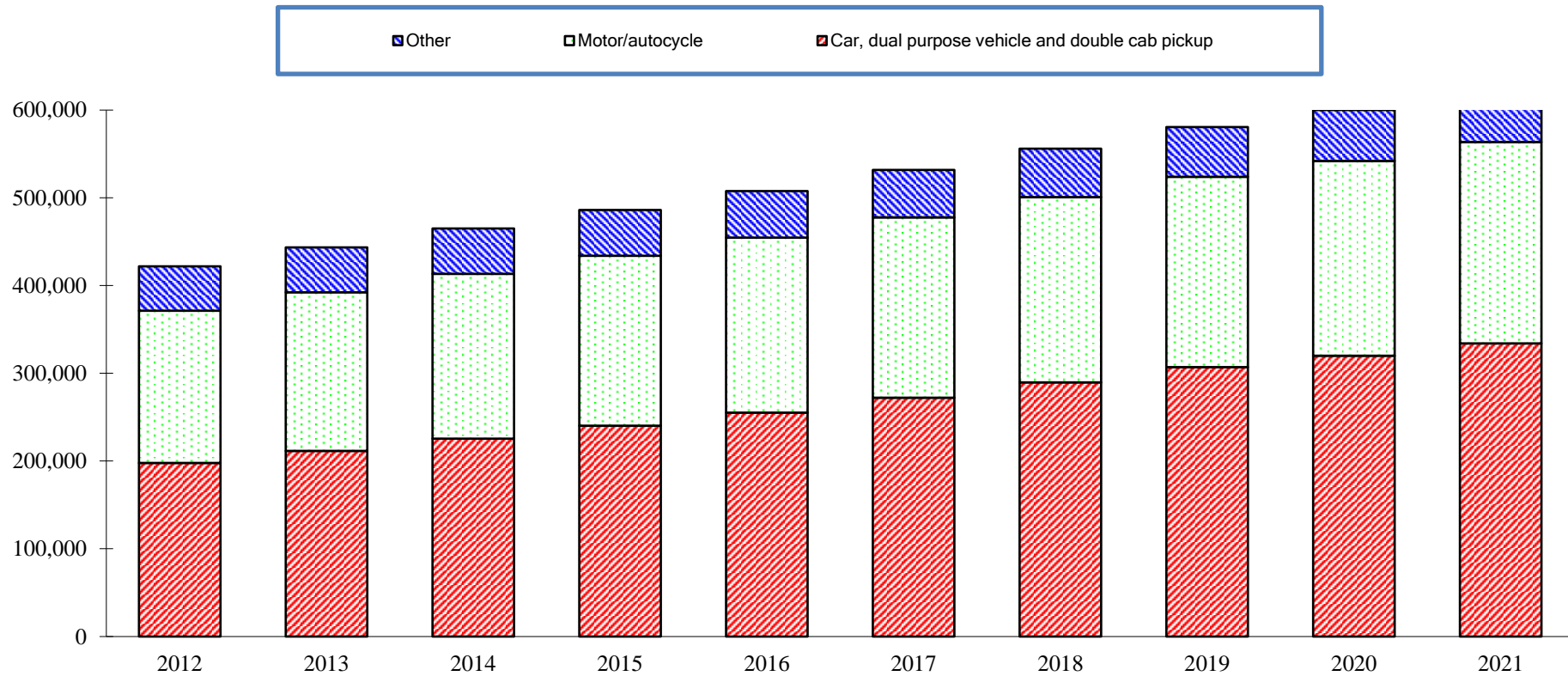
² Refers to re-registration of vehicles previously off the road.

³ Unlicensed either temporarily or permanently.

⁴ 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, 2012 - 2021



Type of vehicle	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Car, dual purpose vehicle and double cab pickup ¹	197,849	211,586	225,522	240,289	255,199	272,213	289,676	307,081	320,064	334,104
Motor cycle and autocycle	173,508	180,785	187,851	193,688	199,399	205,493	211,125	216,863	221,988	229,563
Other	50,569	51,124	51,679	52,167	53,078	54,091	55,200	56,685	58,001	59,321
Total	421,926	443,495	465,052	486,144	507,676	531,797	556,001	580,629	600,053	622,988

¹ 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 - Vehicles¹ registered , 2012 - 2021

Type of vehicle	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Car	147,733	160,701	173,954	188,299	202,696	218,976	235,598	251,973	264,120	277,066
<i>(of which taxi car)</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>	<i>(6,907)</i>
Dual purpose vehicle	50,116	49,730	49,503	49,301	48,961	48,603	48,200	48,025	47,908	47,834
Double cab pickup ²	0	1,155	2,065	2,689	3,542	4,634	5,878	7,083	8,036	9,204
Heavy motor car	1,244	1,250	1,271	1,284	1,316	1,345	1,367	1,370	1,377	1,380
Motor cycle	59,637	65,827	72,067	77,603	82,746	88,360	93,636	99,111	103,589	107,725
Auto cycle	113,871	114,958	115,784	116,085	116,653	117,133	117,489	117,752	118,399	121,838
Lorry and truck	13,902	14,061	14,243	14,372	14,645	15,024	15,505	16,086	16,512	17,040
Van	26,293	26,624	26,890	27,229	27,656	28,121	28,506	29,125	29,744	30,323
Bus	2,957	2,963	3,006	2,980	3,107	3,101	3,086	3,087	3,101	3,151
Tractor and dumper	3,202	3,226	3,254	3,244	3,251	3,277	3,351	3,427	3,474	3,543
Prime mover	689	715	734	774	817	873	947	1,055	1,120	1,152
Trailer	1,845	1,846	1,842	1,850	1,853	1,913	1,999	2,085	2,218	2,277
Road roller	101	102	103	103	105	109	110	110	110	110
Other	336	337	336	331	328	328	329	340	345	345
TOTAL	421,926	443,495	465,052	486,144	507,676	531,797	556,001	580,629	600,053	622,988

¹ Excluding pedal cycles, but including government vehicles.

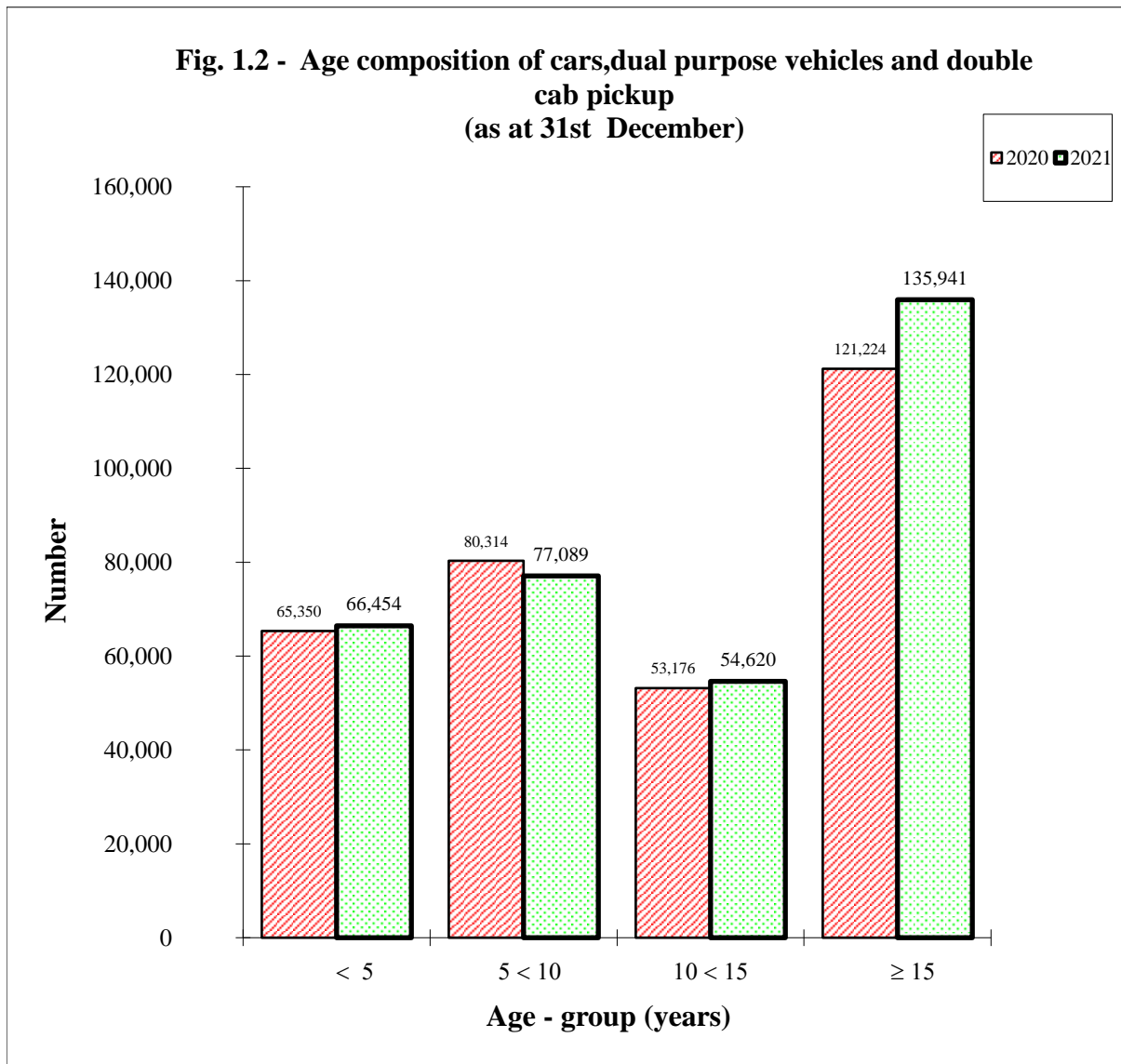
² New category of vehicle defined in Road Traffic Act as amended by Act No. 27 of 2012.

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 ¹, 2020 - 2021

(as at 31st December)

Age group (Years)	2020		2021	
	Number	%	Number	%
< 5	65,350	20.4	66,454	19.9
5 < 10	80,314	25.1	77,089	23.1
10 < 15	53,176	16.6	54,620	16.3
≥ 15	121,224	37.9	135,941	40.7
TOTAL	320,064	100.0	334,104	100.0



¹ 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 ¹, 2020 - 2021

(as at 31st December)

Age group (Years)	2020		2021	
	Number	%	Number	%
< 5	405	20.6	236	12.0
5 < 10	570	29.1	654	33.2
10 < 15	642	32.7	669	34.0
15 < 20	345	17.6	409	20.8
TOTAL	1,962	100.0	1,968	100.0

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

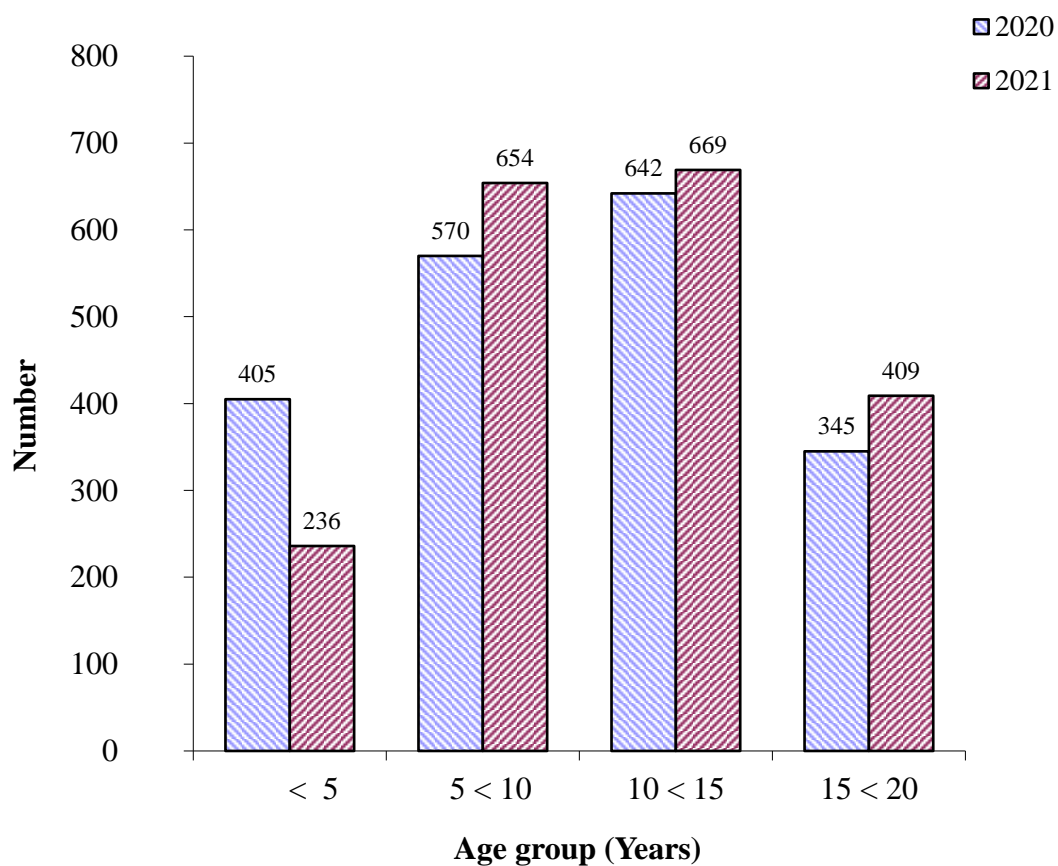
Fig. 1.3 - Age composition of operational bus fleet vehicles, 2020 and 2021 (as at 31st December)

Table 2.1 - Road traffic accidents¹, 2020 - 2021

	2020 ³	2021 ⁴	Change	
			Number	%
1. Road traffic accidents	28,611	28,272	-339	-1.2
Number of accidents causing casualties	2,086	1,838	-248	-11.9
<i>Fatal accident²</i>	119	104	-15	-12.6
<i>Serious injury accident</i>	438	<i>n.a</i>	<i>n.a</i>	<i>n.a</i>
<i>Slight injury accident</i>	1,529	<i>n.a</i>	<i>n.a</i>	<i>n.a</i>
Non injury accident	26,525	26,434	-91	-0.3
Rate per 100,000 population	2,341	2,314	-27	-1.2
Rate per 1,000 registered motor vehicles	49	46	-3.0	-6.1
2. Vehicles involved in road accidents	56,627	<i>n.a</i>	<i>n.a</i>	<i>n.a</i>
of which				
<i>Motor Vehicles</i>	56,449	<i>n.a</i>	<i>n.a</i>	<i>n.a</i>
Rate per 1,000 registered motor vehicles	96	<i>n.a</i>	<i>n.a</i>	<i>n.a</i>
Number of motor vehicles involved in accidents causing casualties	3,578	<i>n.a</i>	<i>n.a</i>	<i>n.a</i>
3. Casualties	2,802	<i>n.a</i>	<i>n.a</i>	<i>n.a</i>
<i>Fatal²</i>	131	108	-23.0	-17.6
<i>Seriously injured</i>	532	<i>n.a</i>	<i>n.a</i>	<i>n.a</i>
<i>Slightly injured</i>	2,139	<i>n.a</i>	<i>n.a</i>	<i>n.a</i>

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

n.a: not available

Napp : Not applicable

Table 2.2 - Road traffic accidents¹ and casualties, 2012 - 2021

	2012	2013	2014	2015	2016	2017	2018	2019	2020 ³	2021 ⁴
1. Road traffic accidents :										
Number	21,056	23,563	26,400	28,476	29,277	29,627	29,075	29,644	28,611	28,272
Rate per 100,000 population	1,733	1,936	2,165	2,333	2,397	2,425	2,379	2,425	2,341	2,314
Rate per 1,000 registered motor vehicles	51	55	58	60	59	57	54	52	49	46
2. Motor vehicle involved :										
Number	40,759	41,888	51,264	55,617	57,335	58,178	56,962	58,267	56,627	n.a
Rate per 1,000 registered motor vehicles	99	97	113	117	116	112	105	102	96	n.a
3. Casualties :										
Total number of casualties of which	3,653	3,610	3,592	3,722	3,862	4,209	3,718	3,559	2,802	n.a
<i>Fatal</i>	156	136	137	139	144	157	143	144	131	108
<i>Seriously injured</i>	549	465	505	530	512	560	597	523	532	n.a
<i>Slightly injured</i>	2,948	3,009	2,950	3,053	3,206	3,492	2,978	2,892	2,139	n.a
4. Fatality :										
Rate per 100,000 population	12.8	11.2	11.2	11.4	11.8	12.8	11.7	11.8	10.7	8.8
Rate per 1,000 registered motor vehicles	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2
Fatality index ²	4.3	3.8	3.8	3.7	3.7	3.7	3.8	3.9	4.7	3.7

¹ Exclude accidents involving bicycles only or bicycle and pedestrian.

² Fatality index is the number of fatalities per 100 casualties.

³ Revised ⁴ Provisional

n.a: not available

Table 2.3 - Number of fatalities by category of road users and age-group, 2021

Category of road users Age - group (years)	Cyclists	Drivers of four wheeled vehicles	Passengers of four wheeled vehicles	Pedestrians	Riders / pillion riders of auto/motor cycles	Total
Under 5	0	0	0	0	0	0
5 - 14	0	0	0	0	1	1
15 - 29	0	8	5	3	26	42
30 - 44	0	0	3	2	20	25
45 - 59	2	0	2	4	9	17
60 - 69	0	0	0	6	4	10
Over 69	0	1	1	7	4	13
All ages	2	9	11	22	64	108