

# Statistics on characteristics of road vehicles

## Year 2021 \*

**Tiranë, 14 October 2022:** The publication "Statistics on characteristics of road vehicles", refer to the number of road vehicles circulating in the Republic of Albania registered with the status "active" or "temporarily deregistered" in the Albanian National Register of road vehicles. In the year 2021, the total number of road vehicles with the status of "Active" and "Temporarily deregistered" is 740,669 vehicles, from 676,811 vehicles registered till 2020, increasing by 9.4 %.

### Road vehicles by type

Road vehicles according to the type that occupy the largest percentage of the total number of road vehicles are "Passenger cars" (80.1%), "Mixed transport vehicles" (6.7%) and "Motor vehicles" (5.1%), (Tab.1).

In 2021, the number of passenger cars per 1,000 inhabitants is 212 compared to 190 in 2020, increasing by 11%.

**Tab. 1 Road vehicles by type, 2020-2021**

Type	2020	2021	2021/2020 %
<b>Total</b>	<b>676,811</b>	<b>740,669</b>	9.4
Passenger cars	539,497	593,280	10.0
Mixed transport vehicles	46,844	49,596	5.9
Motor vehicles	33,899	37,931	11.9
Truck	13,819	14,404	4.2
Buses	7,627	7,867	3.1
Special transport vehicles	6,860	7,411	8.0
Cyclomotor	6,661	6,436	-3.4
Semi-trailer	6,361	6,759	6.3
Towing vehicles	4,763	5,138	7.9
Special purpose vehicles	3,755	3,977	5.9
Agricultural vehicles	1,743	1,673	-4.0
Trailer for freight transport	1,527	1,659	8.6
Technological vehicles	874	819	-6.3
Three-wheeler	819	808	-1.3
Trailer for special transport	598	681	13.9
Other Category	1,164	2,230	91.6

**Source:** General Directorate of Road Transport Services, calculations by INSTAT

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Number of passenger cars until December 2021, increased by 10.0 % compared with 2020, followed by Mixed transport vehicles which has increased by 5.9 % compared to 2020.

### Road vehicles by prefecture

The highest number of road vehicles in 2021 are registered in prefecture of Tirana, accounting 35.0 % of the total road vehicles registered in country.

Tab.2 Road vehicles by prefecture, 2021

Prefecture	Road vehicle	Passenger cars	Bus	Truck
<b>Albania</b>	<b>740,669</b>	<b>593,280</b>	<b>7,867</b>	<b>14,404</b>
Berat	30,329	21,969	381	776
Dibër	20,093	17,030	294	552
Durrës	98,020	80,241	1,016	1,672
Elbasan	51,042	40,462	605	1,116
Fier	68,984	54,290	655	1,453
Gjirokastrë	16,760	13,213	209	539
Korçë	37,153	29,520	413	942
Kukës	16,898	14,516	178	461
Lezhë	36,672	30,282	372	773
Shkodër	53,538	42,493	537	937
Tiranë	259,089	208,000	2,593	4,212
Vlorë	52,091	41,264	614	971

**Source:** General Directorate of Road Transport Services, calculations by INSTAT

The prefecture with the lowest number of road vehicles is Gjirokastrë accounting 2.2 % of the total road vehicles.

### Road vehicles by gearbox

"Manual" gearbox cars occupy the largest share of total vehicles resulting in "active" or "temporarily deregistered" status accounting 62.6% in 2021.

Tab.3 Road vehicles by gearbox, 2021

Type of gearbox	Passenger cars	Bus	Truck
Manual	371,643	6,497	13,564
Automatic	215,416	1,244	636
Semi-Automatic	5,480	105	105
Unspecified	741	21	99

**Source:** General Directorate of Road Transport Services, calculations by INSTAT

## Road vehicles by year of production

The number of vehicles registered until December 2021, with year of production "2011-2021" increased by 32.7 %, the group "2000-2010" increased by 11.3 %, while the group of vehicles with year "before 2000" decreased by 1.2 %.

**Tab. 4 Passenger cars by year of production, 2020-2021**

Year of production	2020	2021	2021/2020 %
<2000	138,979	137,250	-1.2
2000-2010	353,380	393,477	11.3
2011-2021	47,138	62,553	32.7

**Source:** General Directorate of Road Transport Services, calculations by INSTAT

At a more detailed level, until December 2021, vehicles aged 11-20 years constitute 54.2 % of the total number of vehicles with "active" or "temporarily deregistered" status.

**Tab. 5 Road vehicles by age, 2021**

Age	Passenger cars	Bus	Truck
0-2 years	3,992	7	41
3-5 years	11,423	55	170
6-10 years	34,560	267	285
11-20 years	321,337	3,299	3,200
> 20 years	221,968	4,239	10,708

**Source:** General Directorate of Road Transport Services, calculations by INSTAT

## Road vehicles by brand

Among the main brands of passenger cars circulating in the country, dominate the Mercedes Benz brand (18.2 %), followed by Volkswagen (17.5 %) and Daimler Chrysler (10.9 %).

**Tab.6 Road vehicles by brand, 2021**

Brand	Passenger cars	Brand	Bus	Brand	Truck
MERCEDES BENZ	107,913	MERCEDES BENZ	3,447	MERCEDES BENZ	7,411
VOLKSWAGEN	103,905	DAIMLER CHRYSLER	647	MAN	1,482
DAIMLER CHRYSLER	64,658	FORD	445	DAIMLER CHRYSLER	957
FORD	57,888	IVECO FIAT	399	IVECO FIAT	803
OPEL	31,697	MAN	299	IVECO MAGIRUS	664
AUDI	32,303	RENAULT	260	VOLVO	549
FIAT	23,326	SETRA	230	DAIMLER BENZ	507
TOYOTA	26,160	VOLKSWAGEN	219	SCANIA	323
BMW	19,825	IVECO	233	DAF	292
RENAULT	16,347	SCANIA	188	RENAULT	270
OTHER BRANDS	109,258	OTHER BRANDS	1,500	OTHER BRANDS	1,146

**Source:** General Directorate of Road Transport Services, calculations by INSTAT

Until December 2021, the brand "Mercedes Benz" is registered as the most used car brand registered with the year of production before 2000 and the years 2011-2021. The Volkswagen brand is registered as the most widespread car brand with a production year of 2000-2010.

**Tab.7 Passenger cars by brand and year of production, 2021**

<2000	%	2000-2010	%	2011-2021	%
MERCEDES BENZ	35.3	VOLKSWAGEN	17.8	MERCEDES BENZ	21.3
VOLKSWAGEN	17.5	DAIMLER CHRYSLER	14.9	VOLKSWAGEN	15.5
FORD	7.5	MERCEDES BENZ	11.7	AUDI	8.7
OPEL	5.7	FORD	11.1	FORD	6.5
DAIMLER CHRYSLER	4.4	OPEL	5.7	HYUNDAI	6.3
AUDI	4.0	AUDI	5.4	SKODA	4.9
FIAT	3.8	TOYOTA	5.6	BMW	5.0
RENAULT	3.0	FIAT	4.1	LAND ROVER	4.3
DAIMLER BENZ	2.8	BMW	3.4	TOYOTA	3.3
BMW	2.3	RENAULT	2.9	FIAT	3.1
OTHER BRANDS	13.7	OTHER BRANDS	17.4	OTHER BRANDS	21.1

**Source:** General Directorate of Road Transport Services, calculations by INSTAT

### Passenger cars by energy

The largest number of vehicles circulating in our country until 2021, use the fuel "Diesel" occupying 73.6% from 73.5 % until 2020, followed by vehicles that use the fuel "Petrol" with 17,3 % to the total number of vehicles from 18.2 % that this group occupied until 2020.

The number of vehicles that use the fuel "Diesel" in 2021, increased by 10.1% compared to 2020. The number of vehicles that use the fuel "Petrol" increased by 4.1% compared to 2020.

**Tab. 8 Passenger cars by energy, 2020 - 2021**

Indicator	Passenger cars 2020	Passenger cars 2021	2021/2020 %
Diesel	396,790	436,756	10.1
Petrol	98,380	102,432	4.1
Petrol + Gas	43,022	51,776	20.3
Petrol + Electric	552	901	63.2
Electric	362	624	72.4
Gas	219	339	54.8
Diesel + Electric	95	246	158.9
Other hybrid	77	206	167.5

**Source:** General Directorate of Road Transport Services, calculations by INSTAT

The number of registered buses until December 2021, which have used the fuel "Diesel" increased by 2.8% compared to 2020.

**Tab.9 Buses by source of energy, 2020 - 2021**

Source of energy	Buses 2020	Buses 2021	2021/2020 %
<b>Total buses</b>	<b>7,627</b>	<b>7,867</b>	<b>3.1</b>
Diesel	7,602	7,812	2.8
Petrol	6	6	0.0
Petrol + Gas	8	16	100.0
Diesel + Electric	0	22	-
Gas	11	11	0.0

**Source:** General Directorate of Road Transport Services, calculations by INSTAT

### Passenger cars by engine size

The number of vehicles registered until December 2021 according to engine volume >3000 increased by 10.9%, with engine volume <= 2000 cc has increased by 10.0% and with engine volume 2001-3000 has increased by 9.8% compared to the same period year 2020.

**Tab.10 Passenger cars by engine size, 2020 – 2021**

Engine size	2020	2021	2021/2020 %
<=2000	362,547	398,785	10.0
2001-3000	163,248	179,297	9.8
>3000	13,702	15,198	10.9

**Source:** General Directorate of Road Transport Services, calculations by INSTAT

The most widespread volume of cars with "Diesel" is 1400cc-1999cc accounting for 53.4% of the total with diesel fuel. The most widespread volume of cars with "Gasoline" is below 1399 cc, accounting for 61.4% of all cars with gasoline fuel.

**Tab.11 Passenger cars by energy source and engine size, 2021**

Engine size	Passenger cars using Diesel	Passenger cars using Petrol
<b>Total Passenger cars</b>	<b>436,756</b>	<b>102,432</b>
>1399cc	29,964	62,915
1400cc-1999cc	233,286	28,710
>2000cc	173,506	10,807

**Source:** General Directorate of Road Transport Services, calculations by INSTAT

# Methodology

The purpose of this publication is to present indicators on the characteristics of road transport vehicles at the most detailed level such as: road vehicles by type, cars by brand, cars by year of production, cars by fuel and cars by engine size.

In the detailing of vehicles by fuel, in the group "other hybrids" are included the categories "Gasoline + Gas + Electric", "Gasoline + Electric + Hybrid", "Oil + Gas", "Oil + Electric + Hybrid".

## Definitions

**Mixed transport vehicles (ATP)** - includes vehicles that have a total full load weight not exceeding 3.5 tons, or 4.5 tones when there is battery traction; are intended for the transport of people and goods with a maximum capacity of nine seats, including the driver's seat.

**Special purpose vehicles (APV)** - vehicles permanently equipped with special mechanisms and generally intended for the transport of these mechanisms; on these vehicles is allowed the transport of personnel and materials related to the operational cycle of these mechanisms, as well as the transport of people and goods related to the destination of use of these mechanisms.

**Special transport vehicles (ATV)** - means of transport intended for the transport of certain goods or people under special conditions and is characterized by the equipment jointly, with special mechanisms that serve this purpose.

**Special road vehicles (MRV)** - special road vehicle for their special characteristics defined as such in the Road Code.

**CC-** the unit of measurement of the motor volume of road vehicles expressed in centimeters in cubic.

**Passenger Car** - motor vehicle of road transport intended for passenger transport, in which the number of seats (including the driver) does not exceed the number 9.

**Bus** - motor vehicle of road transport intended for passenger transport with the number of seats (including driver's seat) with more than 9 seats.

**Cyclomotor** - A motor vehicle, with two, three or four wheels.

**Semi-trailer** - A motor vehicle intended for the transport of passengers and goods.

**Agricultural machine** - A motor vehicle with wheels or a chain intended for use in agriculture and forestry, for the transport of agricultural goods.

**Motorcycles** - Three-wheeled vehicles, intended for the transport of goods. They can have up to two seats for the people involved in the transport, including the driver.

**Towing** - Vehicle intended for towing trailers or semi-trailers only.

**Passenger cars per 1000 inhabitants** - This indicator is calculated based on the stock of vehicles on December 31 and the number of the population on January 1 of the following year.