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VOLUME OF ROAD TRAFFIC OF DOMESTIC VEHICLES, 2021

Detailed data on vehicle-kilometres travelled by domestic vehicles on the territory of the Republic of Croatia and on the foreign territory are published here. The data are based on administrative data obtained from the Center for Vehicles of Croatia and the Ministry of the Interior as well as on estimates of the Croatian Bureau of Statistics.

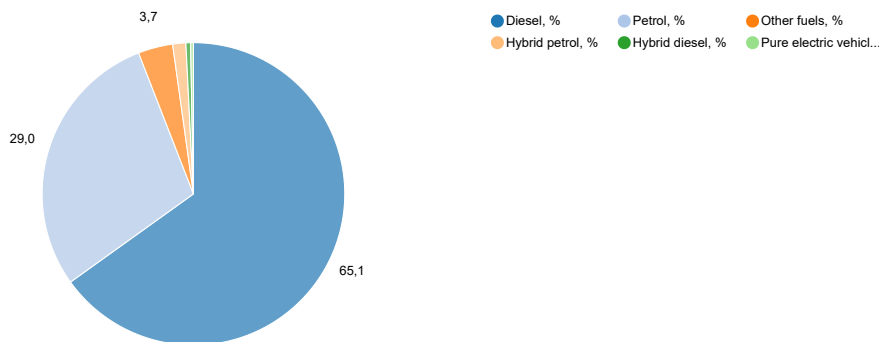
The volume of traffic expressed in vehicle-kilometres is an important indicator of transport performance of road traffic vehicles. Vehicle-kilometres travelled is an indicator of the environmental impact of the transport activity and one of the important indicators of the traffic safety.

In 2021, vehicles registered in the Republic of Croatia travelled 28 202 million vehicle-kilometres, which was 5.8% more than in 2020 and 3.0% more than in 2019.

Out the total number of vehicle-kilometres travelled in 2021, passenger cars accounted for 77.6%. The largest share in vehicle-kilometres travelled by passenger cars was generated by diesel-driven passenger cars, 65.1%.

Due to a continuous increase in the number of registered hybrid passenger cars, vehicle-kilometres travelled in this vehicle category in 2021, compared to 2020, showed the biggest growth. The vehicle-kilometres of hybrid diesel passenger cars increased by 143.0% and those of hybrid petrol passenger cars by 87.4%, as compared to 2020. The vehicle-kilometres of pure electric passenger cars increased by 55.7% compared to 2020.

G-1 SHARE OF TYPE OF FUEL IN REALISED VEHICLE- KILOMETRES OF PASSENGER VEHICLES, 2021



1 VOLUME OF ROAD TRAFFIC OF NATIONAL VEHICLES, BY TYPE OF VEHICLE, TYPE OF FUEL AND AGE OF VEHICLE, 2021

Mln vkm

	Total	Age of vehicle				
		Less than 2 years	2 years up to under 5 years	5 years up to under 10 years	10 years up to under 20 years	20 and more years
Total	28 202	3 302	4 442	6 642	11 203	2 613
M1: Passenger cars	21 875	2 191	3 170	4 946	9 342	2 225
Petrol	6 340	799	767	732	3 050	992
Diesel	14 236	890	2 260	4 123	5 851	1 111
Pure electric	63	47	12	5	0	0
Hybrid petrol	317	246	45	20	6	-
Hybrid diesel	105	81	17	6	-	-
Other fuel	814	129	69	60	434	122
M2: Mini buses	17	0	2	4	10	1
Petrol	-	-	-	-	-	-
Diesel	17	0	2	4	10	1
Pure electric	0	-	-	0	0	-
Other fuel	-	-	-	-	-	-
M3: Buses and coaches	189	14	39	38	88	10
Diesel	185	14	39	37	85	10
Hybrid	-	-	-	-	-	-
Pure electric	-	-	-	-	-	-
Compressed natural gas	0	-	-	0	-	-
Other fuel	5	-	0	0	3	-
N1: Goods vehicles up to 3.5 t MPW	3 488	792	696	852	979	169
Petrol	57	3	12	14	25	4
Diesel	3 401	781	680	834	941	164
Other fuel	31	8	4	5	13	1
N2: Goods vehicles between 3.5 t and 12 t MPW	288	16	27	52	133	60
Diesel	288	16	27	52	133	60
Other fuel	0	0	0	0	0	0
N3: Goods vehicles over 12 t MPW	1 925	236	452	693	467	77
Diesel	1 923	236	451	693	467	77
Other fuel	1	0	1	0	0	-
L1/L2/L6: Mopeds	105	3	16	15	54	17
Petrol	104	2	15	15	54	17
Pure electric	1	0	1	0	0	0
Other fuel	0	-	0	0	0	0
L3/L4/L5/L7: Motorcycles	264	40	36	39	123	26
Petrol	262	40	35	38	123	26
Pure electric	2	1	1	0	0	-
Other fuel	0	0	0	0	0	0
T5: Tractor on wheels	50	10	4	2	7	28
Diesel	38	1	2	2	7	27
Other fuel	11	8	2	0	0	0

NOTES ON METHODOLOGY

It may happen that the sum total does not equal the sum of individual figures and that cumulative data do not always equal the sum of individual results due to the rounding of numbers.

The estimate of vehicle-kilometres travelled by national vehicles was obtained on the basis of data on kilometres travelled by vehicles that had taken a vehicle inspection test and the number of registered vehicles in the Republic of Croatia. Data on kilometres travelled were obtained on the basis of odometer readings during regular vehicle inspections by the Center for Vehicles of Croatia in the period of three consecutive years for all motor vehicles which had to take vehicle inspection tests. Kilometres travelled by each individual vehicle are calculated on the basis of the difference in the odometer readings obtained during the last two vehicle inspections. Kilometres travelled by new vehicles, for which such data do not exist, are estimated using the imputation method.

Average number of registered vehicles in the Republic of Croatia was obtained on the basis of the number of road motor vehicles registered with the Ministry of the Interior during two consecutive years.

Definitions

Vehicle-kilometre is a unit of measure representing the movement of a road motor vehicle over one kilometre. The distance to be considered is the distance actually run. It includes movements of empty road motor vehicles. Units made up of a tractor and a semi-trailer or a lorry and a trailer are counted as one vehicle.

Road vehicle is a vehicle running on wheels and intended for use on roads.

Road motor vehicle is a road vehicle fitted with an engine whence it derives its sole means of propulsion, which is normally used for carrying persons or goods or for hauling, on the road, vehicles used for the carriage of persons or goods. The statistics exclude motor vehicles running on rails.

According to Annex I of the Ordinance on the Conformity Assessment of Motor Vehicles and Their Trailers, motor vehicle categories are as follows: M1 (passenger cars), M2 and M3 (buses and coaches), N1, N2 and N3 (goods vehicles), L1, L2 and L6 (mopeds), L3, L4, L5 and L7 (motorcycles), and T5 (tractors on wheels).

Petrol vehicle is a road motor vehicle using petrol for propulsion containing up to 10% bioethanol.

Diesel vehicle is a road motor vehicle using diesel for propulsion containing up to 7% biodiesel.

Hybrid petrol vehicle is a road motor vehicle using petrol for propulsion, with in addition of one or more electric motors for propulsion, where the electric motor(s) are powered from a traction battery which is charged by a generator driven by the petrol engine. Plug-in hybrid petrol vehicles where the traction battery can also be charged from an external electricity source (such as an electric socket) are included as well.

Hybrid diesel vehicle is a road motor vehicle using diesel for propulsion, with in addition of one or more electric motors for propulsion, where the electric motor(s) are powered from a traction battery which is charged by a generator driven by the diesel engine. Plug-in hybrid diesel vehicles where the traction battery can also be charged from an external electricity source (such as an electric socket) are included as well.

Pure electric vehicle is a road motor vehicle using batteries to feed an electric motor for propulsion.

National vehicle is a road motor vehicle registered in the Republic of Croatia and bearing registration marks of the Republic of Croatia.

Abbreviations

mln	million
MPW	maximum permissible weight
t	tonne
vkm	vehicle-kilometre

Symbols

-	no occurrence
0	value not zero, but less than 0.5 of the unit of measure used

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