

First Release

Year: LIX.

Zagreb, 28 March 2022

TRAN-2022-1-3

ISSN 1334-0557



VOLUME OF ROAD TRAFFIC OF NATIONAL VEHICLES, 2020

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.

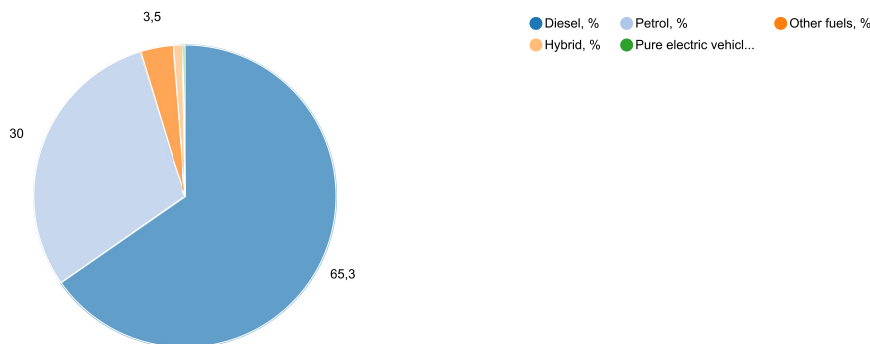
The volume of traffic expressed in vehicle-kilometres is an important indicator of transport performance of road traffic vehicles. Vehicle-kilometres travelled is an indicator of the environmental impact of the transport activity and one of the important indicators of the traffic safety.

In 2020, vehicles registered in the Republic of Croatia travelled 26 663 million vehicle-kilometres, which was 2.6% less than in 2019.

Out of the total number of vehicle-kilometres travelled in 2020, passenger cars accounted for 77.8%. The largest share in vehicle-kilometres travelled by passenger cars was generated by diesel-driven passenger cars, 65.3%.

Due to a continuous increase in the number of registered electric passenger cars, vehicle-kilometres travelled in this vehicle category in 2020, compared to 2019, showed the biggest growth, of 113.9%. They are followed by diesel hybrid passenger cars with an increase in vehicle-kilometres of 110.3% compared to 2019.

G-1. SHARE OF TYPE OF FUEL IN REALISED VEHICLE- KILOMETRES OF PASSENGER VEHICLES, 2020



1. VOLUME OF ROAD TRAFFIC OF NATIONAL VEHICLES, BY TYPE OF VEHICLE, TYPE OF FUEL AND AGE OF VEHICLE, 2020

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	26.663	3.132	4.100	6.086	10.987	2.358
M1: Passenger cars	20.740	2.080	2.879	4.610	9.180	1.992
Petrol	6.216	755	555	796	3.211	899
Diesel	13.535	1.088	2.235	3.729	5.507	976
Pure electric	41	32	6	3	0	0
Hybrid petrol	169	124	26	14	5	-
Hybrid diesel	43	33	5	5	-	-
Other fuel	737	49	52	63	456	117
M2: Mini buses	16	0	2	4	9	1
Petrol	-	-	-	-	-	-
Diesel	16	0	2	4	9	1
Pure electric	0	-	-	0	0	-
Other fuel	-	-	-	-	-	-
M3: Buses and coaches	182	14	31	33	95	9
Diesel	177	14	30	33	92	9
Hybrid	-	-	-	-	-	-
Pure electric	-	-	-	-	-	-
CNG	0	-	-	0	-	-
Other fuel	5	-	0	1	4	-
N1: Goods vehicles up to 3.5 t MPW	3.240	747	655	745	938	155
Petrol	58	5	12	13	24	3
Diesel	3.159	740	640	727	901	151
Other fuel	23	2	3	5	13	1
N2: Goods vehicles between 3.5 t and 12 t MPW	293	18	26	53	137	58
Diesel	292	18	26	53	137	58
Other fuel	0	0	0	0	0	0
N3: Goods vehicles over 12 t MPW	1.775	217	460	586	441	71
Diesel	1.774	216	459	586	441	71
Other fuel	2	1	1	0	0	-
L1/L2/L6: Mopeds	114	10	16	17	58	14
Petrol	113	10	16	16	57	14
Pure electric	1	0	0	0	0	0
Other fuel	0	-	0	0	0	0
L3/L4/L5/L7: Motorcycles	245	38	28	37	121	20
Petrol	244	38	28	37	121	20
Pure electric	1	0	0	0	0	-
Other fuel	0	0	0	0	0	0
T5: Tractor on wheels	58	7	3	2	9	37
Diesel	51	2	1	2	9	37
Other fuel	7	5	1	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).

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

Published by the Croatian Bureau of Statistics, Zagreb, Ilica 3, P. O. B. 80.

Phone: (+385 1) 48 06 111
Press corner: press@dzs.hr

Persons responsible:
Edita Omerzo, Director of Spatial Statistics Directorate
Lidija Brković, Director General

Prepared by:
Snježana Kos and Korana Šakić Pokrivač

USERS ARE KINDLY REQUESTED TO STATE THE SOURCE.

Customer Relations and Data Protection Department

Information and user requests
Phone: (+385 1) 48 06 138, 48 06 154
E-mail: stat.info@dzs.hr

Subscription
Phone: (+385 1) 48 06 115
E-mail: prodaja@dzs.hr