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Brief information

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TRANSPORT
IN MAZOWIECKIE VOIVODSHIP IN 2015

When publishing Statistical Office data please indicate the source.

Basic source of information on transport are reports of the Central Statistical Office, apart from data regarding:

— public roads and bridges on the basis of the register of the General Directorate for National Roads and Motorways; data on public roads the General Directorate for National Roads and Motorways receives from public road authorities according to the decree of the Minister of Infrastructure dated 16 II 2005 on the mode of compiling the information and collecting and releasing data on the public road network, bridges, tunnels and ferries (Journal of Laws of 2005, No. 67, item 583) – in case of lack of data for a given reporting year from the public road authorities (e.g. data concerning communal roads from the president of a city, mayor, borough leader), the data for the last period which were delivered are presented;

— road vehicles and tractors on the basis of the Central Vehicles and Drivers Register maintained by the Ministry of Digital Affairs

Due to the electronic mode of data processing, in some cases sums of figures (expressed in absolute and relative numbers) might slightly differ from the amount given in a 'total' item. The figures are content-wise correct.

In 2015:

- length of hard surface roads equalled 36505.8 km;
- number of registered vehicles amounted to 3170.4 thous.;
- there were 593 passenger cars per 1000 population;
- transport lines connecting cities were used by 61.5 mln passengers (the highest share in Poland);
- 930.2 mln passengers used urban transport stock;
- in the first quarter the second line of metro was opened; during the course of a year, 171.3 mln passengers used the metro line;
- movement of passengers at the airports (arrivals and departures) equalled 13810.1 thous.

In comparison with 2014:

- length of public hard surface roads increased by 1.6%;
- number of registered passenger cars increased by 4.2%;
- number of passenger cars per 1000 population rose by 23;
- number of passengers using bus stock within national transport increased by 2.8%;

- number of passengers using municipal bus stock increased by 2.4%;
- number of metro passengers increased by 16.0%;
- passenger traffic at the airports grew by 12.8%.

PUBLIC ROADS – AS OF 31 XII

Public roads network which includes national and local government roads is coherent and serves its basic transport aim, which is free movement of people and goods.

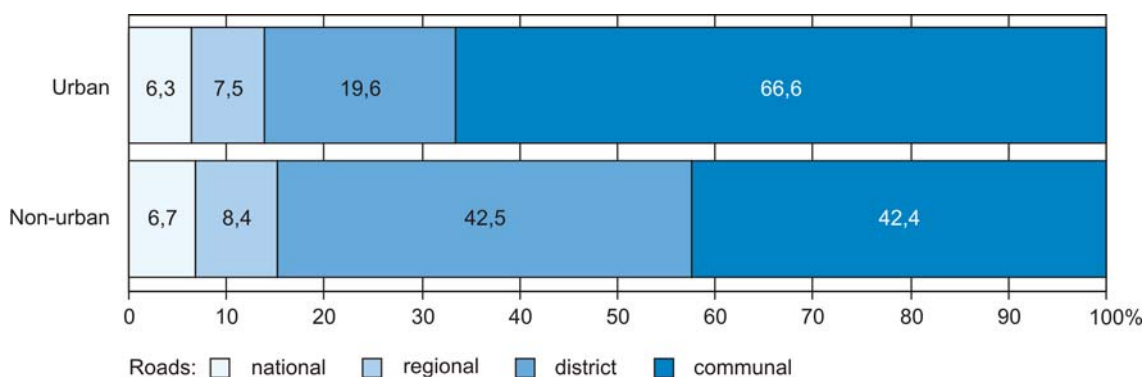
As of the end of 2015 the length of public hard surface roads in Mazowieckie voivodship amounted to 36505.8 km (by 1.6% more than a year before), of these 94.9% were improved hard surface roads. Urban roads represented 19.6% of total public hard surface roads. In the structure of the voivodship dominated roads with local significance, i.e. district and communal roads, representing 38.0% and 47.1% of public roads in the voivodship.

Table 1. **Public hard surface roads**
As of 31 XII

Specification	Total	National	Regional	District	Communal
	in kilometres				
Total 2014	35935.1	2415.8	2992.2	13818.1	16709.0
..... 2015	36505.8	2423.2	3000.4	13871.8	17210.4
Urban 2014	7005.8	447.5	530.2	1371.4	4656.7
..... 2015	7169.2	452.1	535.3	1405.2	4776.6
Non-urban 2014	28929.3	1968.3	2462.0	12446.7	12052.3
..... 2015	29336.6	1971.1	2465.1	12466.6	12433.8

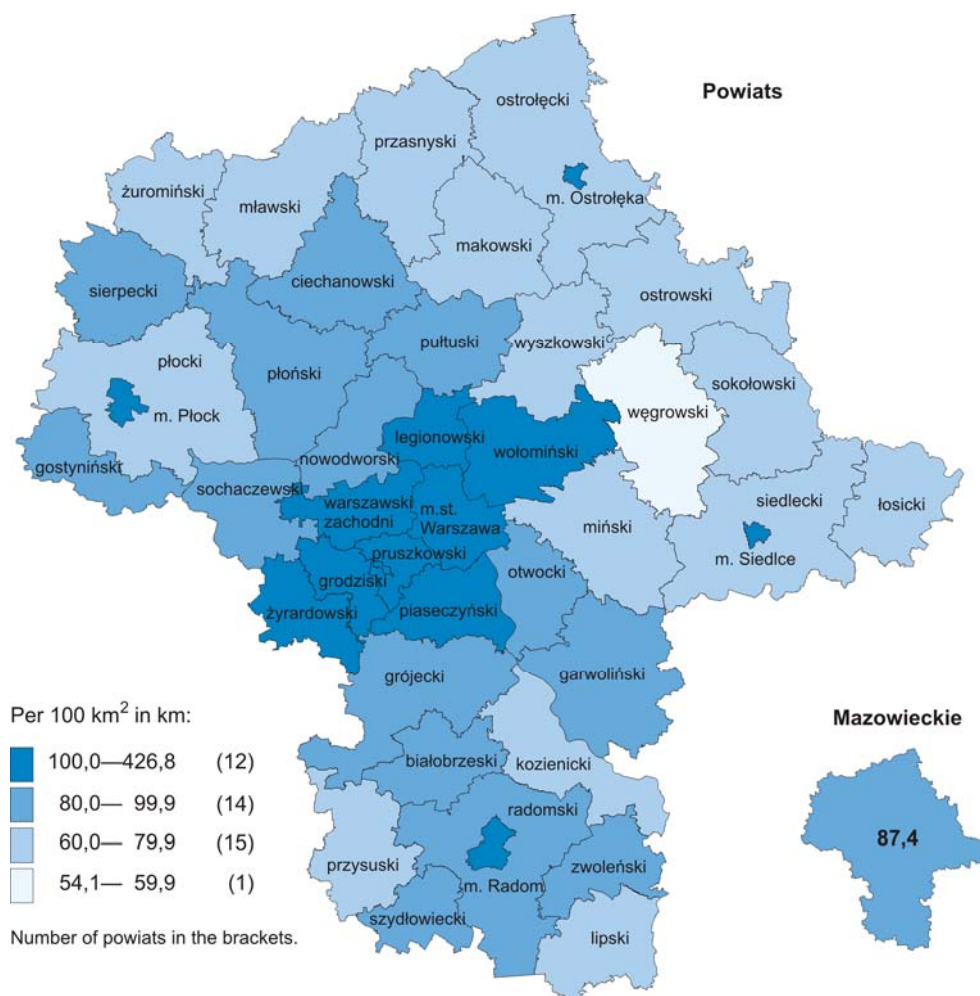
There were 102.7 km of public hard surface roads (in Poland – 93.0 km) per 100 km² of the area of the voivodship, i.e. by 1.6 km more than in 2014. In terms of density of public hard surface roads Mazowieckie voivodship was fifth in the country (the highest indicator was observed in Śląskie voivodship – 175.5 km per 100 km², and the lowest in Warmińsko-mazurskie voivodship – 55.2 km per 100 km²).

Structure of public hard surface roads in 2015
As of 31 XII

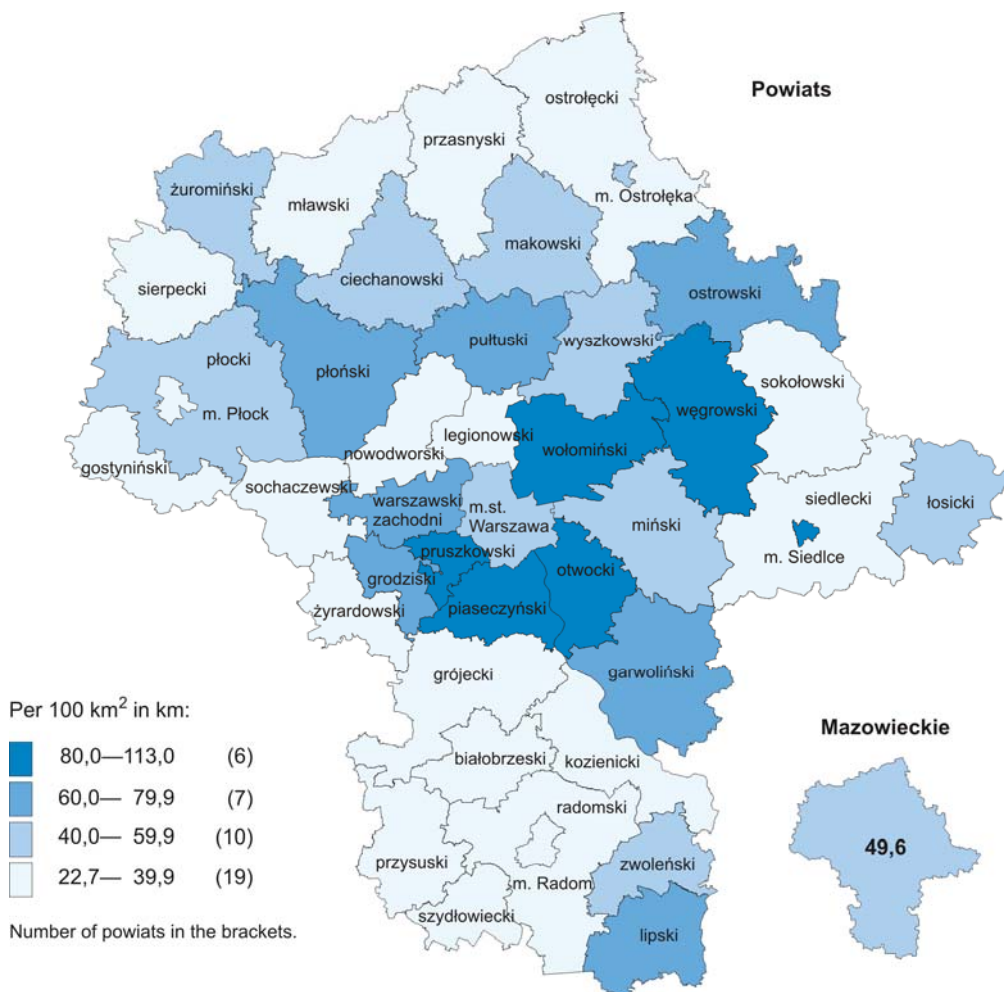


The quality of road infrastructure is particularly important, because it improves transport. It improves the competitiveness of the voivodship and it gives the impulse for the voivodship economic development. The type of surface determines the quality of roads. In Mazowieckie voivodship in 2015 the total length of district and communal hard surface roads amounted to 31082.2 km, of which 94.0% were roads with the improved surface. There were 87.4 km of district and communal hard surface roads per 100 km² of the voivodship's area. The highest density indicator of district roads was observed in Ostrołęka (426.8 km per 100 km²), and the lowest in węgrowski powiat (54.1 km per 100 km²). The total length of district and communal unsurfaced roads amounted to 17643.4 km. The share of district and communal unsurfaced roads in the total length of these roads in the Mazowieckie voivodship equalled 36.2% – the unsurfaced roads constituted 48.7% of the total length of communal roads. There were 49.6 km of district and communal unsurfaced roads per 100 km² of the voivodship. The highest rate was observed in wołomiński powiat (113.0 km per 100 km²), while the lowest in radomski powiat (22.7 km per 100 km²).

Density of district and communal hard surface roads in 2015
As of 31 XII



Density of district and communal unsurfaced roads in 2015
As of 31 XII



Roads which are characterized by the highest, technical parameters, i.e. highways and expressways represented a total of 0.7% of hard surface roads in the voivodship. Their length at the end of the year amounted to 66.4 km and 188.6 km respectively. In 2015 there were 3295 bridges and viaducts and 80 tunnels and underpasses.

ROAD VEHICLES¹ AND TRACTORS REGISTERED – AS OF 31 XII

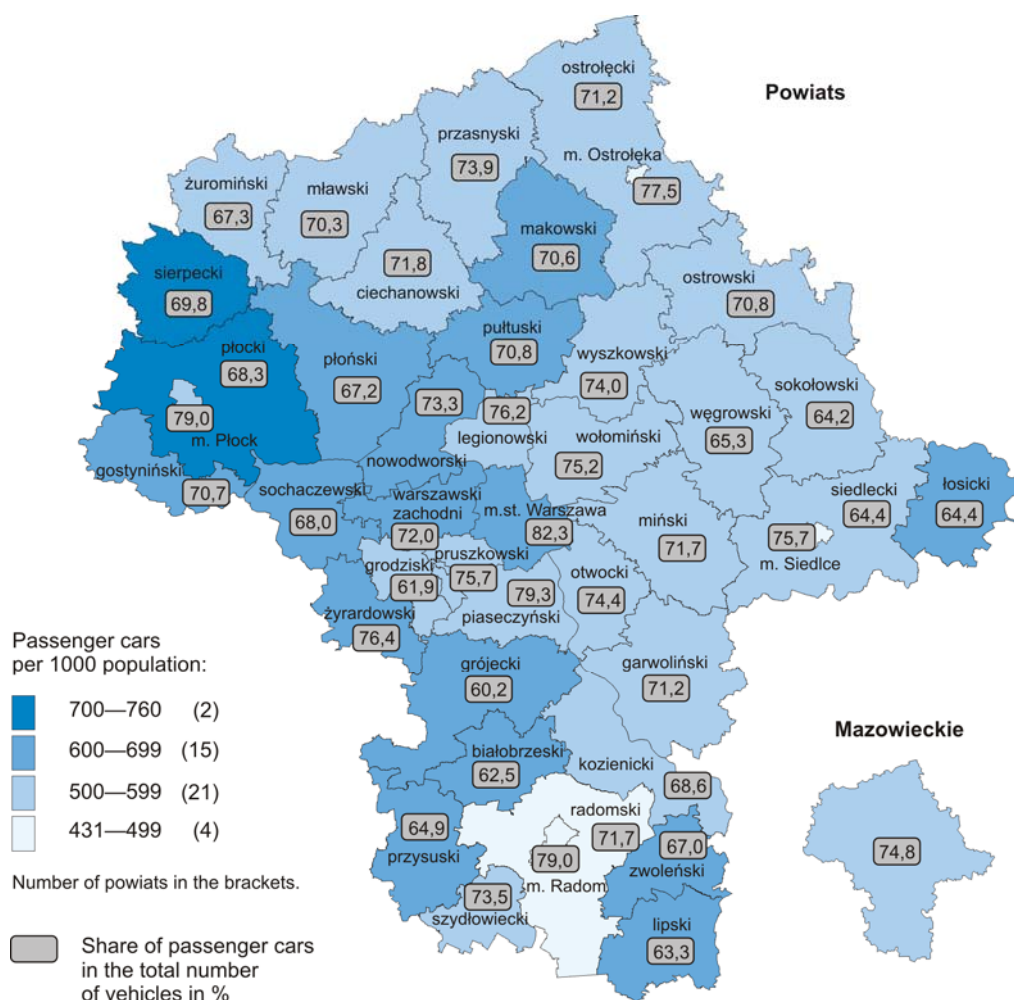
In Mazowieckie voivodship in 2015 a total number of registered road vehicles and tractors amounted to 4236.5 thous., i.e. by 4.0% more than the year before. Passenger cars, which represented 74.8% prevailed in this group.

The number of registered passenger cars amounted to 3170.4 thous., i.e. by 4.2% more than in 2014. In 2015 the changes were observed in the structure of passenger cars in terms of total weight, age groups and type of fuel consumption. In the total number of registered passenger cars, vehicles

¹ Excluding trolleybuses; including road vehicles of diplomatic services.

with a gross vehicle mass up to 1399 kg represented 26.2% (in 2014 – 27.5%). The majority of cars were more than 10 years old, and their share was 71.9% (similarly as in the previous year), whereas the share of vehicles less than 5 years old increased during a year by 0.5 p. p. to 15.8%. The share of petrol driven cars decreased from 53.4% in 2014 to 52.9% in 2015 in favour of cars with diesel engines (an increase from 27.8% in 2014 to 28.8% in 2015). There was a decrease in the share of passenger cars driven with liquefied petroleum gas from 18.1% to 17.6% in 2015. Ratio of registered passenger cars to the number of inhabitants in a given territory is defined as the motorization rate. At the end of 2015 in Mazowieckie voivodship there were 593 cars per 1000 inhabitants (570 a year earlier). The highest rate was observed in sierpecki (760) and płocki (731) powiats, while the lowest in Ostrołęka (431) and Radom (445).

Passenger cars^a registered by powiats in 2015
As of 31 XII

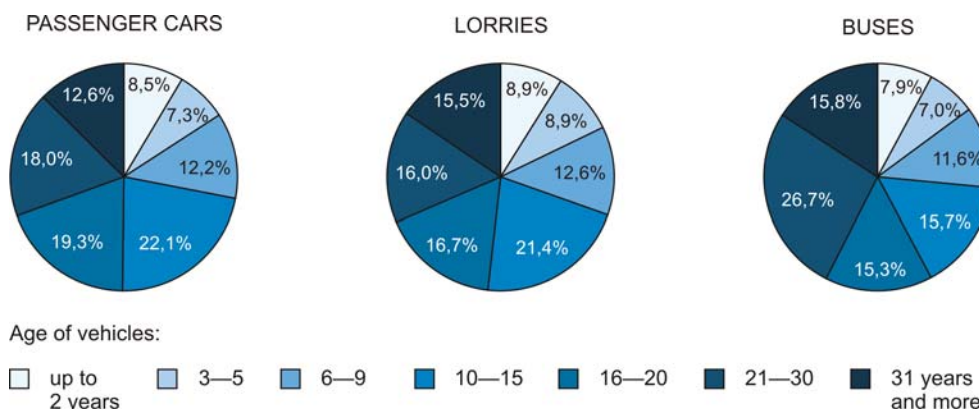


^a In the division by powiats excluding vehicles of diplomatic services.

Lorries (including vans) represented the second, in terms of size, category in the group of road vehicles and tractors registered in Mazowieckie voivodship. The number of these vehicles was as high as 537.9 thous. and increased during a year by 1.5%. Vehicles with load capacity below 1.5 tonne

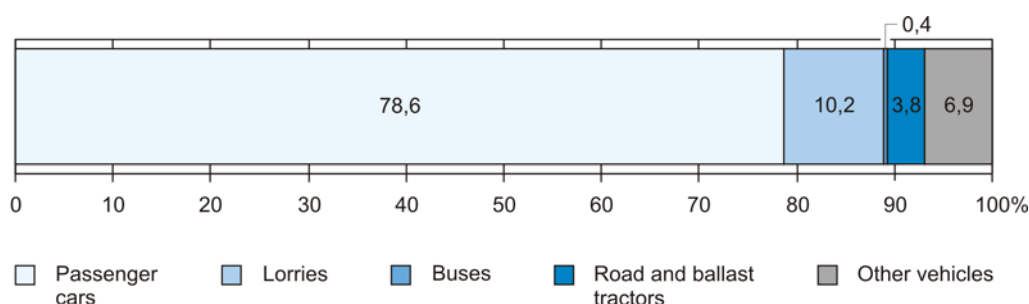
represented 79.1%, and of 10 tonnes and more – 4.1%. The majority of lorries represented age group of 10 years and more, and its share amounted to 69.6% (at 68.6% in 2014). In the total number of lorries, vehicles with diesel engine represented 68.5% (in 2014 – 67.4%), with petrol engines – 21.0% (in 2014 – 21.9%) and with liquefied petroleum gas installation– 9.6% (in 2014 – 9.8%).

Structure of road vehicles by age groups in 2015 As of 31 XII



In 2015 there were 16.7 thous. buses registered², i.e. by 4.3% more than in the previous year. Buses with capacity of up to 15 seats represented 9.8% (in 2014 – 10.4%), and with capacity of 16 to 45 seats – 25.8% (in 2014 – 25.4%) in the total number of these vehicles. Similarly as in 2014 the majority of buses represented age group of 10 years and more; their share amounted to 73.5% (in 2014 – 73.9%). In the total number of buses, vehicles with diesel engines represented 91.6% (in 2014 – 91.5%).

Structure of road vehicles and tractors registered for the first time by type of vehicle



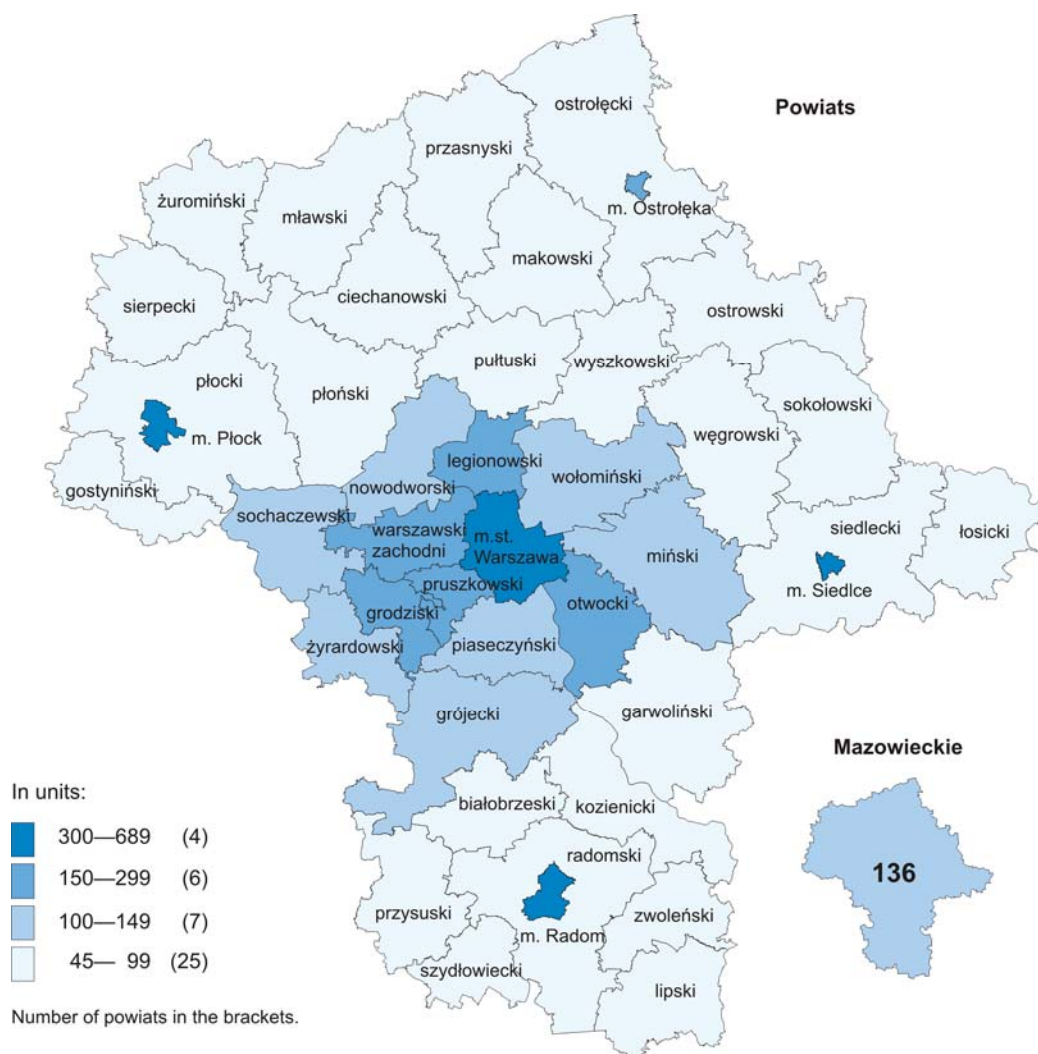
In Mazowieckie voivodship in 2015 the number of road vehicles and tractors registered for the first time³ amounted to 261.6 thous. and was by 10.8% higher than in the previous year. The majority

² Bus – a passenger road motor vehicle designed to seat more than 9 persons including the driver.

³ Data include both brand new vehicles, and used vehicles brought in from abroad, which were registered for the first time in the country.

represented passenger cars – 78.6%, and the lowest share buses – 0.4%. The number of buses' registrations increased (by 27.0%), of road tractors' registrations (by 21.8%) and of passenger cars' registrations (by 12.4%). The number of agricultural tractors and lorries decreased (by 21.1% and 8.7% respectively). Among vehicles registered for the first time, brand new vehicles represented: for road tractors – 73.8%, for lorries – 63.2%, for passenger cars – 55.1%.

**Road vehicles and tractors registered in 2015
per 1 km of district and communal hard surface roads**



ROAD TRANSPORT FOR HIRE OR REWARD

In Mazowieckie voivodship national and international transport realized by enterprises employing more than 9 persons (excluding urban transport services) was conducted on 2348 national lines with their 143882 km and on 26 international lines which were 23144 km long. Suburban lines, which constituted 77.1%, prevailed in the total number of national lines.

As of 31 December 2015 the number of buses used by road transport units amounted to 2323 units and compared with 2014 it was by 2.0% lower, and the total capacity by 4.9% higher.

Table 2. **Passengers travelled by national line buses in 2015**

Specification	Passengers		Passenger-kilometres		Average distance travelled by 1 passenger in km
	in thous.	2014=100	in thous.	2014=100	
Poland	416774	96.6	21569967	100.6	52
Mazowieckie voivodship	61516	102.8	7206051	121.5	117

In Mazowieckie voivodship in 2015 there were 61.5 mln passengers (the highest amount in Poland) travelling within road transport, which corresponded to 14.8% of total passengers in the country. Compared with 2014 the number of passengers increased by 2.8%. Average distance travelled by 1 passenger amounted to 117 km and was by 65 km longer than a national average. The longest distance travelled by 1 passenger was observed in Opolskie voivodship – 179 km, while the shortest in Pomorskie voivodship – 23 km and Kujawsko-pomorskie voivodship – 26 km.

In 2015 there were 59.8 mln passengers using bus stocks within national transport, i.e. by 1.8% more than in the previous year. Transport performance expressed in passenger-kilometres decreased by 0.3% compared with the previous year, while an average distance travelled by 1 passenger amounted to 80 km and was by 2 kilometres shorter than the year before.

The number of passengers in international transport in 2015 was estimated at 1733.6 thous. and was by 52.0% higher than in the previous year. Transport performance in passenger-kilometres increased by 115.2%, as well as the average distance travelled by 1 passenger, which amounted to 1390 km, i.e. by 41.6% more than in the previous year.

Table 3. **Distance travelled by national line buses in 2015**

Specification	Distance during one year		Average distance travelled by 1 bus ^a in km	
	in thous. vehicle-kilometres	2014=100	during one year	during one day
Poland	899748	101.9	80782	221
Mazowieckie voivodship	203226	118.3	113980	312

^a Relates to passenger transport buses.

Buses in national road transport travelled a total of 203.2 mln vehicle-kilometres in Mazowieckie voivodship (22.6% of total national distance). Daily distance travelled by 1 bus in the voivodship was estimated above the national average, and compared with 2014 increased by 63 km, i.e. by 25,3%.

In 2015 transport enterprises employing more than 9 persons located in the territory of Mazowieckie voivodship carried a total of 47.5 mln tonnes of goods, i.e. by 5.5% more than in 2014. Transport performance was lower by 2.2% and amounted to 23389.2 mln tonne-kilometres, while an

average distance travelled by 1 tonne of goods amounted to 492.3 km and was by 39.0 km shorter than the year before.

National transport carried 28.4 mln tonnes of goods (by 5.7% more than in 2014), which represented 59.7% of total carried goods. Transport performance amounted to 5785.0 mln tonne-kilometres and was higher by 29.5% than in 2014. An average distance travelled by 1 tonne of goods within national transport amounted to 203.9 km and was higher by 37.5 km compared with the previous year.

International transport carried 19.1 mln tonnes of goods (by 5.3% more than in the previous year). Transport performance amounted to 17604.2 mln tonne-kilometres, i.e. by 9.5% more than in the previous year. An average distance travelled by 1 tonne of goods in 2015 amounted to 919.9 km and was by 150.5 km shorter than in 2014.

URBAN TRANSPORT

In 2015 enterprises providing urban transport services (employing more than 9 persons) operated on 6627.7 km of transport lines, of these 94.3% were bus lines and 5.7% tram lines. Urban transport had at its disposal 2577 buses (i.e. by 5.1% more compared with the previous year), and the number of trams amounted to 760 (i.e. by 0.1% less compared with 2014). A total number of seats amounted to 306.4 thous. for buses and 117.3 thous. for trams. Buses adjusted to the needs of the disabled represented 94.2% of the total number of buses (i.e. by 0.9 p. p. more than in the previous year) and trams adjusted to the needs of disabled – 40.9% of the total number of trams (i.e. by 10.5 p. p. more than in the previous year). Urban transport stock carried 2.4% passengers more than in 2014. In the total number of passengers in Poland, Mazowieckie voivodship had the biggest share (25.3%). In 2015 an average distance travelled by one bus during a day amounted to 199 km (the same as in the previous year), and by one tram – 255 km (by 13 km more compared with 2013).

Table 4. **Urban transport**
As of 31 XII

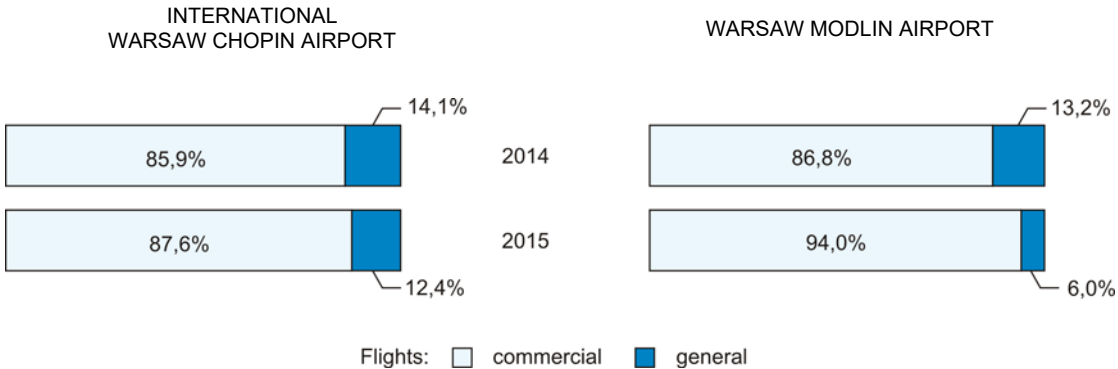
Specification	2014	2015
Transport lines in km	6324.8	6627.7
bus	5929.7	6249.8
tram	395.1	377.9
Transport stock:		
bus	2452	2577
of which adjusted to the needs of the disabled	2287	2428
tram	761	760
of which adjusted to the needs of the disabled	231	311
Transport of passengers (during a year) in million	908.7	930.2

The length of Warsaw metro line increased by 6 km compared to the previous year due to opening in the first quarter the second metro line. The metro had at its disposal by 1.4% trains (450 units) more compared with a year before, and their total distance travelled was 31.0% higher. During 2015 the metro carried 171.3 mln passengers, i.e. by 16.0% more than in 2014. During a day the metro was used by 0.47 mln persons (i.e. by 17.5% more than in 2014).

AIR TRANSPORT

Within the territory of Mazowieckie voivodship there are three airports: the International Warsaw Chopin Airport, the Warsaw Modlin Airport and the Radom Airport which began regular air operations in September 2015. The share of these airports in passengers traffic of the country with regard to the number of passengers corresponded to 45.3%. A total number of take-offs and landings at airports in Mazowieckie voivodship in 2015 amounted to 159.8 thous., which was a 2.2% increase compared with 2014. The airports (in the case of arrivals, departures, excluding transit) hosted a total of 13810.1 thous. passengers, i.e. by 12.8% more than in the previous year: the Warsaw Modlin Airport noted a 52.0% increase in passenger traffic and the International Warsaw Chopin Airport noted a 6.5% increase. The Radom Airport hosted 687 passengers in total, of which 96.9% in international traffic. In national traffic the number of passengers in total increased by 11.0%, and in international traffic by 13.1%. The share of passengers in the national transport in the total number of passengers at the voivodship airports remained at the similar level as in the previous year and amounted to 11.1%.

Aircraft traffic at airports by the type of flights



In 2015 at the International Warsaw Chopin Airport 72354 tonnes of freight (including mail) was loaded and unloaded, i.e. by 21.4% more than in 2014. In international traffic the weight of goods loaded and unloaded was by 25.5% larger, but in the case of freight arrivals from foreign airports by 30.8% and in the case of freight departures to foreign airports by 19.6%. The weight of freight loaded and unloaded in national traffic was lower by 42.0%. No freight was loaded or unloaded at the Warsaw Modlin Airport and at the Radom Airport.

Table 5. Aircraft and passenger^a traffic at airports

Specification	Take-offs/landings		Passengers			
	2014	2015	passenger arrivals		passenger departures	
			2014	2015	2014	2015
Total	156408	159789	6131200	6917693	6109139	6892373
National traffic	33867	31773	690408	773829	685057	752497
Polish aircrafts.....	28244	26082	609997	594338	605514	576255
Foreign aircrafts	5623	5691	80411	179491	79543	176242
International traffic	122541	128016	5440792	6143864	5424082	6139876
Polish aircrafts.....	56227	55678	2141321	2096767	2128512	2098396
Foreign aircrafts	66314	72338	3299471	4047097	3295570	4041480
Of which scheduled flights.....	51696	61064	2972268	3758280	2969819	3752512

a In communication flights (excluding transit).