

# With statistics through Warsaw

Warsaw 2018

100 lat  
GUS



Statistical Office  
in Warszawa

**Content-related works**

Statistical Office in Warszawa, Mazovian Centre for Regional Surveys

supervised by

Tomasz Zegar

**Editorial team**

Małgorzata Bieńkowska, Anna Cacko, Joanna Podolska

**Typesetting and graphics**

Anna Cacko

**Translation**

Agnieszka Gromek-Żukowska

**Icon design**

on pages: 9, 14, 18, – [publicdomainvectors.org](http://publicdomainvectors.org)

**Publication available on website**

<http://warszawa.stat.gov.pl>

**When publishing Statistical Office data please indicate the source.**

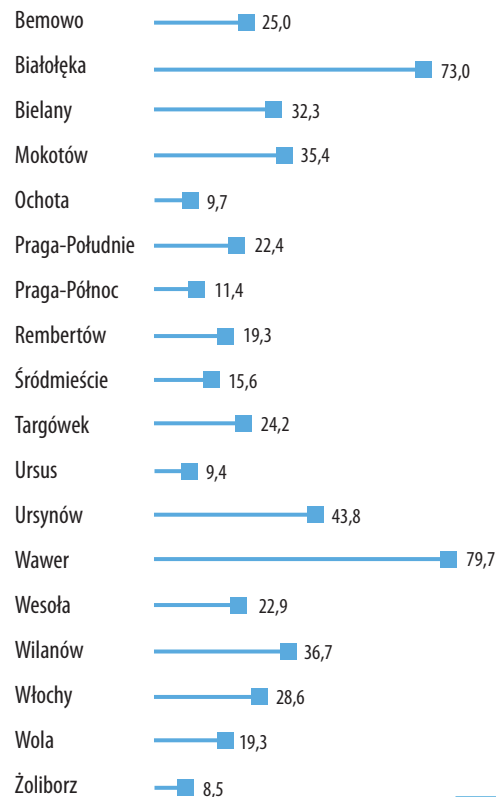


517,2 km<sup>2</sup> area of Warsaw

15,4% Wawer district  
highest share in the area in total

1,6% Żoliborz district  
lowest share in the area in total

**Area (in km<sup>2</sup>) by districts in 2017**  
As of 1 I



**Geographical location of Warsaw**

longitude east

20°51'06" west

21°16'16" east

north latitude

52°22'05" north

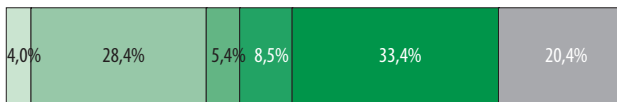
52°05'52" south

	2016	2017
Area in km <sup>2</sup>	517,2	517,2
per 1 inhabitant in m <sup>2</sup>	295	293
Average air temperature in °C	9,8	9,4
maximum	20,0	19,7
minimum	-2,9	-3,7
Total annual precipitation in mm	593	705
Average wind velocity in m/s	3,4	3,5
Insolation in h	1836	1351
Average cloudiness in octants <sup>a</sup>	5,3	5,6

<sup>a</sup> Degree of cloudiness: 0 (no clouds) to 8 (total cloud cover).

### Structure of built-up and urbanized land in 2017

As of 1 I



- Urbanized non-built-up areas or during built-up
- Transport areas
- Recreational areas

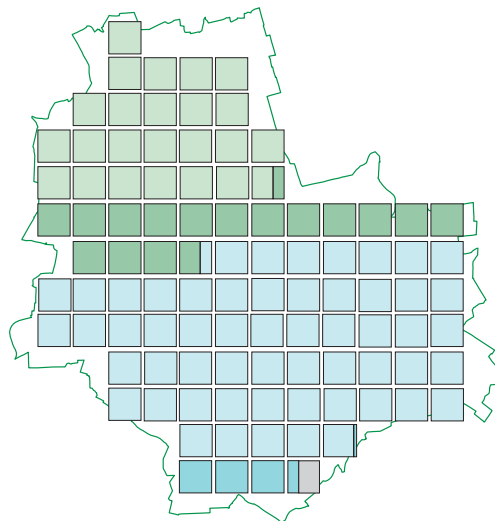
- Industrial areas
- Residential areas
- Other built-up areas

**96,9%** Ochota district  
highest share in built-up  
and urbanized areas

**23,7%** Wilanów district  
lowest share in built-up  
and urbanized areas

### Geodesic area by directions of land use in 2017

As of 1 I

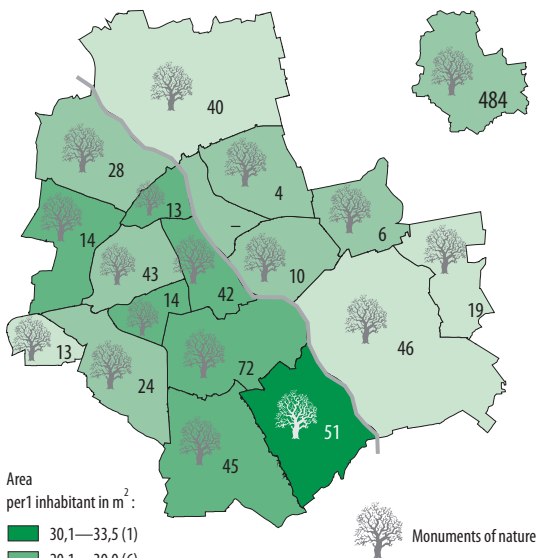


In percent:

- arable land (23,7%)
- forest land (16,0%)
- other land (0,7%)
- built-up and urbanized areas (56,2%)
- lands under waters (3,4%)

**Area of parks, lawns and green areas of housing estates per 1 inhabitant and monuments of nature in 2017**

As of 31 XII

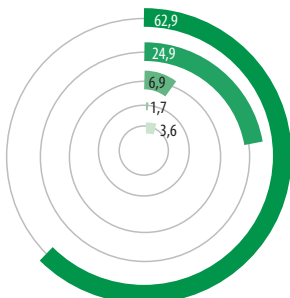


Area per 1 inhabitant in m<sup>2</sup>:

- 30,1—33,5 (1)
- 20,1—30,0 (6)
- 10,1—20,0 (7)
- 1,6—10,0 (4)

Number of districts in the brackets.

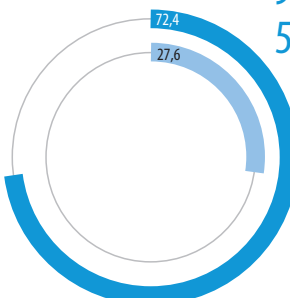
for environmental protection



**252,1 mln PLN** total  
**143,39 PLN** per capita

- In %:
- wastewater management and water protection
  - protection of atmospheric air and climate
  - waste management and protection of land, ground and surface waters
  - reduction of noise and vibration
  - other

for water management



**94,7 mln PLN** total  
**53,85 PLN** per capita

- In %:
- water intakes and supply
  - construction and modernization of water treatment stations

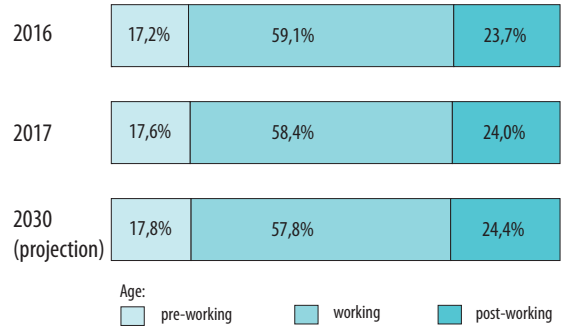
	2016	2017
Water withdrawal for needs of the national economy and population in m <sup>3</sup>	146,5	145,4
Industrial and municipal wastewater requiring treatment in dam <sup>3</sup>	102674	103087
Population connected to wastewater treatment plants <sup>a</sup> in % of total population	98,4	98,3
Emission of pollutants in tonnes:		
particulates	646	520
of which particulates from the combustion of fuels	609	503
gases (excluding CO <sub>2</sub> )	19573	18103
Mixed municipal waste collected from households per 1 inhabitant in kg	334	320

a Population using wastewater treatment plants – estimated data; total population – based on balances.

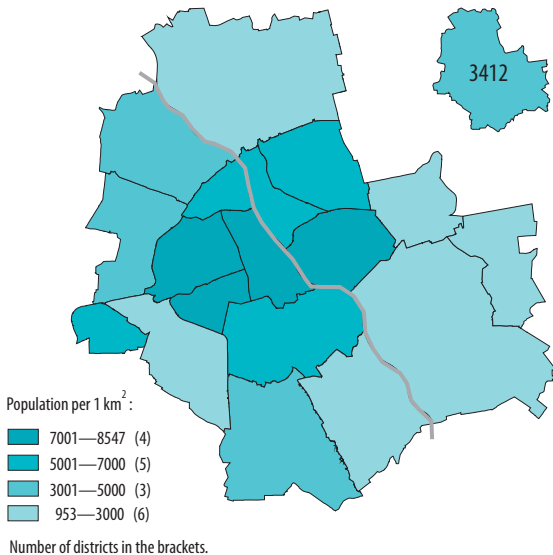
**Outlays on fixed assets in 2017**

	2016	2017
Population <sup>a</sup> in thous.	1754,0	1764,6
women	948,6	953,8
men	805,4	810,8
Women per 100 men	118	118
Median age	41,1	41,3
women	42,7	42,9
men	39,4	39,6
Average life expectancy		
women	82,7	82,7
men	76,2	76,5

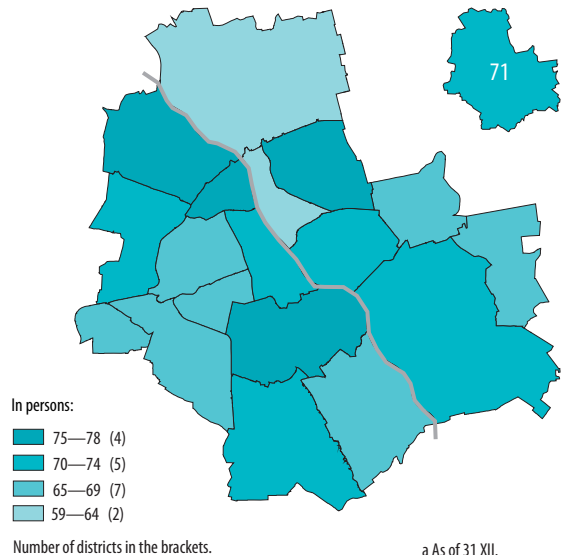
Structure of population<sup>a</sup> by economic age groups



Population density<sup>a</sup> in 2017

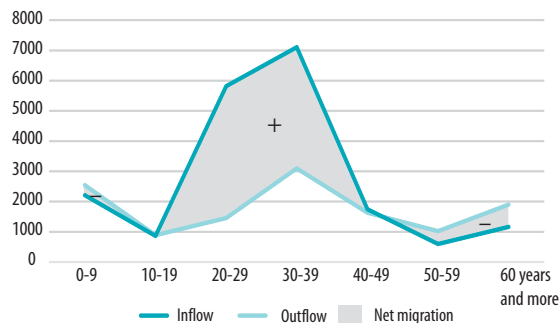


Non-working age population<sup>a</sup> per 100 working age population in 2017



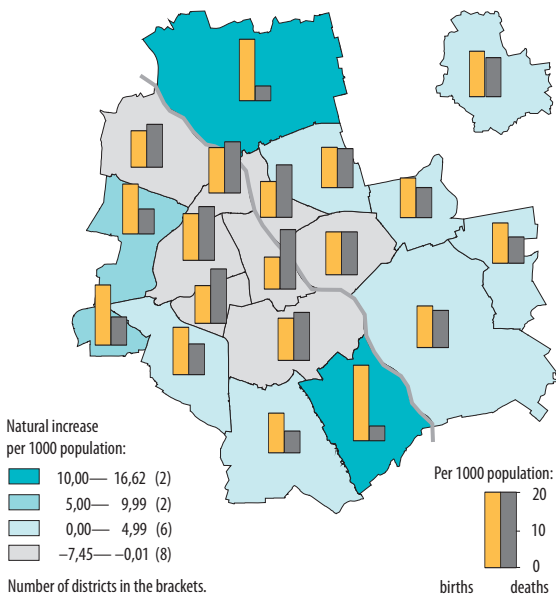
	2016	2017
Per 1000 population:		
marriages	4,99	5,11
divorces	1,79	1,99
live births	12,00	12,12
deaths	10,58	10,87
Live births per 1000 women aged 15–49		
	49,24	49,85
Total fertility rate		
	1,416	1,485

### Internal migration of population<sup>a</sup> for permanent residence by age groups in 2017

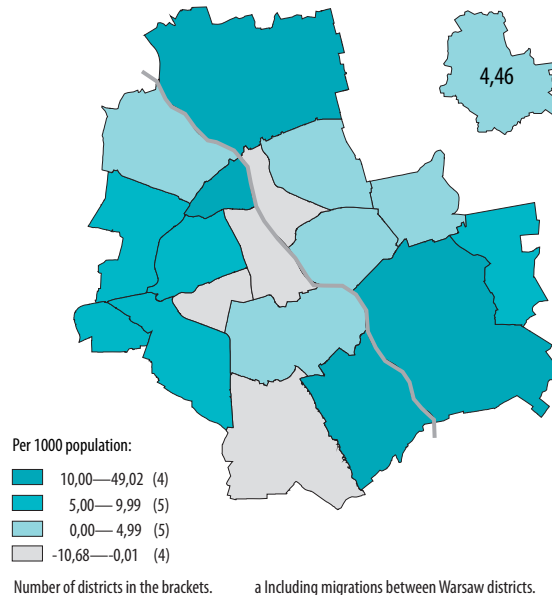


<sup>a</sup> Excluding migrations within the borders of Warsaw.

### Vital statistics in 2017



### Net migration<sup>a</sup> for permanent residence in 2017

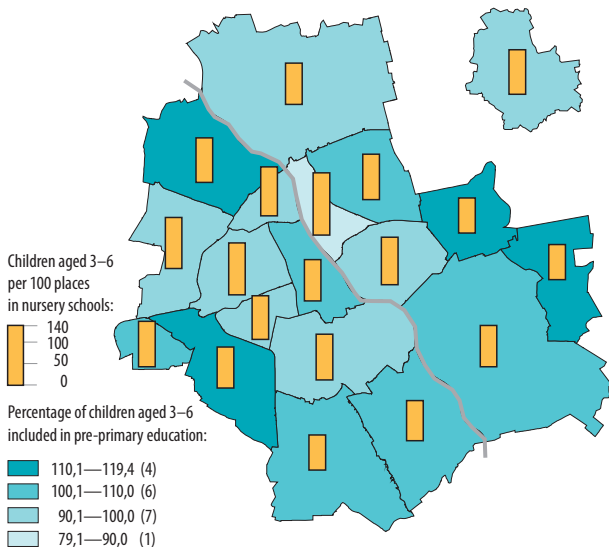


	2016/2017	2017/2018
Pre-primary education establishments	1026	1077
of which nursery schools	715	751
Places in nursery schools in thous.	68,4	75,9
Children in pre-primary education establishments in thous.	73,0	78,1
of which at the age of:		
5 years	19,7	20,1
6 years	13,4	17,3
of which in nursery schools	61,1	67,3

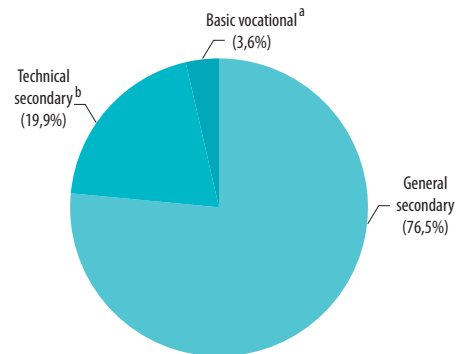
Schools:	Establishments	Students	Graduates
primary	403	124254	
lower secondary	57	31440	12887
sectoral VET school <sup>a</sup>	32	2169 <sup>b</sup>	607 <sup>c</sup>
general secondary	187	44752	12764
technical secondary for youth	55	17129	3236
general art schools <sup>d</sup>	6	785	89
post-secondary	101	13960	3702

a Including special job-training schools. b Including 1157 students of branches of basic vocational schools for youth. c Graduates of basic vocational schools. d Leading to professional certification.

### Pre-primary education in the school year 2017/2018



### Structure of graduates of upper secondary schools from the 2016/2017 school year



a Including special job-training schools. b Including general art schools leading to professional certification.

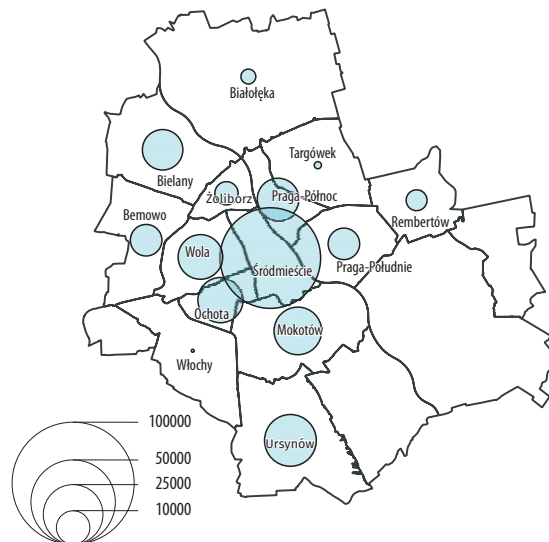


	2016/2017	2017/2018
Higher education institutions	70 <sup>a</sup>	70
Students <sup>b</sup> total	239542	230268
of which foreigners	19706	21683
study forms:		
full-time programmes	144868	140333
part-time programmes	94674	89935
Graduates <sup>bc</sup>	56526	60809

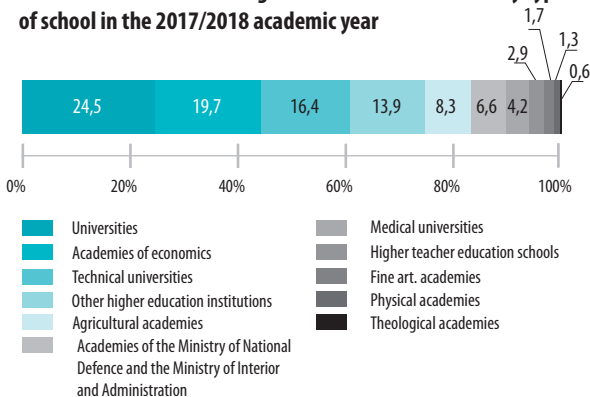
a Including higher education institutions, in which only graduates of the previous academic year have been shown. b According to actual location of organizational units. c From the previous academic year.

Note. In the 2017/2018 academic year, the number of higher education institutions in total was given in accordance with higher education register administered by the Ministry of Science and Higher Education. Information on students and graduates concerns 63 higher education institutions that submitted statistical reports.

### Students by actual location of school/section in the academic year 2017/2018

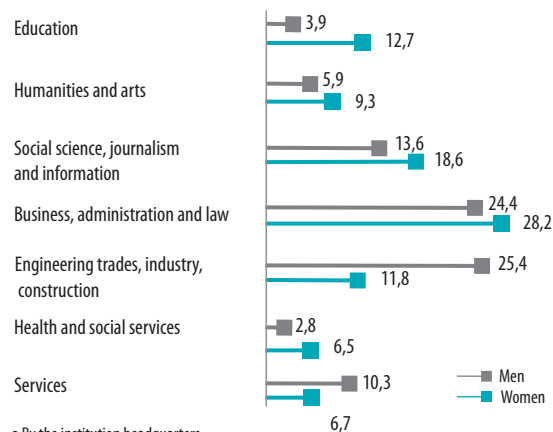


### Structure of students<sup>a</sup> of higher education institutions by type of school in the 2017/2018 academic year



a According to actual location of organizational units.

### Graduates of higher education institutions<sup>a</sup> from the 2016/2017 academic year by selected fields of education in total % of graduates of given sex



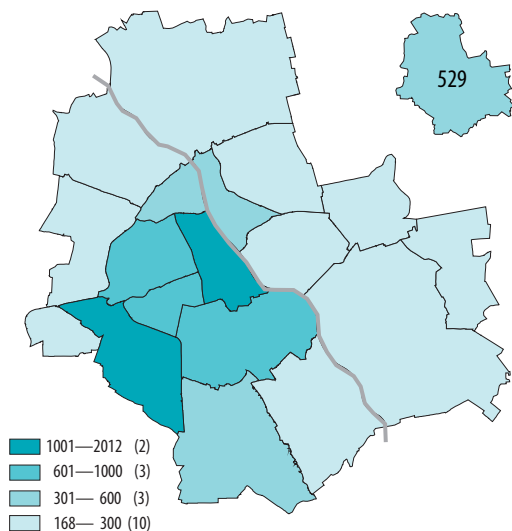
a By the institution headquarters.

	2016	2017
Employed <sup>a</sup> total	896400	934342
of which women	474817	494193
From the total number:		
industry and construction	116797	123452
trade; repair of motor vehicles, <sup>Δ</sup> transportation and storage, accommodation and catering, <sup>Δ</sup> information and communication	286999	300528
financial and insurance activities, real estate activities	112082	116704

a As of 31 XII.

### Employed persons per 1000 population in 2017

As of 31 XII

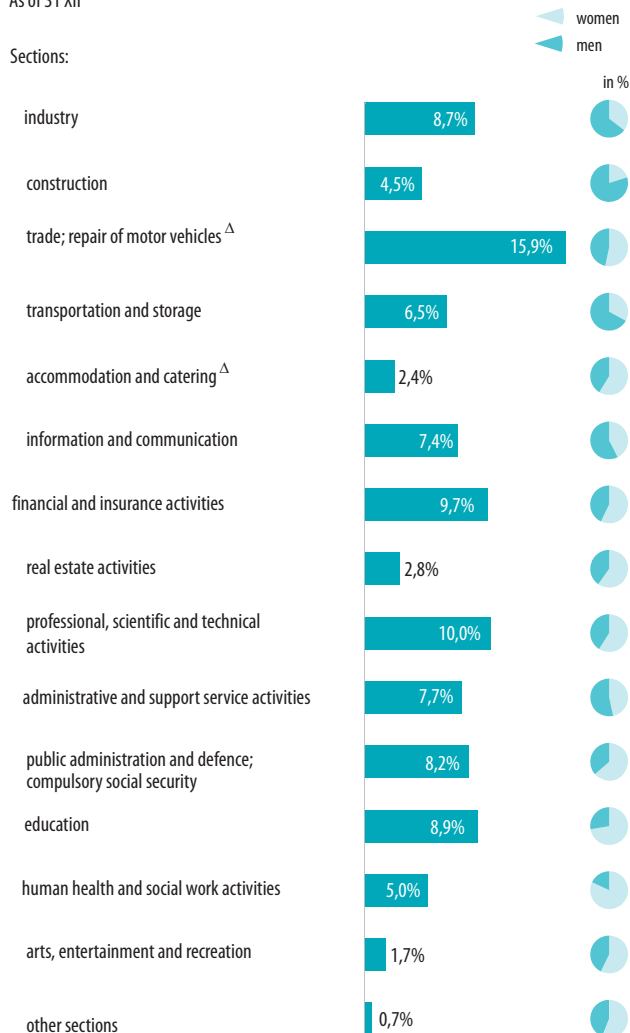


Number of districts in the brackets.

### Employed persons by sections and sex in 2017

As of 31 XII

Sections:

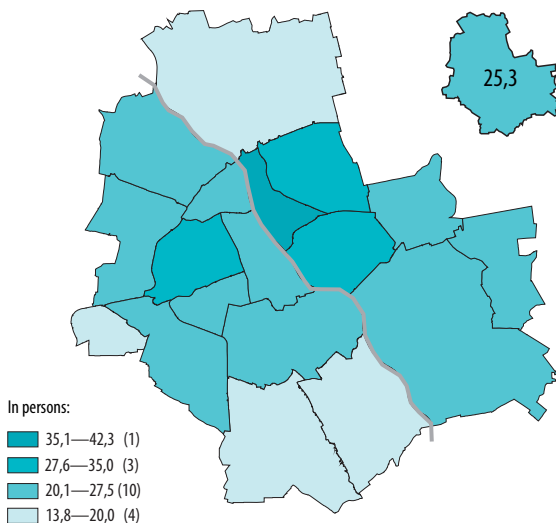


	2016	2017
Registered unemployed persons <sup>a</sup>	33212	26056
of which women	16645	13070
Newly registered unemployed persons	46991	40631
Unemployed persons removed from unemployment rolls	53503	47787
of which due to taking up work	27049	23229
Registered unemployment rate <sup>a</sup> in %	2,6	2,0
Unemployed persons <sup>a</sup> per 1 job offer	11	9

### Statistical unemployed resident of Warsaw<sup>a</sup> in 2017



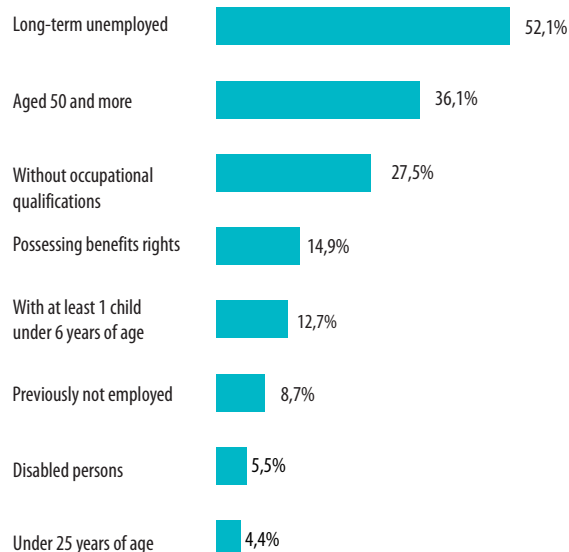
### Registered unemployed persons<sup>a</sup> per 1000 working age population in 2017



Number of districts in the brackets.

<sup>a</sup> As of 31 XII.

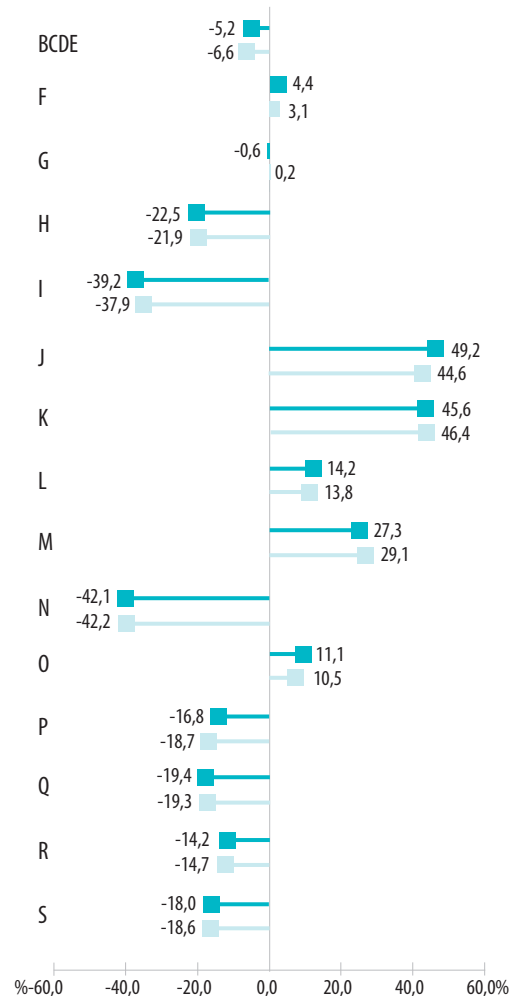
### Share of selected categories of unemployed<sup>a</sup> in 2017



Average monthly gross wages and salaries<sup>a</sup> in PLN

	2016	2017
Total	5739,61	6059,04
Industry (BCDE)	5441,67	5657,14
Construction (F)	5991,18	6245,49
Trade; repair of motor vehicles <sup>Δ</sup> (G)	5702,46	6073,66
Transportation and storage (H)	4445,59	4734,11
Accommodation and catering <sup>Δ</sup> (I)	3487,58	3764,54
Information and communication (J)	8561,92	8762,84
Financial and insurance activities (K)	8358,63	8872,07
Real estate activities (L)	6553,68	6894,63
Professional, scientific and technical activities (M)	7303,88	7822,64
Administrative and support service activities (N)	3323,05	3500,88
Public administration and defence; compulsory social security (O)	6377,40	6696,59
Education (P)	4775,13	4924,37
Human health and social work activities (Q)	4625,62	4892,57
Arts, entertainment and recreation (R)	4924,80	5169,45
Other service activities (S)	4705,63	4934,92

Deviations of average monthly gross wages and salaries<sup>a</sup> from the average wages and salaries in the national economy



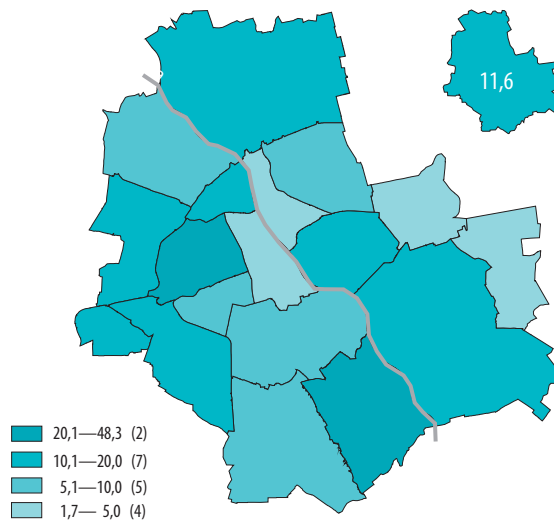
<sup>a</sup> Excluding economic entities employing up to 9 persons; excluding persons employed abroad.

	2016	2017
Dwelling stocks (as of 31 XII)		
dwelling in thous.	932,6	952,7
useful floor area of dwellings in thous. m <sup>2</sup>	54916,0	56166,6
average:		
number of rooms in a dwelling	3,17	3,16
useful floor area in m <sup>2</sup> :		
per 1 dwelling	58,9	59,0
per capita	31,3	31,8
Dwellings completed	20119	20331
per 1000 population	11,5	11,6
per 1000 contracted marriages	2304	2265
useful floor area of dwellings in thous. m <sup>2</sup>	1192,5	1282,0
average useful floor area of 1 dwelling in m <sup>2</sup>	59,3	63,1

### Average duration of construction of new residential buildings completed in 2017

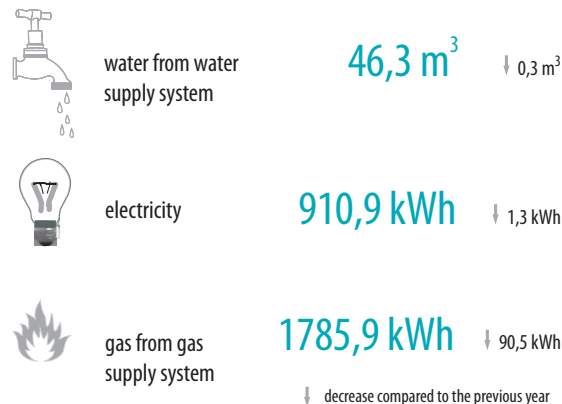
Construction:	months
private	48,4
cooperative	26,8
for sale or rent	24,6
municipal	15,0

### Dwellings completed per 1000 population in 2017



Number of districts in the brackets.

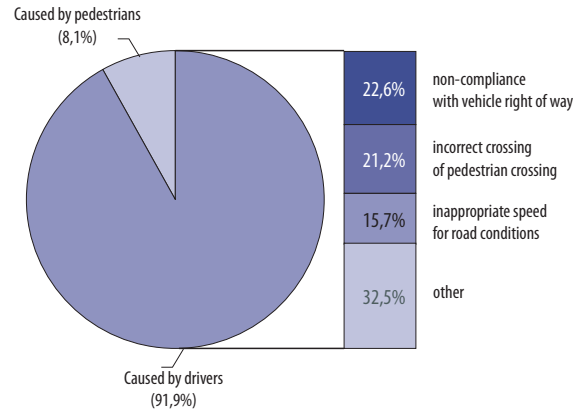
### Consumption per capita in households in 2017



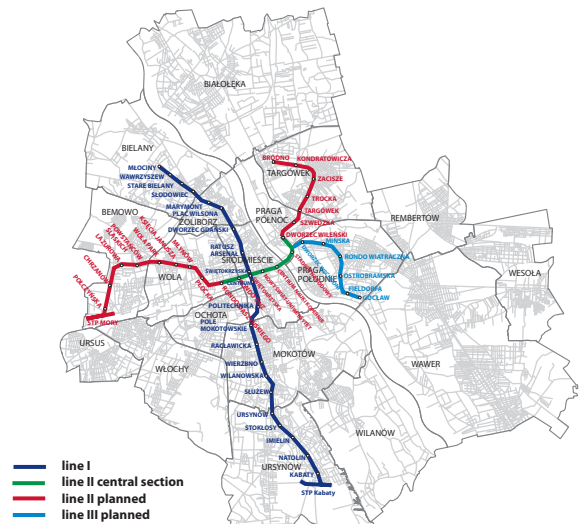
	2016	2017
Public roads per <sup>a</sup> 100 km <sup>2</sup> in km:		
hard surface district roads	110,5	111,1
hard surface communal roads	271,5	276,1
Passenger cars <sup>ab</sup> per 1000 population	673	706
Road vehicles and tractors registered <sup>b</sup> for the first time	143912	153952
Transport of passengers by public transport during the year in mln:		
trams	272	269
buses	574	591
urban rapid rail	24	23
metro	184	187
„Park&Ride” (P+R) carparks <sup>a</sup>	14	14
„Bike and Ride” parking areas	8411 <sup>c</sup>	9433 <sup>c</sup>
Public Bike System		
bicycle rentals during the year in thous.	1835	5064
Road traffic accidents	917	1072
per 10 thous. registered road vehicles and tractors <sup>a</sup>	6,4	7,1
casualties	1104	1271

a As of 31 XII. b including road vehicles having temporary permission issued at the end of a given year. c Number of bicycle stands.

### Major causes of road traffic accidents in 2017



### Metro in Warsaw in 2017



	2016	2017
Beds in general hospitals <sup>ab</sup>	12490	12377
per 10 thous. population	71	70
Patients <sup>c</sup> per 1000 population in general hospitals	360,6	353,0
Out-patient consultations in thous.	21916,7	22628,3
doctors	19150,6	19729,5
stomatological	2766,1	2898,8
Population per 1 generally available pharmacy <sup>a</sup>	2686	2682
Blood donors per 10 thous. population	230	230

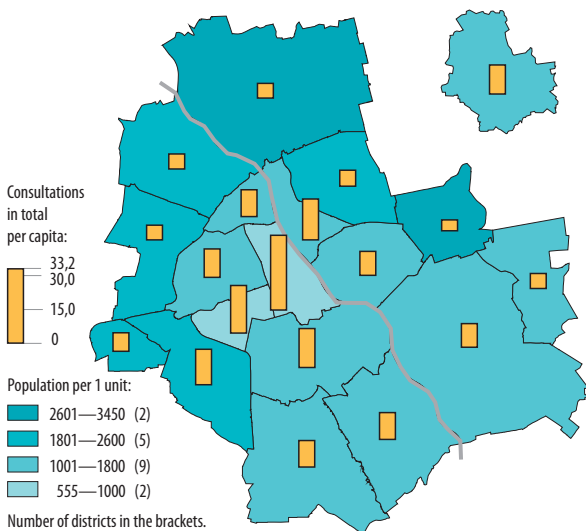
a As of 31 XII. b Including beds and incubators for newborns on neonatology wards. c Excluding inter-ward patient transfer.

Medical personnel<sup>a</sup> per 10 thous. population in 2017

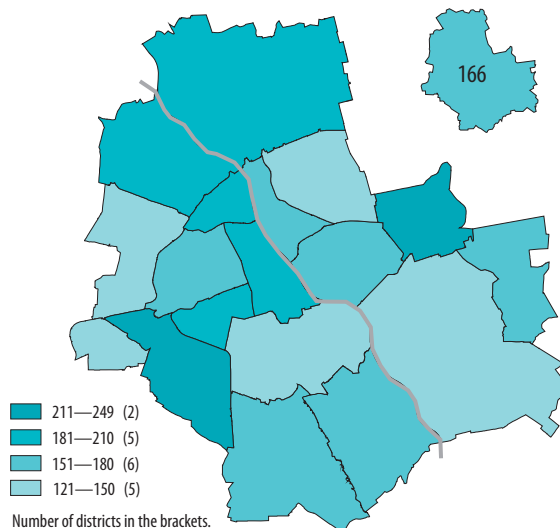
doctors	48,2
dentists	4,8
nurses	78,9
midwives <sup>b</sup>	17,2

a As of 31 XII; data refer to persons working directly with patients. b Per 10 thous. women.

Out-patient health care in 2017



Children in nurseries<sup>a</sup> and children's clubs up to the age of 3 per 1000 children at the same age in 2017



a Including nursery wards.

	2016	2017
Foster families <sup>a</sup>	1342	1260
Children <sup>ab</sup> in foster families	1645	1559
of which under 18 years of age	1225	1175
Foster homes <sup>a</sup>	11	11
Children <sup>ab</sup> in foster homes	59	64

a As of 31 XII. b Aged under 25.

### Supporting family in 2017



100527

Average monthly number of families receiving child-raising benefit<sup>a</sup>



129364

Average number of children in families for which a child-raising benefit<sup>a</sup> was granted



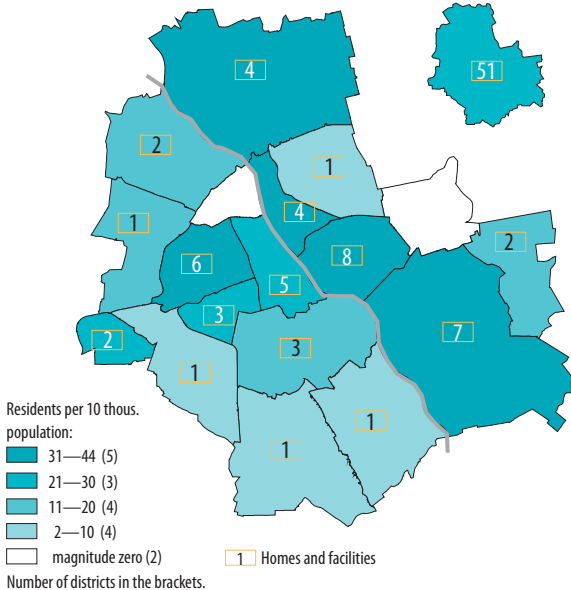
16087

Number of families with the Large Family Card

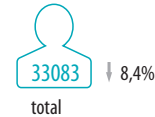
a As part of the „Family 500 +“ programme.

### Stationary social welfare in 2017

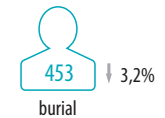
As of 31 XII



### Recipients of social welfare benefits<sup>a</sup> in 2017



of which:



↓ decrease compared to the previous year

a Under the item benefits, recipients may be shown several times.

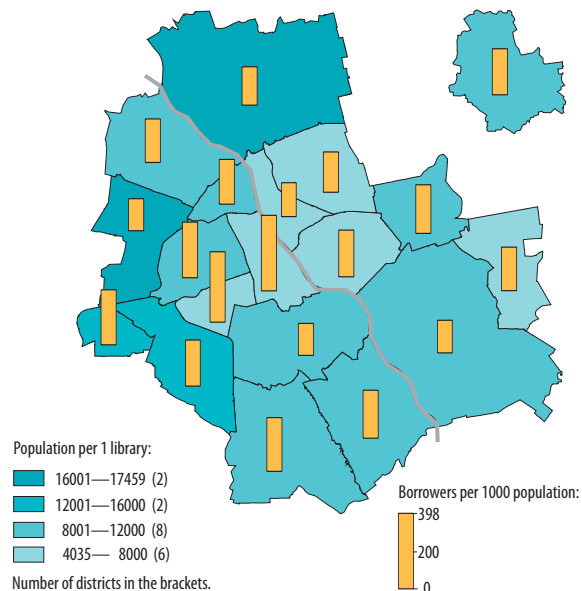


	2016	2017
Public libraries <sup>a</sup> (with branches)	201	203
Collection <sup>a</sup> per 1000 population in vol.	3767	3758
Loans per 1 borrower in volumes	14,4	14,2
Theatres and music institutions <sup>ab</sup>	40	40
Audience:		
per 1 performance	260	257
per 1000 population	1908	2065
Fixed cinemas <sup>a</sup>	31	28
Audience:		
per 1 performance	32	32
per 1000 population	4286	4464
Museums (with branches) <sup>a</sup>	70	66
Visitors per 1000 population	5468	5700

a As of 31 XII. b By the seat.

### Public libraries (with branches) in 2017

As of 31 XII



### Subscribers<sup>a</sup> per 1000 population in 2017



radio

225

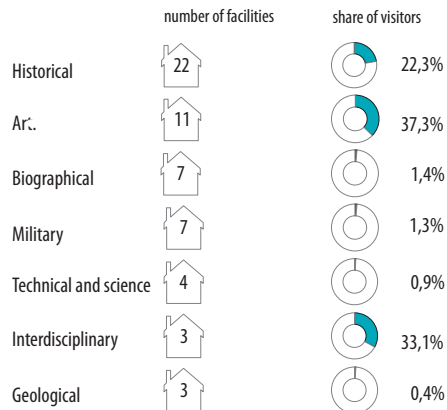


television

213

a As of 31 XII.

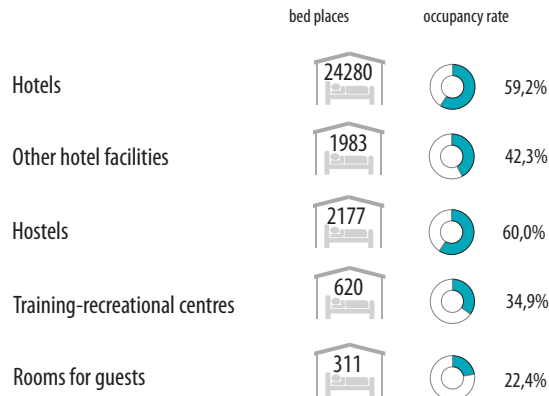
### Museums<sup>a</sup> by selected types in 2017



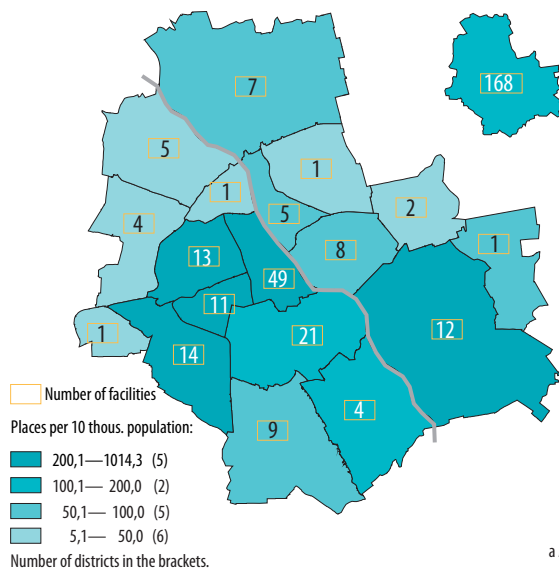
a As of 31 XII; including branches.

	2016	2017
Tourist accommodation facilities <sup>a</sup>	148	168
of which hotels	85	86
Bed places <sup>a</sup> in thous.	28,8	31,0
Tourist accommodated in thous.	3315,5	3559,3
of which in hotels	2975,9	3135,2
Overnight stays in thous.	5655,4	6160,2
of which foreign tourists	2389,3	2553,2
Average length of stay of tourists in tourist accommodation facilities in days	1,7	1,7
of which foreign tourists	1,9	1,9

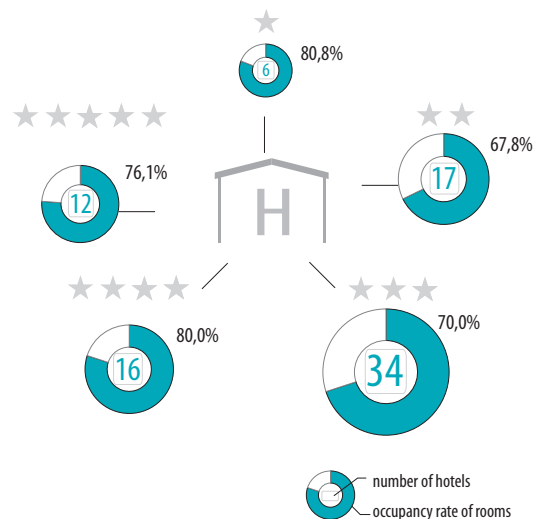
### Bed places<sup>a</sup> and occupancy rate in selected accommodation facilities in 2017



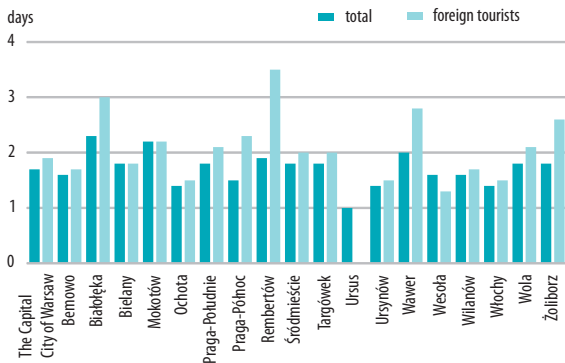
### Tourist accommodation establishments<sup>a</sup> in 2017



### Hotels<sup>a</sup> by category in 2017

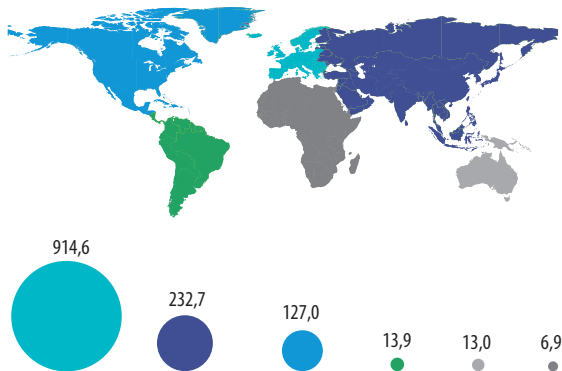


### Average length of stay of tourists in tourist accommodation establishments in 2017

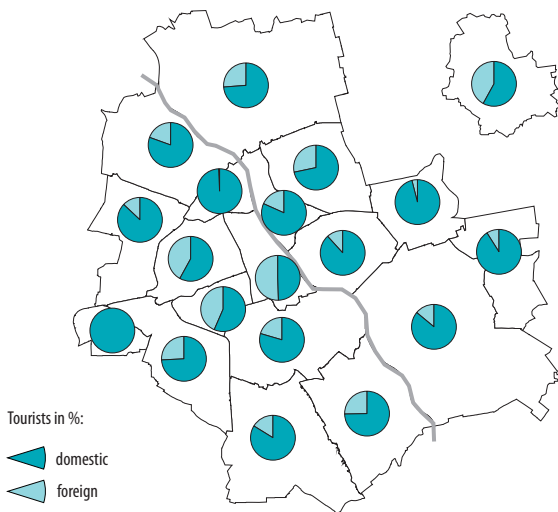


### Foreign tourists accommodated in tourist accommodation establishments in 2017

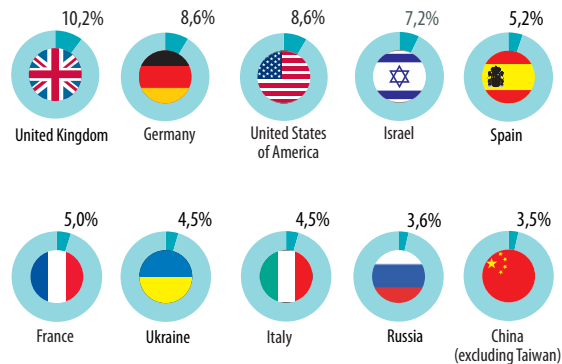
by continents in thous.



### Tourists accommodated in 2017



by selected countries in %



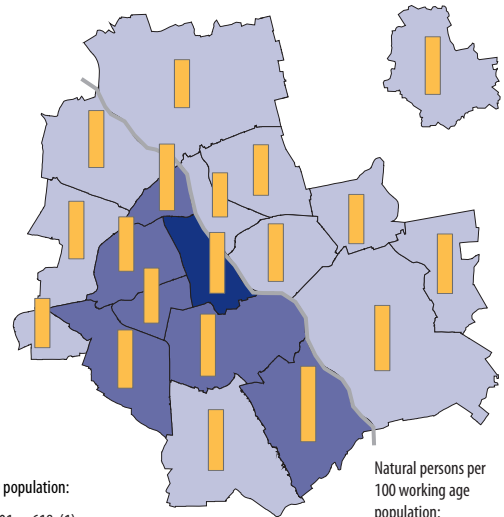
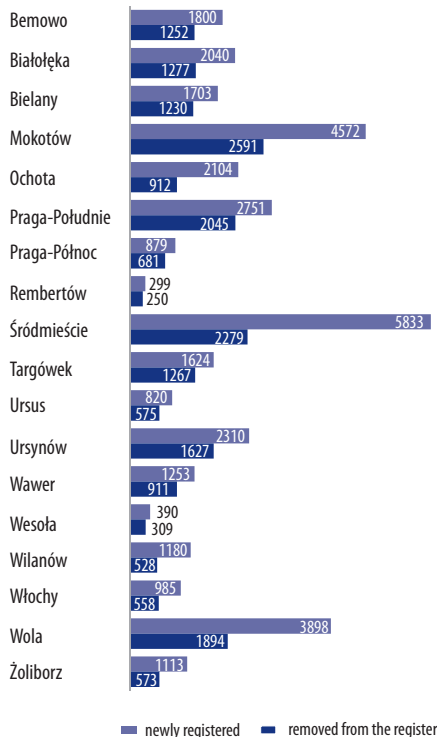
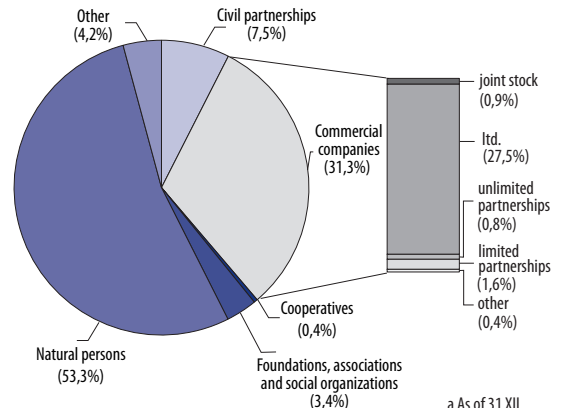
## Entities of the national economy in 2017

As of 31 XII

	2016	2017
Entities of the national economy <sup>a</sup> in thous.	419,4	434,7
of which natural persons	227,0	231,5
Newly registered entities in thous.	37,8	35,6
per 1000 population	21,6	20,2
Entities removed from the register in thous.	20,8	20,9
per 1000 population	11,9	11,9

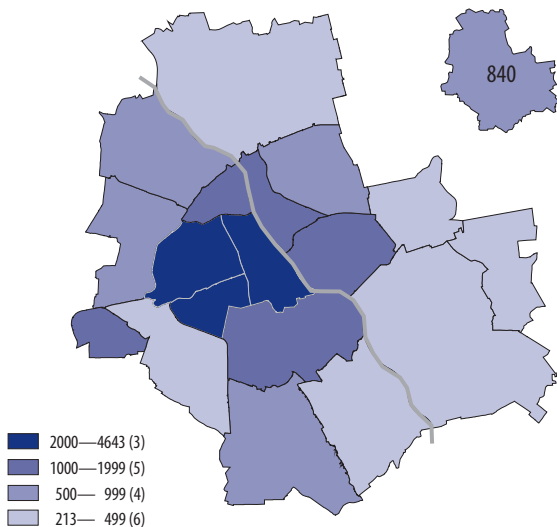
a As of 31 XII.

## Entities of the national economy in 2017


 Structure of entities of the national economy<sup>a</sup> by legal status in 2017


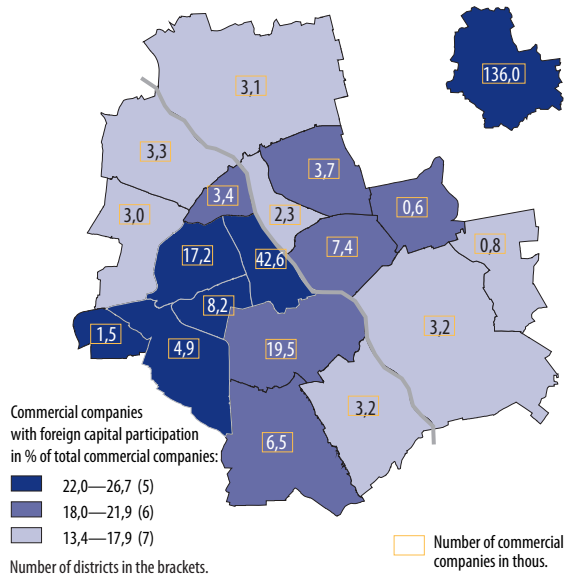
## Entities of the national economy per 1 km<sup>2</sup> in 2017

As of 31 XII



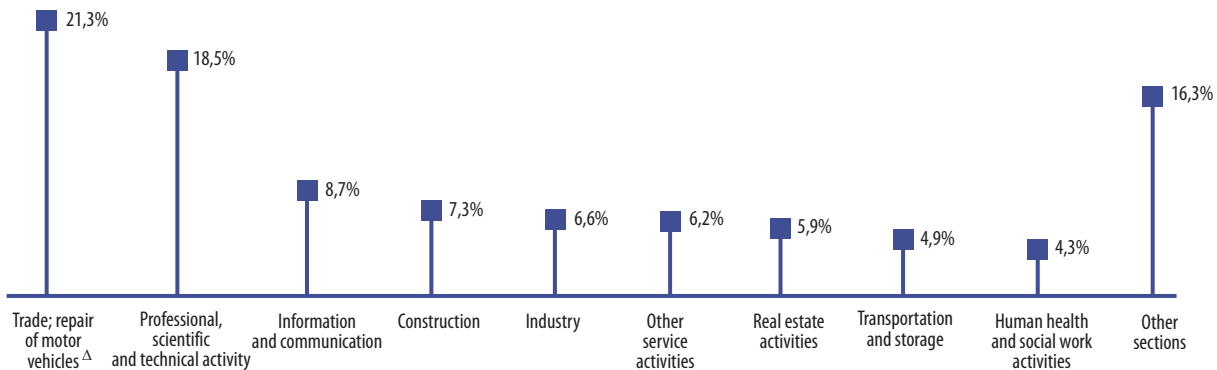
## Commercial companies in 2017

As of 31 XII



## Structure of entities of the national economy by sections in 2017

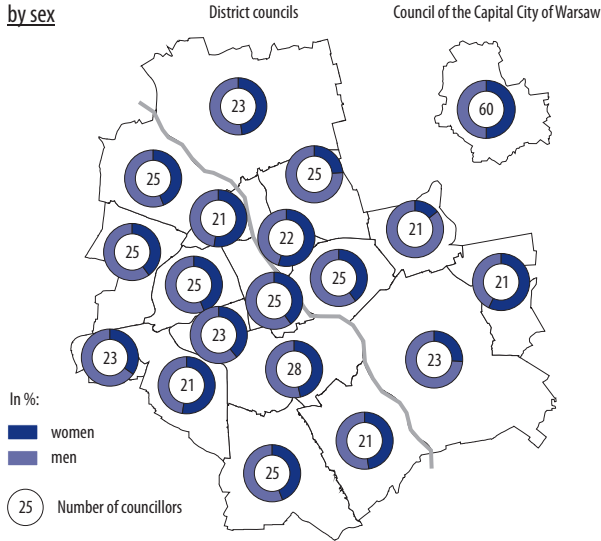
As of 31 XII



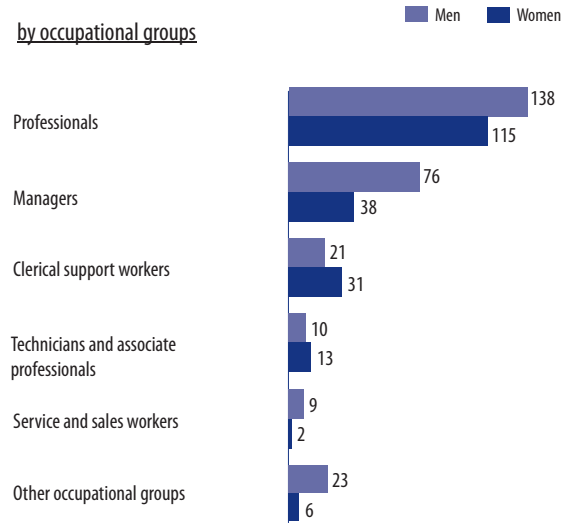
### Councillors of the council of the Capital City of Warsaw and district councils in 2017

Stan w dniu 31 XII

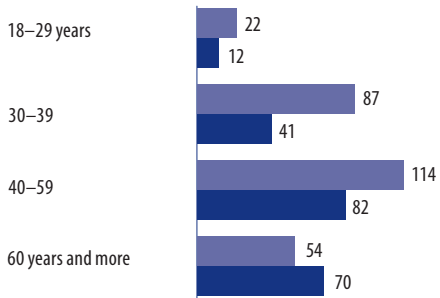
by sex



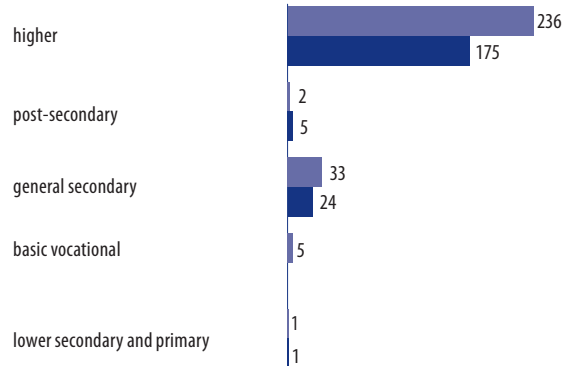
by occupational groups



by age



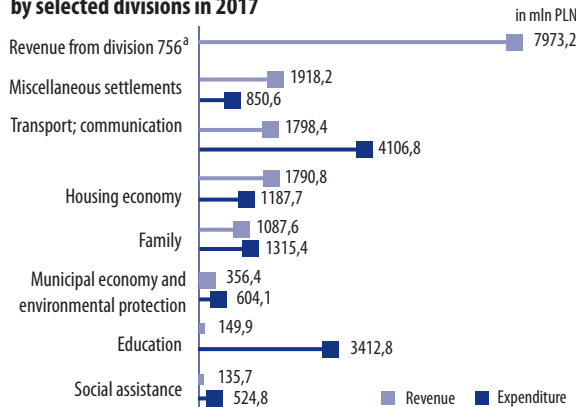
by education



### Budget of the Capital City of Warsaw

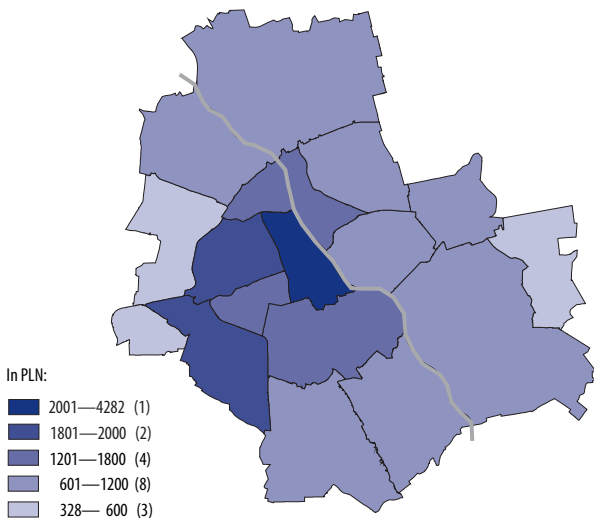
	2016		2017	
	in mln PLN		in percent	
Revenue	14722,2	15476,7	100,0	
city part	10050,8	10829,5	70,0	
powiat part	2301,0	2384,2	15,4	
district part	2370,4	2263,0	14,6	
Expenditure	13789,8	15271,7	100,0	
city part	6160,8	6877,2	45,0	
powiat part	1309,6	1353,0	8,9	
district part	6319,4	7041,5	46,1	
Surplus	932,4	205,0	x	

### Revenue and expenditure of the Capital City of Warsaw budget by selected divisions in 2017



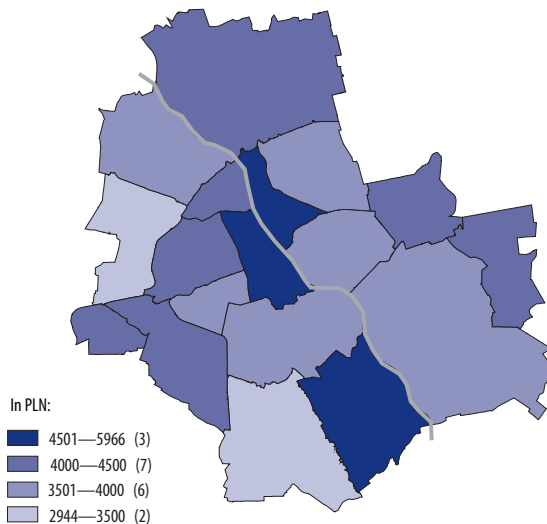
<sup>a</sup> Income taxes from legal persons, natural persons and other organizational units without legal personality and expenses associated with their intake.

### Revenue of the district part of the Capital City of Warsaw budget per capita in 2017

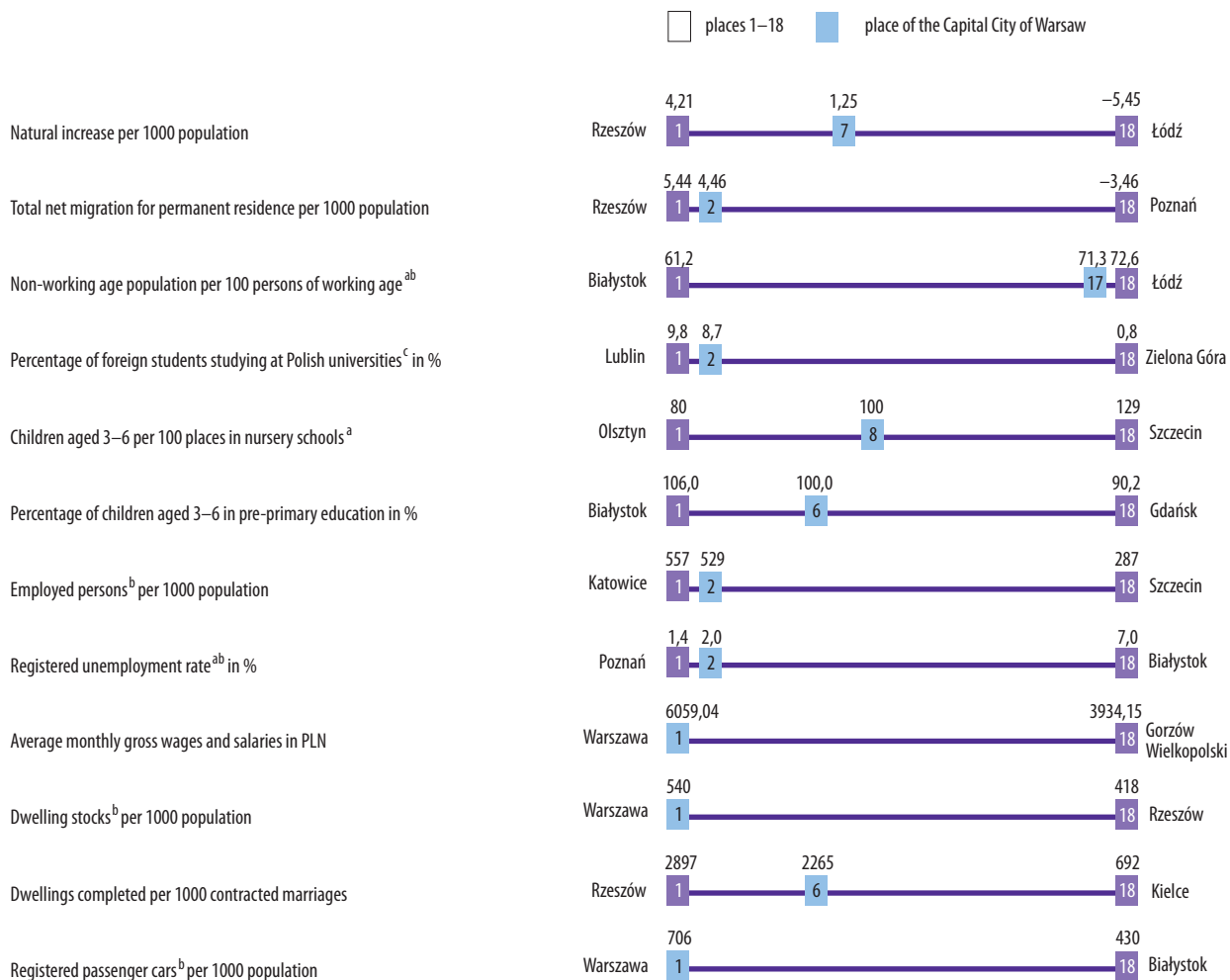


Number of districts in the brackets.

### Expenditure on the district part of the Capital City of Warsaw budget per capita in 2017

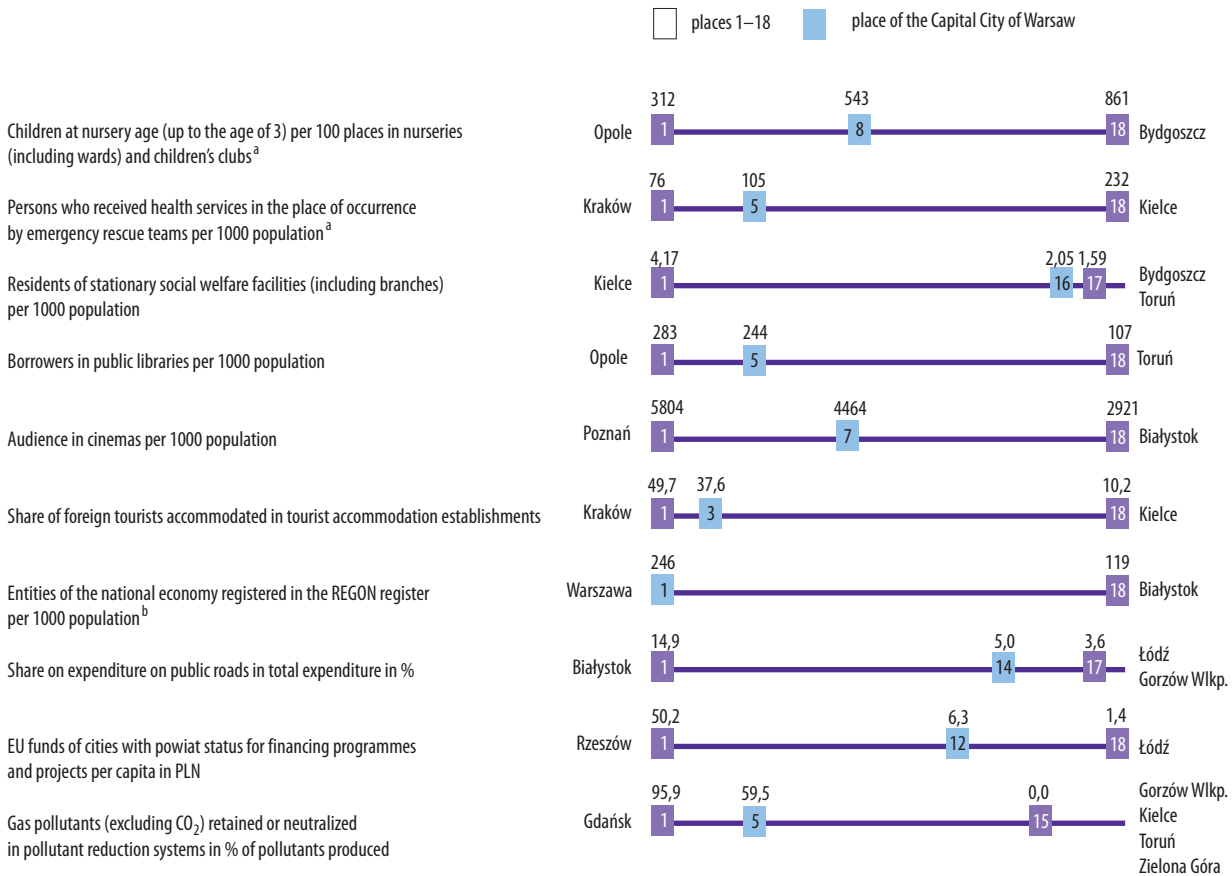


Number of districts in the brackets.



a The lowest value was marked as 1 place, while the highest – as the last place. b As of 31 XII. c By the seat.



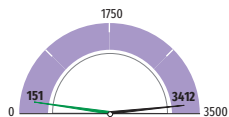


a The lowest value was marked as 1 place, while the highest – as the last place. b As of 31 XII.

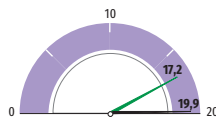
# WARSAW COMPARED TO MAZOWIECKIE VOIVODSHIP IN 2017

— Mazowieckie  
— the Capital City of Warsaw

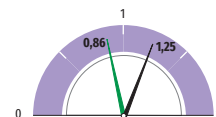
Population per 1 km<sup>2</sup>



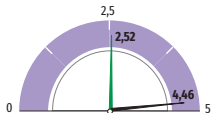
Percentage of population aged 65 and more



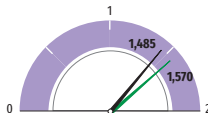
Natural increase per 1000 population



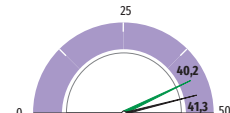
Total net migration for permanent residence per 1000 population



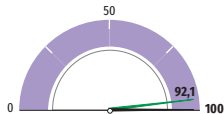
Total fertility rate



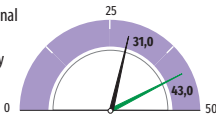
Median age



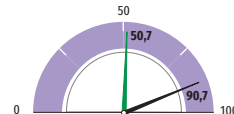
Percentage of children aged 3–6 in pre-primary education in %



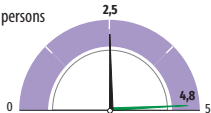
Share of students of vocational schools in the number of students of upper secondary schools (excluding post-secondary) in %



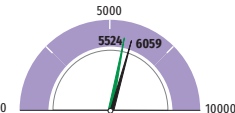
Employed persons per 100 working age population



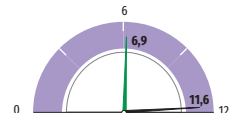
Registered unemployed persons per 100 working age population



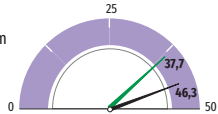
Average monthly gross wages and salaries in PLN



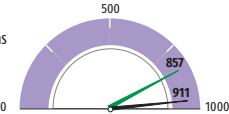
Dwellings completed per 1000 population



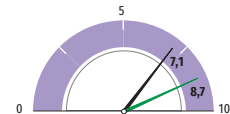
Consumption of water from water supply system in households per capita in m<sup>3</sup>



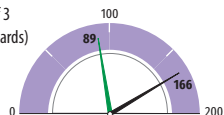
Consumption of electricity in households in urban areas per capita in kWh



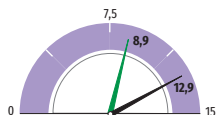
Road traffic accidents per 10 thous. registered road vehicles and tractors



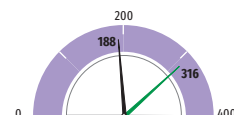
Children up to the age of 3 in nurseries (including wards) and children's clubs per 1000 children in the same age group



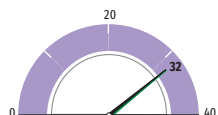
Out-patient consultations per capita



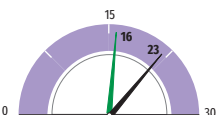
Persons awarded a social welfare benefit decision per 10 thous. population



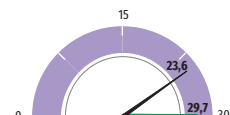
Audience in fixed cinemas per 1 screening



Natural persons conducting economic activity per 100 working age population



Share of area under legal protection in % of grand total areas



Due to the nature of the publication, explanations, detailed comments and notes on methodology published in other publications of the Statistical Office in Warszawa, were omitted.

Due to the electronic mode of data processing, in some cases sums of components may differ from the amount given in the „total” item.

Some information for the last year was given on the basis of preliminary data and may change in subsequent publications.

#### Data sources:

Head Office of Geodesy and Cartography – geographical location and geodesic area

Institute of Meteorology and Water Management – meteorological data

Ministry of National Education – data on education (excluding higher education institutions)

Ministry of Science and Higher Education – data on higher education institutions

Ministry of Family, Labour and Social Policy – data on unemployment and supporting family

Ministry of Digital Affairs – data on registered vehicles

Warsaw City Hall – data on bicycle parking areas

Board of Municipal Transport – data on „Park&Ride” carparks

National Police Headquarters – data on road traffic accidents

Board of Warsaw Metro – diagram of metro lines

Ministry of Health and Ministry of the Interior and Administration – data on medical personnel

Office of Mazowieckie Voivodship – data on persons receiving social assistance benefits

[www.bip.warszawa.pl](http://www.bip.warszawa.pl) – data on the budget of the Capital City of Warsaw

symbol  $\Delta$  – categories of applied classification are presented in abbreviated form