

# With Statistics through Warsaw 2020

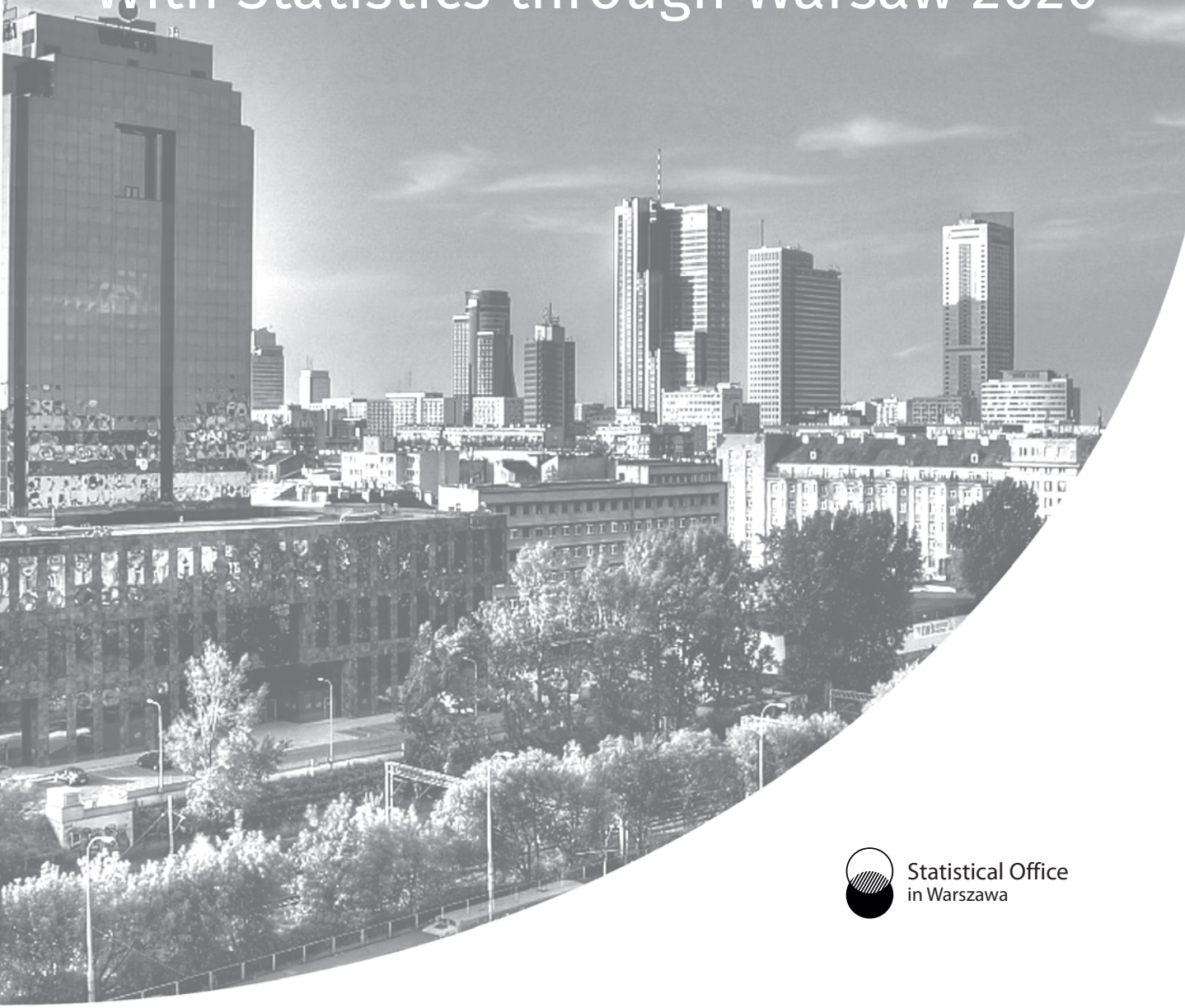
Warszawa 2020



Statistical Office  
in Warszawa



# With Statistics through Warsaw 2020



Statistical Office  
in Warszawa

Content-related works  
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## SYMBOLS

Symbol	Description
$\Delta$	categories of applied classification are presented in abbreviated form
„Of which”	indicates that not all elements of the sum are given

## MAIN ABBREVIATIONS

Abbreviation	Full name	Abbreviation	Full name
km	kilometre	$m^3$	cubic metre
$km^2$	square kilometre	$dam^3$	cubic decametre
$^{\circ}C$	centigrade	kg	kilogram
mm	millimetre	PLN	Polish zloty
h	hour	kWh	kilowatt hour
$m^2$	square metre	vol.	volume

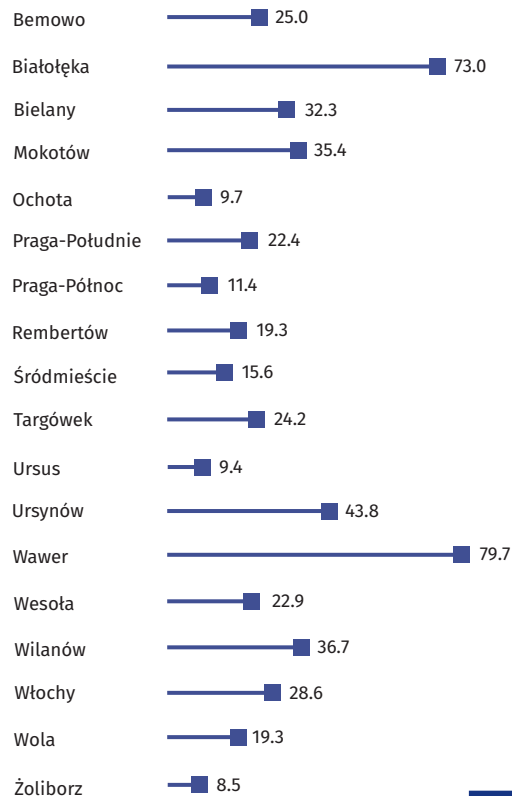


517.2 km<sup>2</sup> area of Warsaw

15.4% Wawer district  
highest share in the total area

1.6% Żoliborz district  
lowest share in the total area

**Area (in km<sup>2</sup>) by districts in 2019**  
As of 1 January



**Geographical location of Warsaw**

longitude east

20°51'06" west

21°16'16" east

north latitude

52°22'05" north

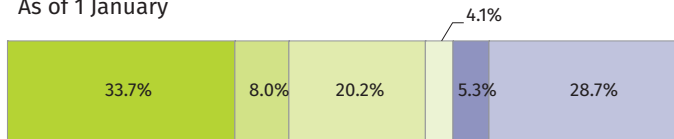
52°05'52" south

	2018	2019
Area per 1 inhabitant in m <sup>2</sup>	291	289
Average air temperature in °C	10.4	10.9
maximum	21.4	22.9
minimum	-3.2	-1.7
Total annual precipitation in mm	433	390
Average wind velocity in m/s	3.4	3.6
Insolation in h	1750	1651
Average cloudiness in octants <sup>a</sup>	4.9	5.1

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

### Structure of built-up and urbanized areas in 2019

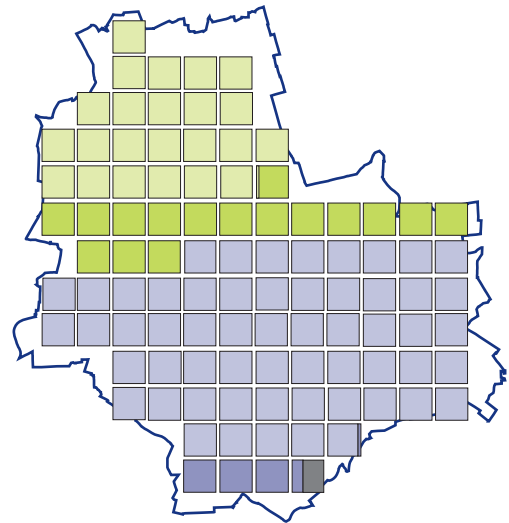
As of 1 January



- Residential areas
- Urbanized non-built-up areas or during built-up
- Industrial areas
- Recreational areas
- Other built-up areas
- Transport areas

### Geodesic area by directions of land use in 2019

As of 1 January



In %:

- arable land (23.1%)
- built-up and urbanized areas (56.9%)
- forest land (15.9%)
- lands under waters (3.4%)
- other land (0.7%)

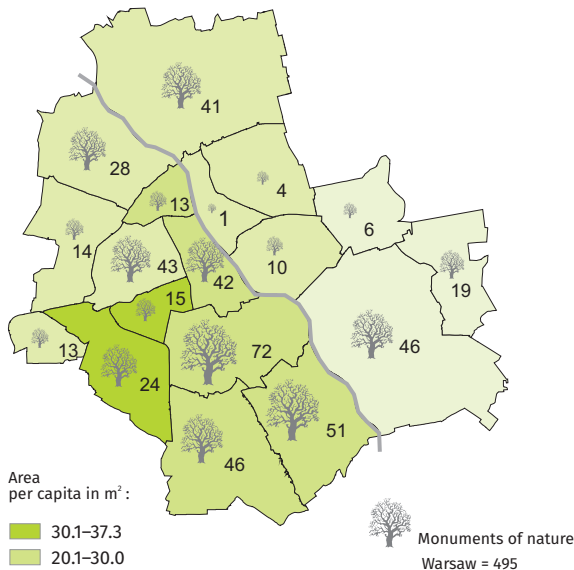
**96.8%** Ochota district  
largest share in built-up  
and urbanized areas

**25.8%** Wilanów district  
lowest share in built-up  
and urbanized areas



### Area of parks, lawns and green areas of housing estates per capita and monuments of nature in 2019

As of 1 January

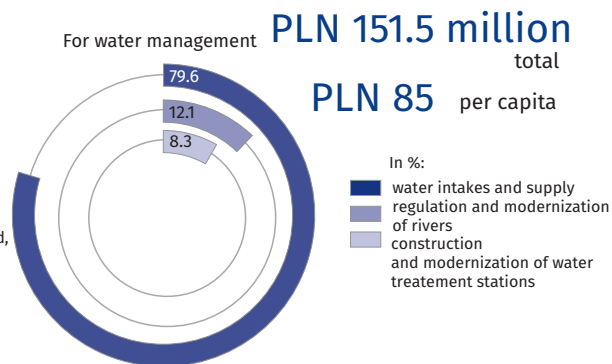
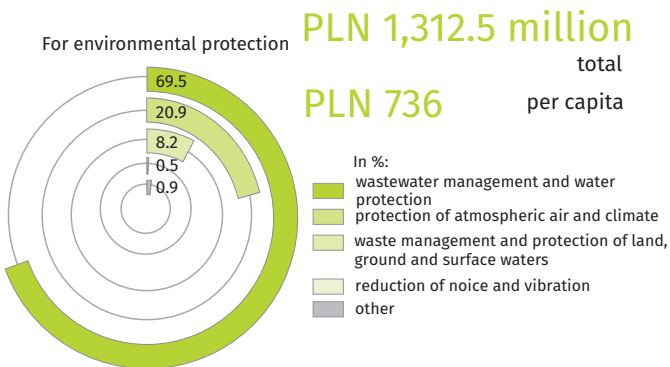


Warsaw = 18.5

	2018	2019
Water withdrawal for needs of the national economy and population in m <sup>3</sup>	146.5	135.4
Industrial and municipal wastewater requiring treatment in dam <sup>3</sup>	106338	111036
Population connected to wastewater treatment plants in % of total population <sup>a</sup>	98.7	98.3
Emission of pollutants in tonnes:		
particulates	456	395
of which particulates from the combustion of fuels	432	371
gases (excluding CO <sub>2</sub> )	16244	15353
Mixed municipal waste collected from households per 1 inhabitant in kg	301	271

<sup>a</sup> Population connected to wastewater treatment plants – estimated data; total population – based on balances.

### Outlays of fixed assets in 2019

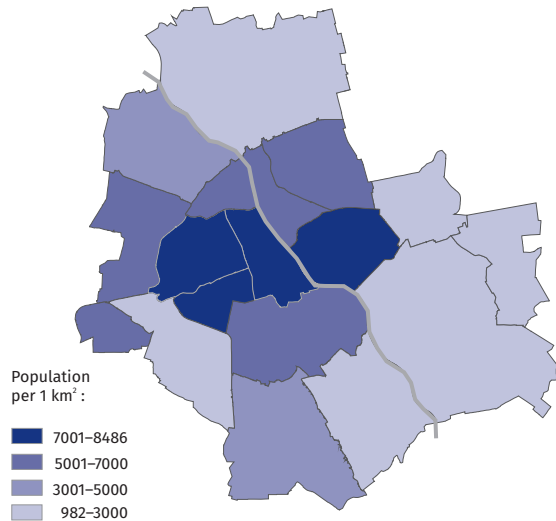


	2018	2019
Population <sup>a</sup> in thousands	1778.0	1790.7
women	960.3	966.3
men	817.7	824.3
Women per 100 men	117	117
Median age	41.5	41.7
women	43.0	43.3
men	39.8	40.1
Average life expectancy		
women	82.9	82.9
men	76.0	76.7

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

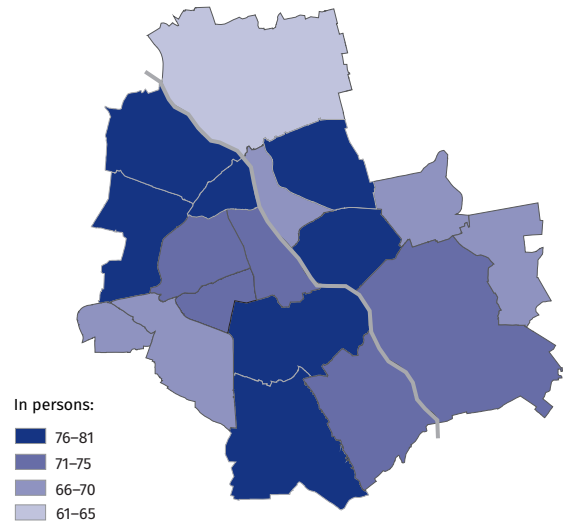


Population density<sup>a</sup> in 2019



Warsaw = 3462

Non-working age population<sup>a</sup> per 100 persons of working age in 2019



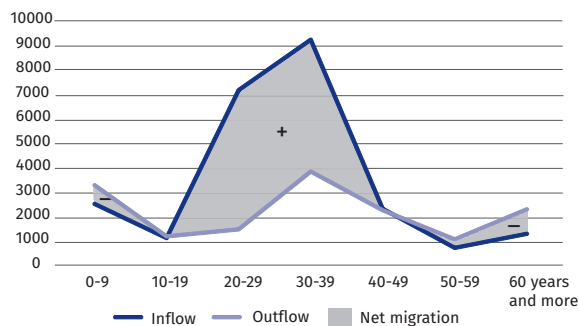
Warsaw = 75

a As of 31 December.

## POPULATION

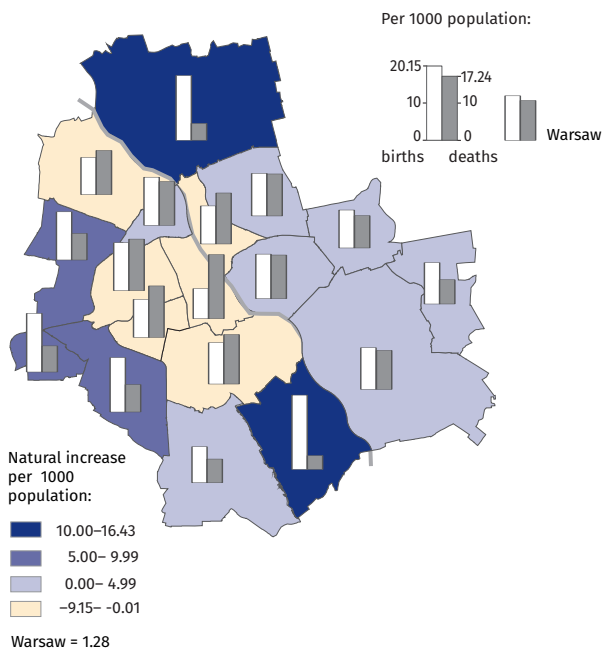
	2018	2019
Per 1000 population:		
marriages	5.18	5.16
divorces	2.03	1.93
live births	12.02	11.98
deaths	11.12	10.70
Live births per 1000 women aged 15–49	49.46	49.18
Total fertility rate	1.5277	1.5665

### Internal migration of population<sup>a</sup> for permanent residence by age groups in 2019

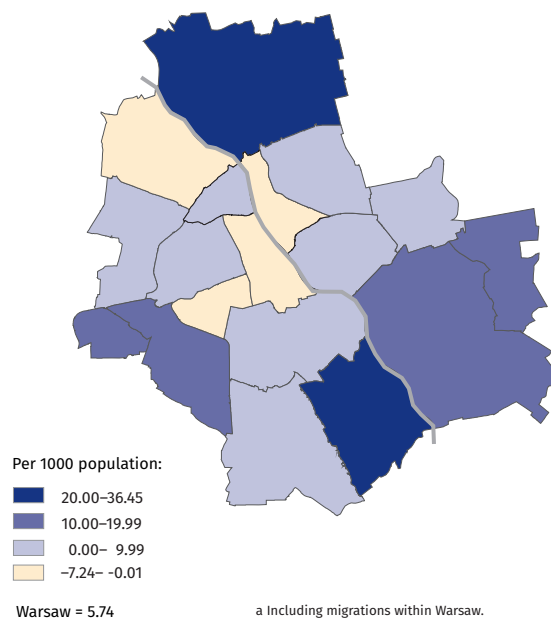


<sup>a</sup> Excluding migrations within Warsaw.

### Natural increase of population in 2019



### Net migration<sup>a</sup> for permanent residence in 2019

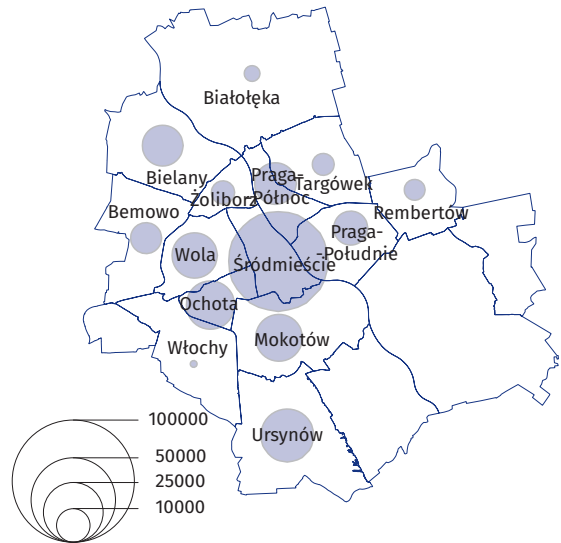


	2018/2019	2019/2020
Higher education institutions	71	68
Students <sup>a</sup> total	219559	219038
of which foreigners	24177	24436
study forms:		
full-time programmes	134024	133139
part-time programmes	85535	85899
Graduates <sup>ab</sup>	52286	50611

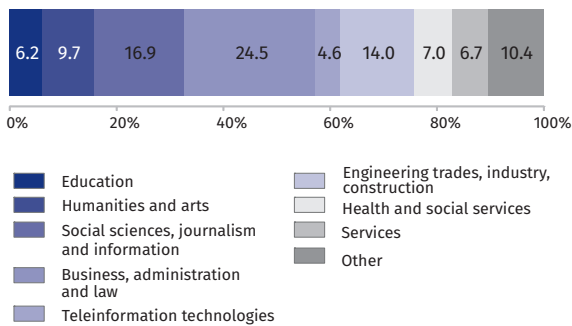
a By actual location of organizational units. b Persons who obtained diplomas of graduation - for the academic year 2018/19 in the period from 1 December 2017 to 31 December 2018, and for the academic year 2019/20 in the period from 1 January to 31 December 2019.

Note. 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 higher education institutions that submitted statistical reports.

Students by actual location of higher education institution/branch in the 2019/2020 academic year

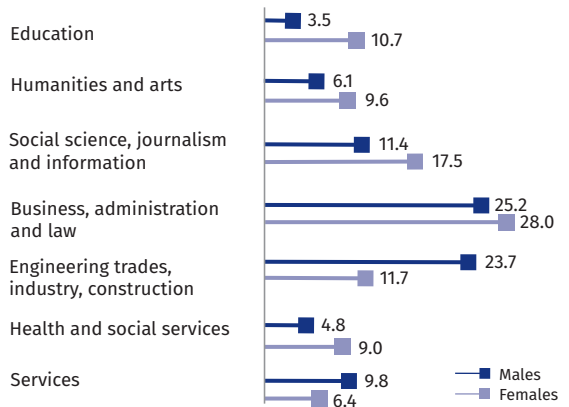


Structure of students<sup>a</sup> of higher education institutions by fields of education in the 2019/2020 academic year



a By the seat of home university.

Graduates of higher education institutions<sup>a</sup> in 2019 by selected fields of education in % of total graduates of given sex



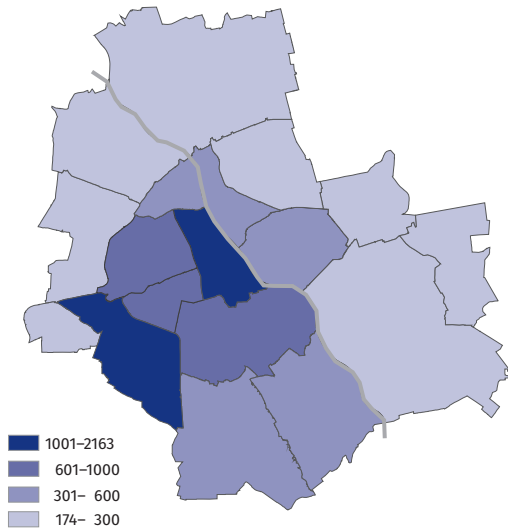
a By the seat of home university.

	2018	2019
Employed persons <sup>a</sup> total	952983	982128
of which women	504305	520768
From the total number:		
industry and construction	129285	131839
trade; repair of motor vehicles, <sup>Δ</sup> transportation and storage, accommodation and catering, <sup>Δ</sup> information and communication	306758	315803
financial and insurance activities, real estate activities	125297	124898

a As of 31 December.

### Employed persons per 1000 population in 2019

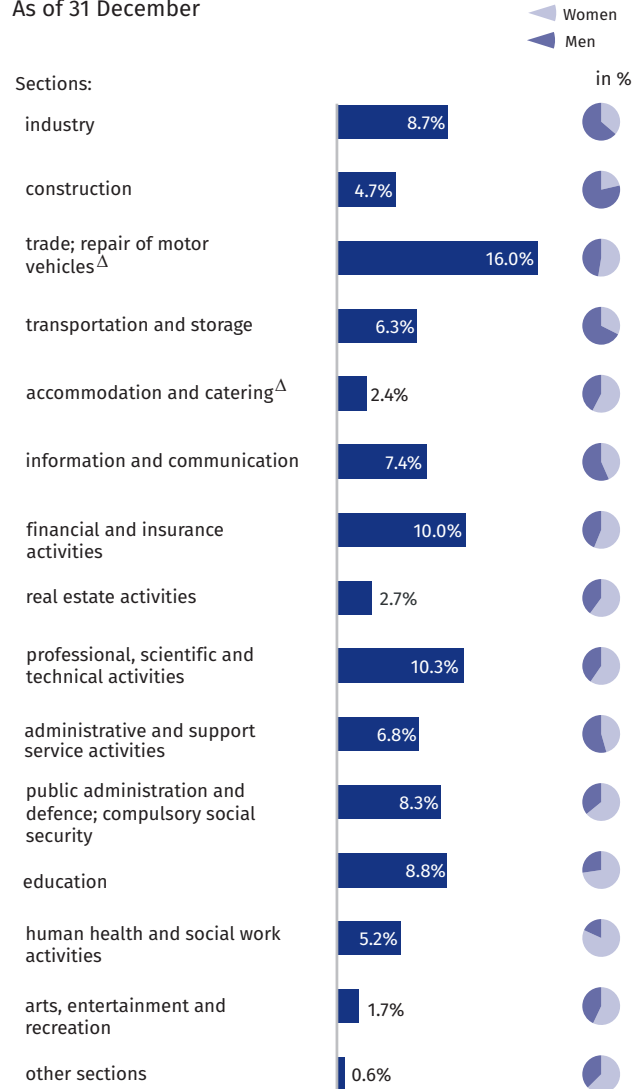
As of 31 December



Warsaw = 548

### Employed persons by section in 2019

As of 31 December



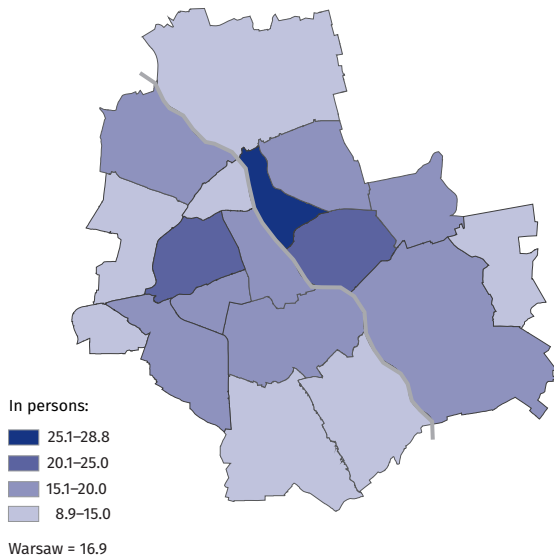
	2018	2019
Registered unemployed persons <sup>a</sup>	19382	17367
of which women	9707	8573
Newly registered unemployed persons	34592	32432
Unemployed persons removed from unemployment rolls	41266	34447
of which due to taking up work	19777	16771
Registered unemployment rate <sup>a</sup> in %	1.5	1.3
Unemployed persons <sup>a</sup> per 1 job offer	13	19

### Statistical unemployed resident of Warsaw<sup>a</sup> in 2019



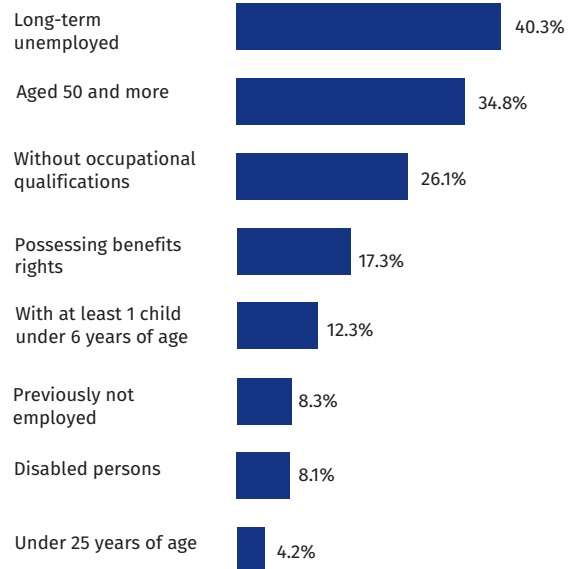
- Man
- aged 35-44
- with higher education
- unemployed for 1-3 months
- with work seniority of 1 year and less

### Registered unemployed persons<sup>a</sup> per 1000 population of working age in 2019



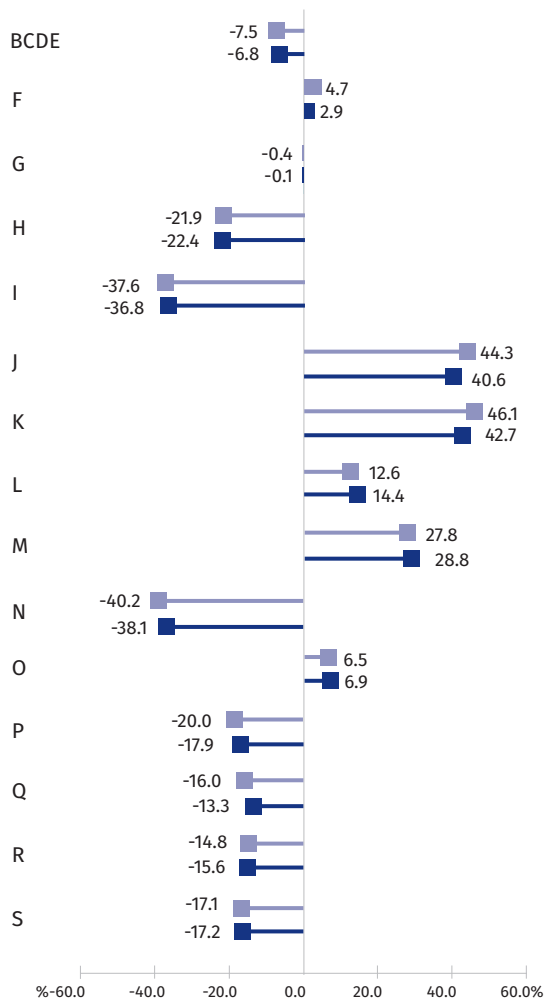
<sup>a</sup> As of 31 December.

### Share of selected categories of unemployed<sup>a</sup> in 2019



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

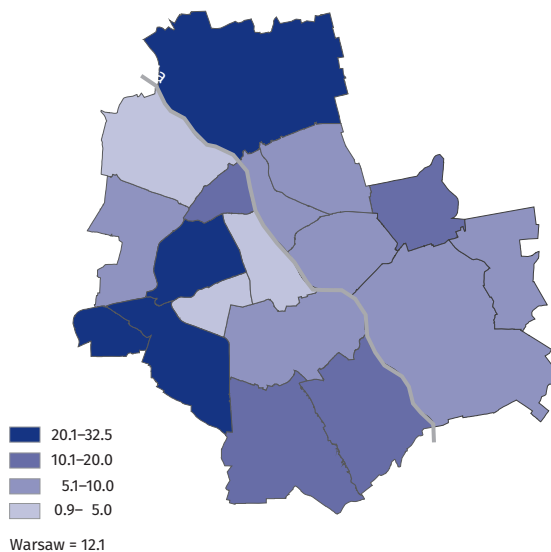
	2018	2019
Total	6,432.78	6,802.60
Industry (BCDE)	5,948.83	6,340.05
Construction (F)	6,737.57	7,000.24
Trade; repair of motor vehicles <sup>Δ</sup> (G)	6,406.44	6,792.77
Transportation and storage (H)	5,025.38	5,280.68
Accommodation and catering <sup>Δ</sup> (I)	4,011.11	4,297.94
Information and communication (J)	9,280.02	9,563.86
Financial and insurance activities (K)	9,396.10	9,710.26
Real estate activities (L)	7,245.93	7,785.04
Professional, scientific and technical activities (M)	8,223.02	8,759.80
Administrative and support service activities (N)	3,848.30	4,210.98
Public administration and defence; compulsory social security (O)	6,853.18	7,271.21
Education (P)	5,147.75	5,587.85
Human health and social work activities (Q)	5,402.03	5,894.92
Arts, entertainment and recreation (R)	5,480.01	5,738.57
Other service activities (S)	5,333.78	5,629.18

**Deviations of average monthly gross wages and salaries<sup>a</sup> from the average wages and salaries in Warsaw capital city**


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

	2018	2019
Dwelling stocks (as of 31 December)		
dwelling in thousands	975.7	997.1
useful floor area of dwellings in thousand m <sup>2</sup>	57,531.7	58,790.2
average:		
number of rooms in a dwelling	3.15	3.14
useful floor area in m <sup>2</sup> :		
per 1 dwelling	59.0	59.0
per capita	32.4	32.8
Dwellings completed		
per 1000 population	13.2	12.1
per 1000 contracted marriages	2557	2347
useful floor area of dwellings in thousand m <sup>2</sup>	1398.1	1289.5
average useful floor area of 1 dwelling in m <sup>2</sup>	59.7	59.7

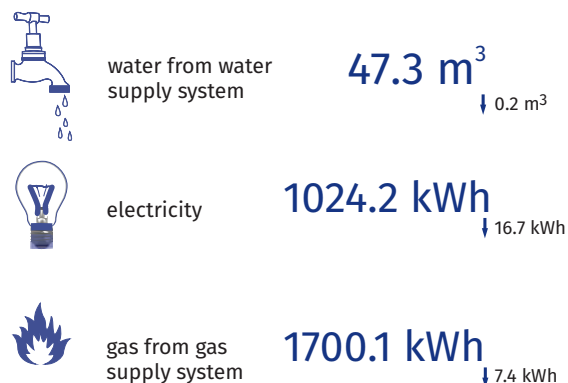
Dwellings completed per 1000 population in 2019



Average duration of construction of new residential buildings completed in 2019

Construction:	months
private	42.7
cooperative	32.7
municipal	25.0
for sale or rent	23.3

Consumption per capita in households in 2019



↑↓ increase/decrease compared to the previous year



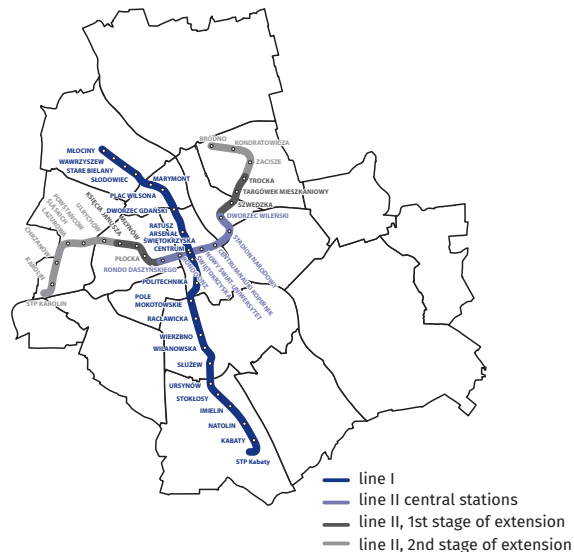
## TRANSPORT

	2018	2019
Public roads <sup>a</sup> per 100 km <sup>2</sup> in km:		
hard surface district roads	111.1	111.1
hard surface communal roads	281.0	286.5
Passenger cars <sup>ab</sup> per 1000 population	739	765
Road vehicles and tractors registered <sup>b</sup> for the first time	163875	167309
Transport of passengers by public transport during the year in millions:		
trams	286.5	296.5
buses	608.1	598.9
urban rapid rail	18.9	22.0
metro	234.6	241.8
„Park&Ride” (P+R) carparks <sup>a</sup>	16	16
„Bike and Ride” parking areas <sup>c</sup>	10853	13000
Public Bike System		
bicycle rentals during the year in thousands	5934	5984
Road traffic accidents	1102	892
per 10 thousand registered road vehicles and tractors <sup>a</sup>	7.0	5.4
casualties	1296	1055

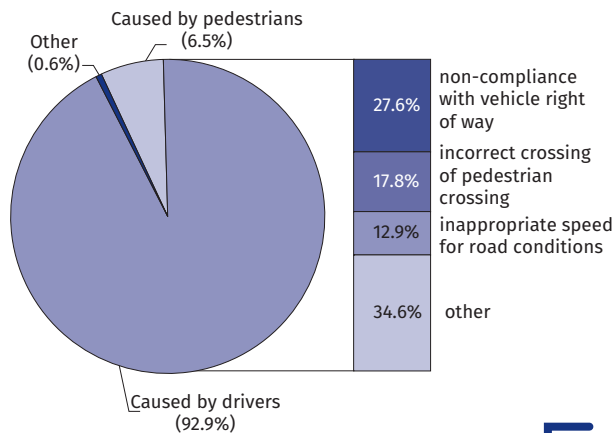
a As of 31 December. b Including road vehicle having temporary permission issued at the end of a given year. c Number of bicycle stands, in 2019 estimate data.

**3.4%** of road accidents were caused by drunk drivers

## Scheme of metro lines in Warsaw capital city



## Main causes of road traffic accidents in 2019



	2018	2019
Beds in general hospitals <sup>ab</sup>	12350	11970
per 10 thousand population	69	67
In-patients <sup>c</sup> per 1000 population in general hospitals	350.4	340.6
Out-patient consultations per capita	12.8	13.2
doctors	11.1	11.4
stomatological	1.7	1.7
Population per 1 generally available pharmacy <sup>a</sup>	2804	2907
Blood donors per 10 thousand population	245	245

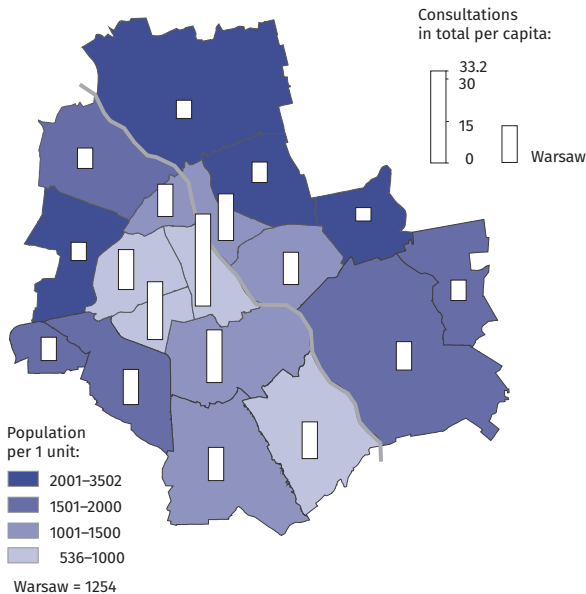
a As of 31 December. b Including beds and incubators for newborns on neonatology wards. c Excluding inter-ward patient transfer.

### First aid and emergency medical services in 2019

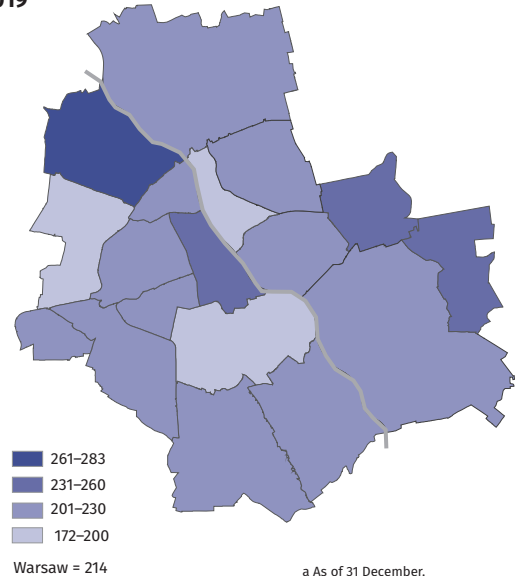
Emergency rescue teams <sup>a</sup>	52 <sup>b</sup>
Hospital emergency wards <sup>a</sup>	12
Persons who received health care benefits in the place of occurrence	153.9 thousand
Persons who received health care benefits in admission rooms or hospital emergency wards on an out-patient basis	374.8 thousand

a As of 31 December. b Including medical air rescue team.

### Out-patient health care in 2019



### Children in nurseries<sup>a</sup> and children's clubs up to the age of 3 per 1000 children at the same age in 2019



	2018	2019
Foster families <sup>a</sup>	1221	1157
Children <sup>ab</sup> in foster families	1498	1440
of which under 18 years of age	1120	1075
Foster homes <sup>a</sup>	12	12
Children <sup>ab</sup> in foster homes	69	73

a As of 31 December. b Aged under 25.

## Supporting the family in 2019



101979

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



131158  
292124

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



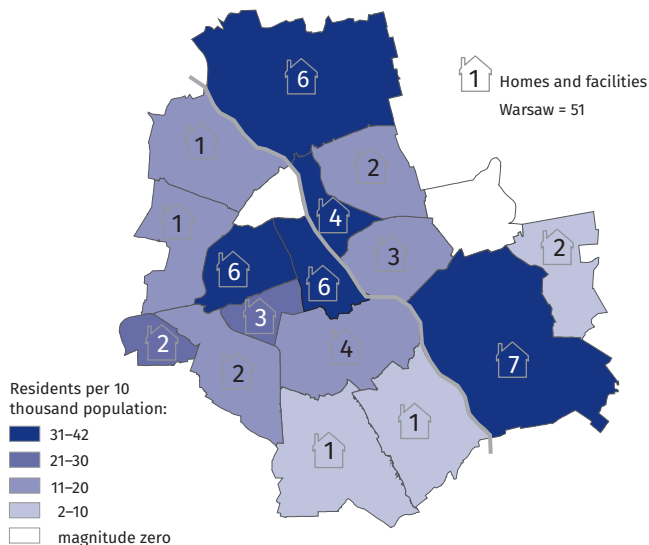
25579

Number of families with the Large Family Card

a As part of the „Family 500+“ programme. b Data refer to the period between 1 January to 30 June. From 1 July, no data is collected on the number of families receiving child-raising benefits. c Data refer to the period: in the numerator - from 1 January to 30 June, in the denominator from 1 July to 31 December.

## Stationary social welfare in 2019

As of 31 December



Warsaw = 19

## Recipients of social welfare benefits<sup>a</sup> in 2019



31124

↓ 0.8%

total

of which:



15851

↓ 6.4%

appropriated benefit



7103

↑ 3.0%

attendance services



3505

↓ 7.7%

temporary benefit



9171

↓ 7.5%

meal



7083

↓ 5.7%

permanent benefit



437

↑ 5.8%

burial

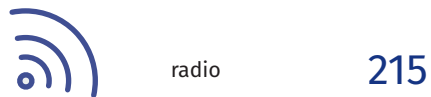
↑↓ increase/decrease compared to the previous year

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

	2018	2019
Public libraries <sup>a</sup> (with branches)	204	205
Collection <sup>a</sup> per 1000 population in vol.	3749	3733
Loans per 1 borrower in volumes	13.9	14.2
Theatres and music institutions <sup>ab</sup>	40	37
of which with their own artistic ensemble	29	29
Audience:		
per 1 performance	279	288
per 1000 population	2496	2729
Fixed cinemas <sup>a</sup>	30	30
Audience:		
per 1 performance	28	29
per 1000 population	4515	4576
Museums (with branches) <sup>a</sup>	67	69
Visitors per 1000 population	5978	6762

a As of 31 December. b By the seat.

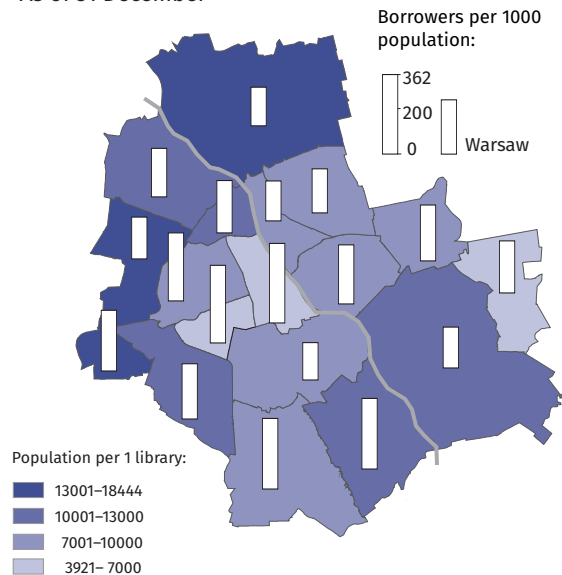
### Subscribers<sup>a</sup> per 1000 population in 2019



a As of 31 December.

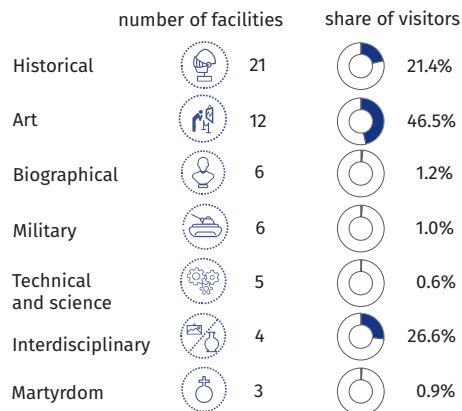
### Public libraries (with branches) in 2019

As of 31 December



Warsaw = 8735

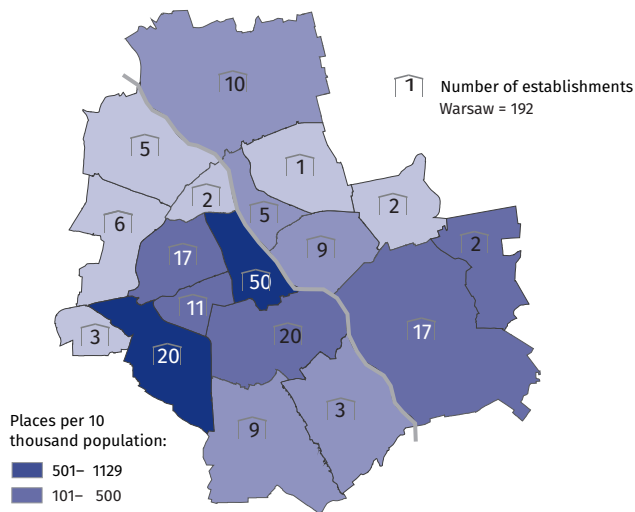
### Museums<sup>a</sup> by selected types in 2019



a As of 31 December; including branches.

	2018	2019
Tourist accommodation facilities <sup>a</sup>	186	192
of which hotels	94	98
Bed places <sup>a</sup> in thousands	33.4	34.8
Tourist accommodated in thousands	3647.7	3807.5
of which in hotels	3205.4	3345.7
Overnight stays in thousands	6383.6	6548.4
of which foreign tourists	2633.9	2583.0
Average length of stay of tourists in tourist accommodation facilities in days	1.8	1.7
of which foreign tourists	1.9	1.9

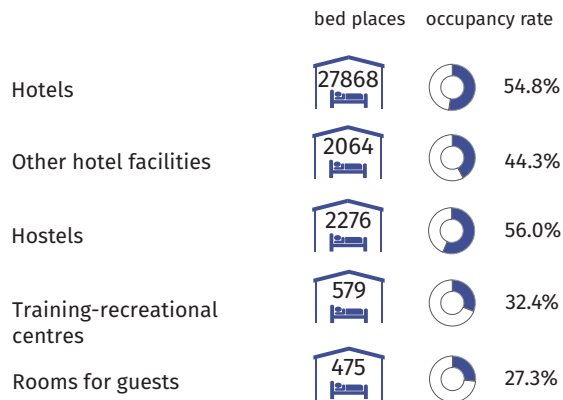
**Tourist accommodation establishments<sup>a</sup> in 2019**



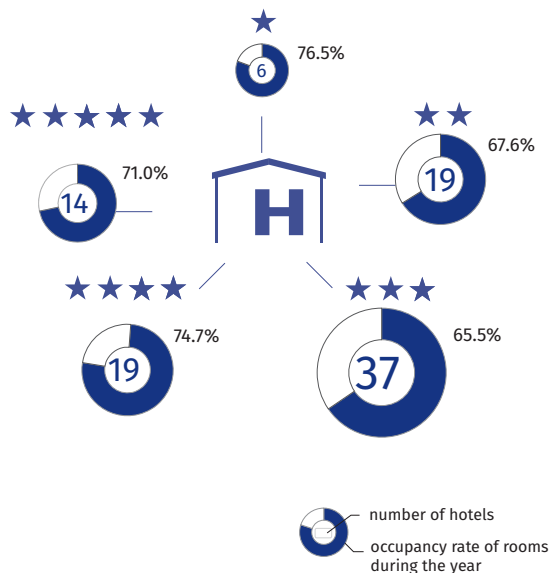
Warsaw = 195

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

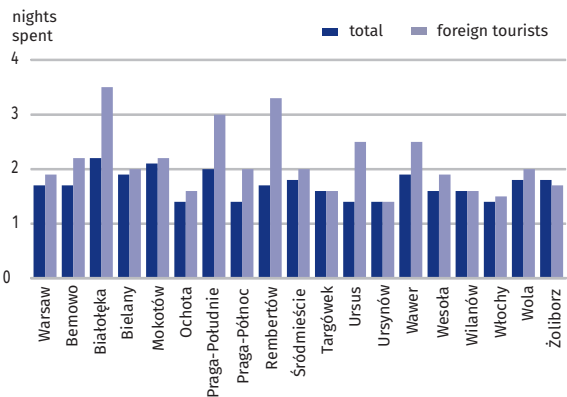
**Bed places and occupancy rate in selected accommodation facilities in 2019**



**Hotels<sup>a</sup> by category in 2019**

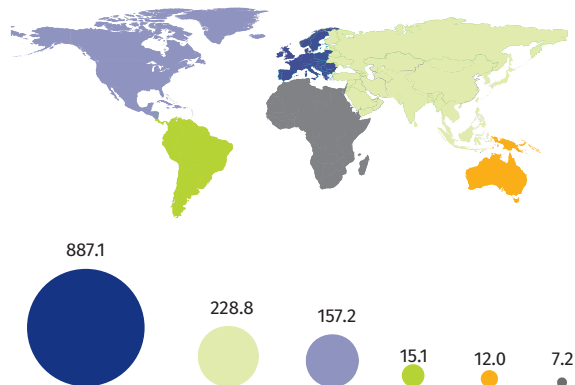


### Average length of stay of tourists in tourist accommodation establishments in 2019

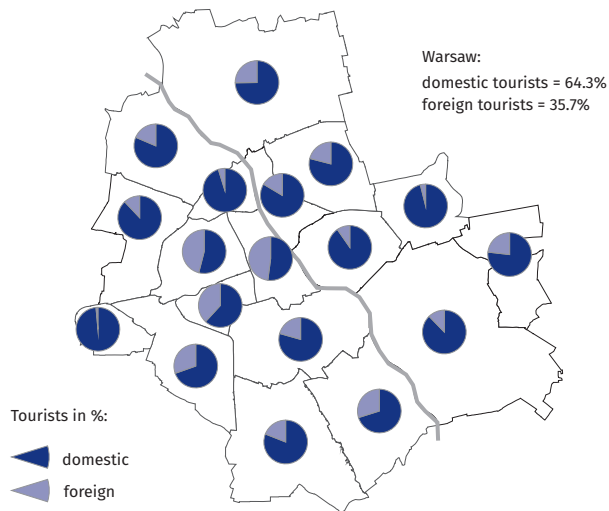


### Foreign tourists accommodated in tourist accommodation establishments in 2019

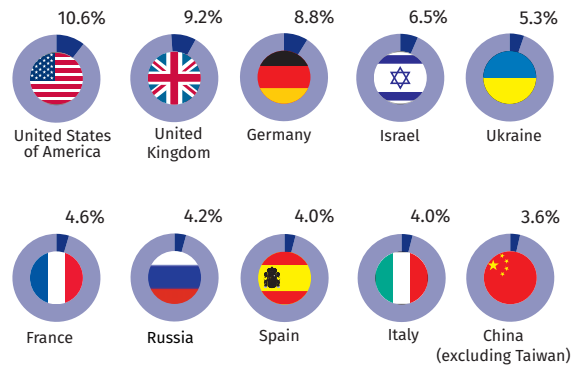
by continents in thousands



### Tourists accommodated in 2019



by selected countries in %

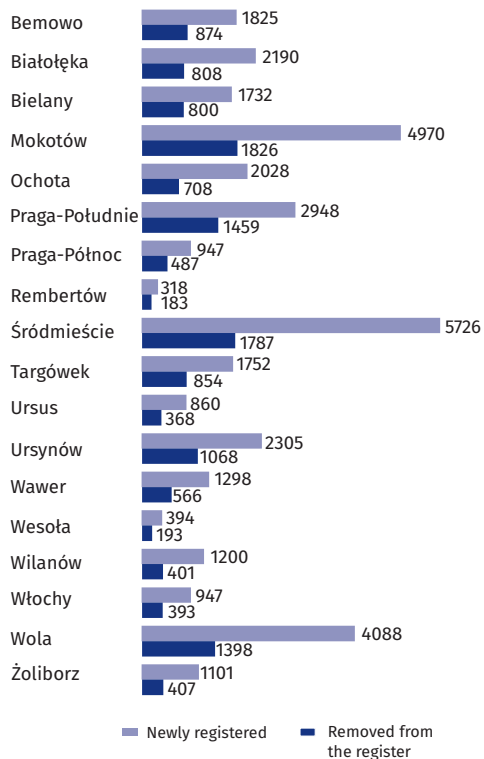


## ENTITIES OF THE NATIONAL ECONOMY

	2018	2019
Entities of the national economy <sup>a</sup>		
in thousands	433.8	456.3
of which natural persons	242.0	253.7
Newly registered entities in thousands	37.3	36.6
per 1000 population	21.0	20.5
Entities removed from the register		
in thousands	39.0	14.8
per 1000 population	22.0	8.3

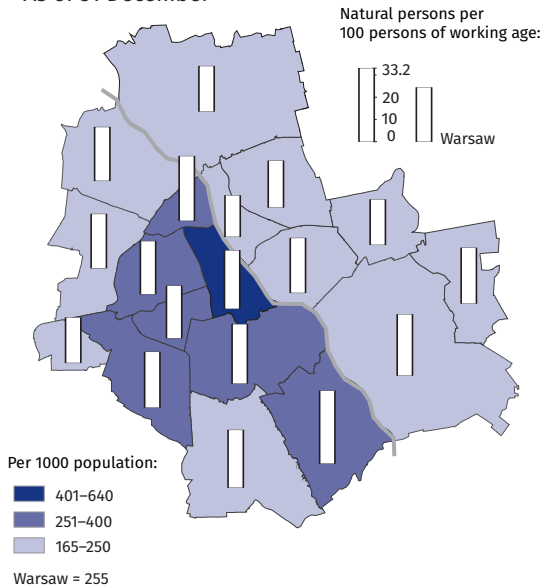
a As of 31 December.

### Entities of the national economy in 2019

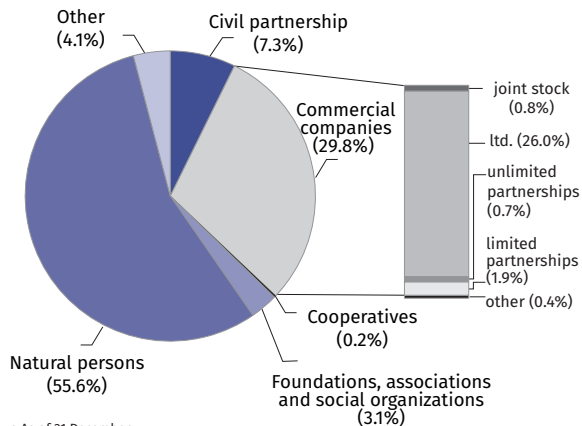


### Entities of the national economy in 2019

As of 31 December



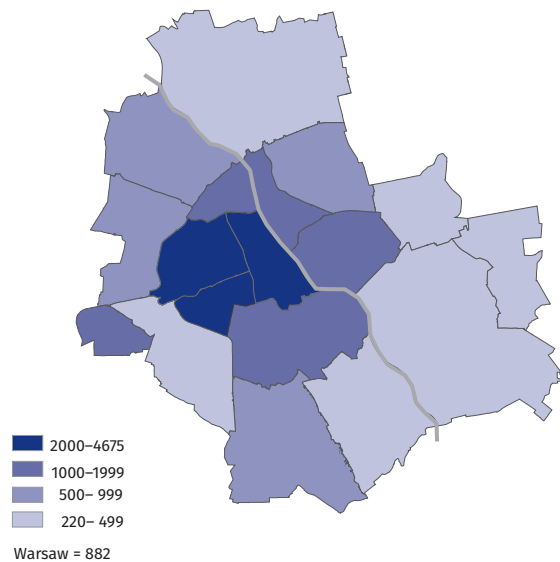
### Structure of entities of the national economy<sup>a</sup> by legal status in 2019



a As of 31 December.

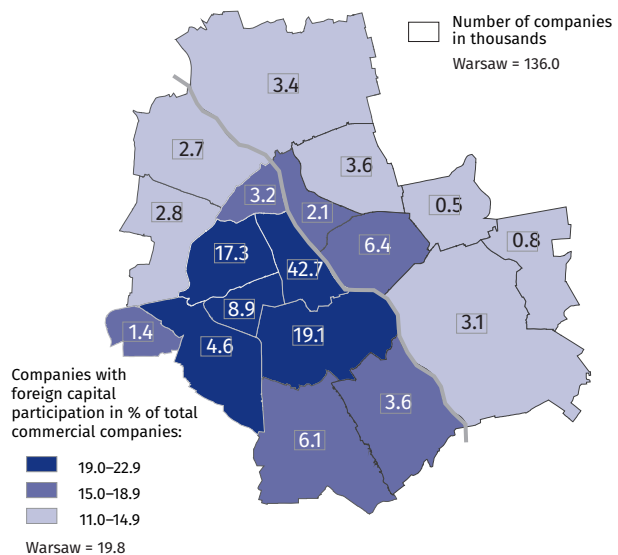
**Entities of the national economy per 1 km<sup>2</sup> in 2019**

As of 31 December



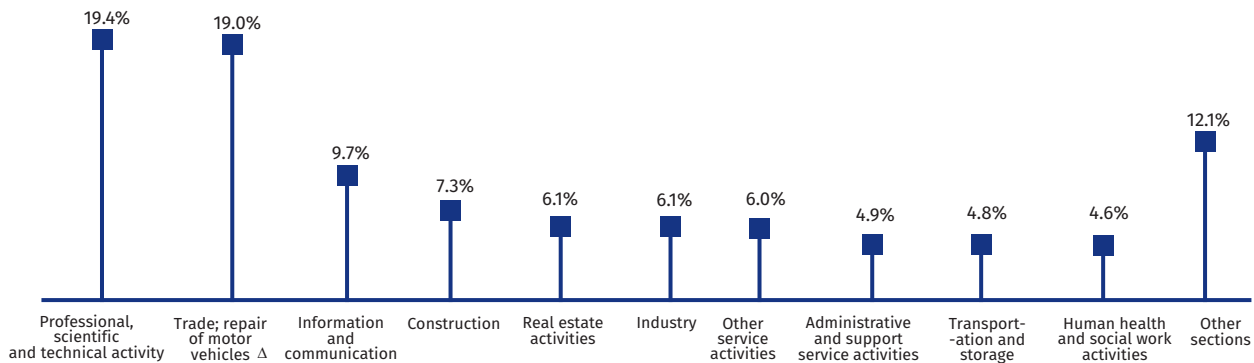
**Commercial companies in 2019**

As of 31 December



**Structure of entities of the national economy by sections in 2019**

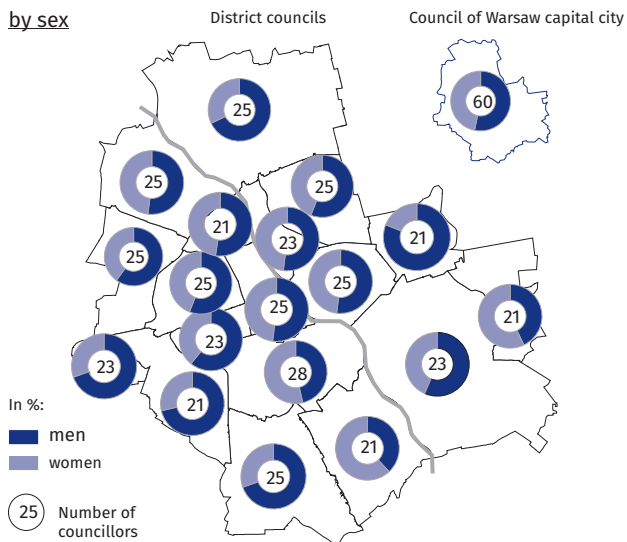
As of 31 December



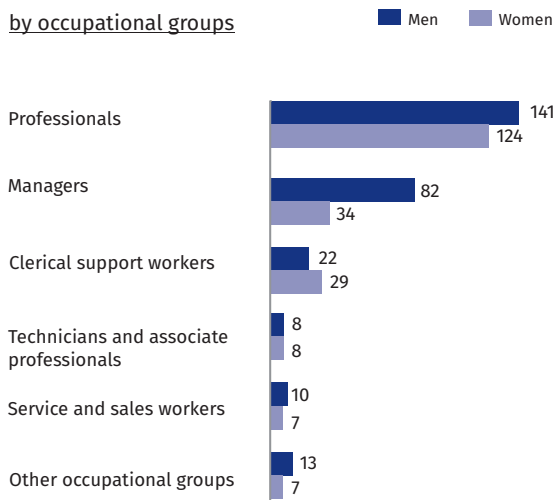


**Councillors of the council of Warsaw capital city and district councils in 2019**  
As of 31 December

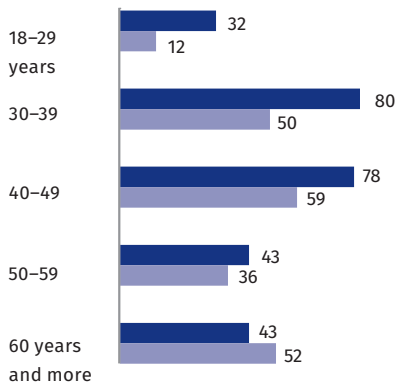
by sex



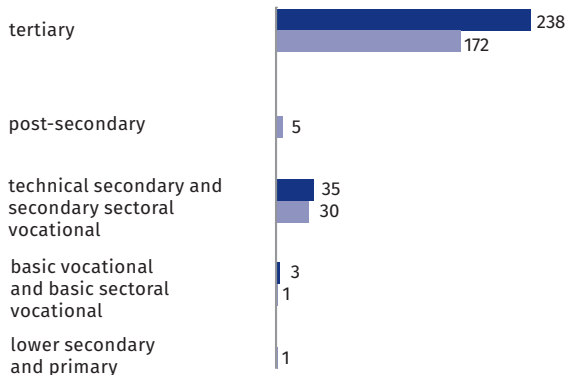
by occupational groups



by age



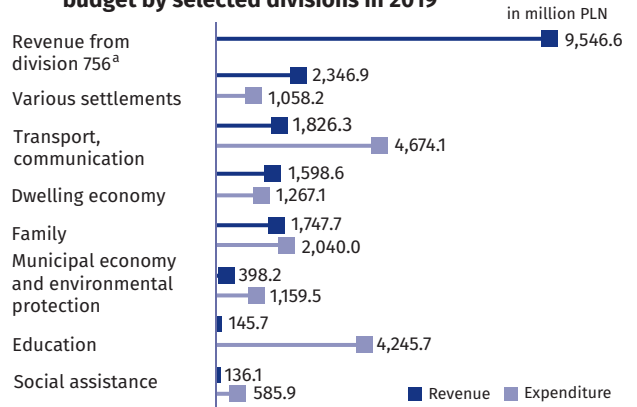
by education



**Budget of Warsaw capital city**

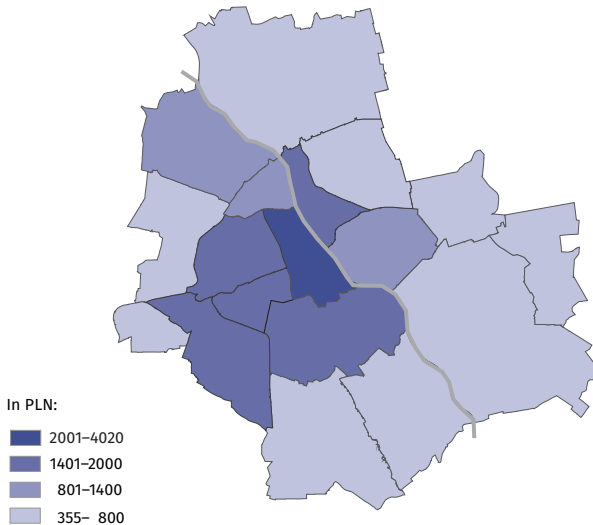
	2018		2019	
	in million PLN		in percent	
Revenue	17,004.6	18,109.4	100.0	
city part	12,109.5	13,017.5	71.9	
powiat part	2,646.3	2,925.3	16.2	
district part	2,248.7	2,166.5	12.0	
Expenditure	16,622.3	18,715.0	100.0	
city part	7,584.7	8,294.3	44.3	
powiat part	1,417.8	1,549.7	8.3	
district part	7,619.8	8,871.1	47.4	
Surplus (+)/Deficit (-)	382.3	-605.6	.	

**Revenue and expenditure of Warsaw capital city budget by selected divisions in 2019**

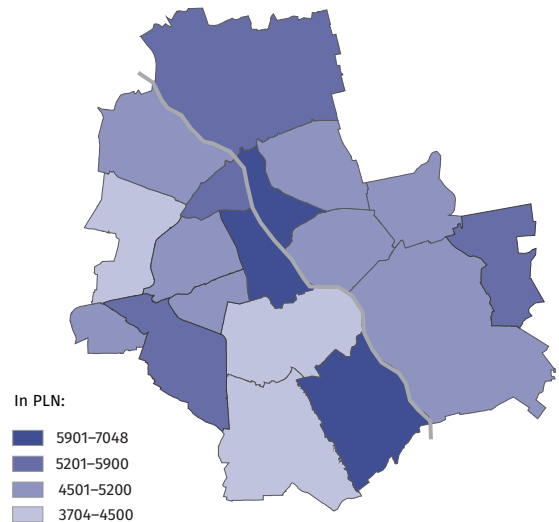


<sup>a</sup> Income taxes from legal persons, natural persons and other organizational units without legal personality and expenses associated with their intake.

**Revenue of the district part of Warsaw capital city budget per capita in 2019**

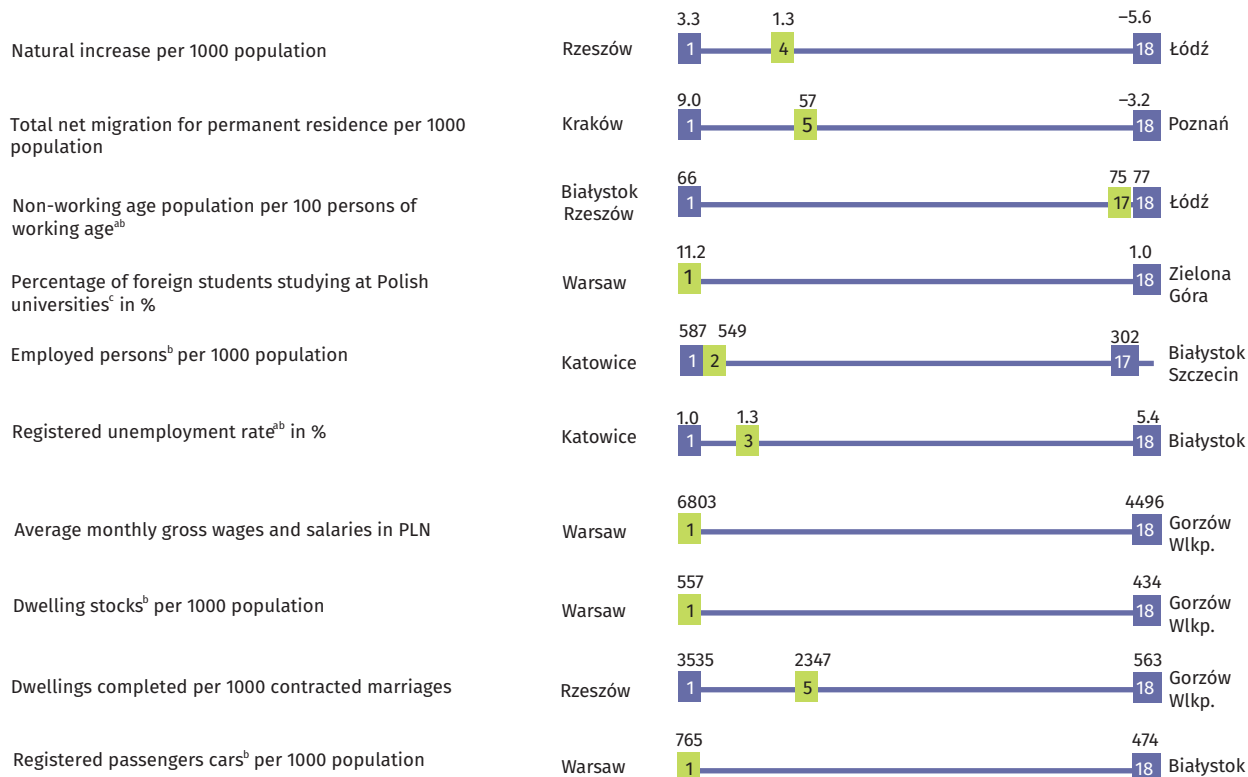


**Expenditure on the district part of Warsaw capital city budget per capita in 2019**



## WARSAW COMPARED TO VOIVODSHIP CITIES IN 2019

□ places 1–18    ■ place of Warsaw capital city



a The lowest value was marked as 1 place, while the highest – as the last place. b As of 31 December. c By actual location of higher education institution/branch.

## WARSAW COMPARED TO VOIVODSHIP CITIES IN 2019

□ places 1–18    ■ place of the Capital City of Warsaw

Children at nursery age (up to the age of 3) per 100 places in nurseries (including wards) and children's clubs



Persons who received health services in the place of occurrence by emergency rescue teams<sup>a</sup> per 1000 population



Residents of stationary social welfare facilities (including branches) per 1000 population



Borrowers in public libraries per 1000 population



Audience in cinemas per 1000 population



Share of foreign tourists accommodated in tourist accommodation establishments



Entities of the national economy registered in the REGON register per 1000 population<sup>b</sup>



Share on expenditure on public roads in total expenditure in %



EU funds of cities with powiat status for financing programmes and projects per capita in PLN



Gas pollutants (excluding CO<sub>2</sub>) retained or neutralized in pollutant reduction systems in % of pollutants produced

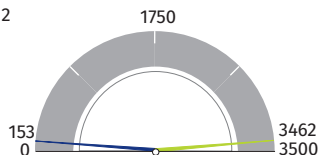


a The lowest value was marked as 1 place, while the highest – as the last place. b As of 31 December.

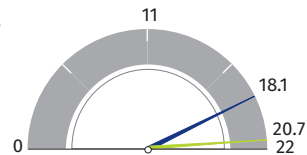
## WARSAW COMPARED TO MAZOWIECKIE VOIVODSHIP IN 2019

— Mazowieckie  
— Warsaw capital city

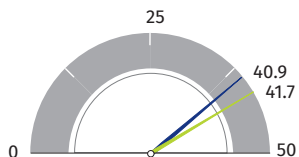
Population per 1 km<sup>2</sup>



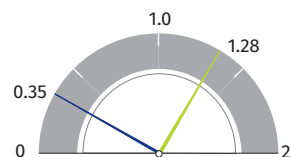
Percentage of persons aged 65 and more (in %)



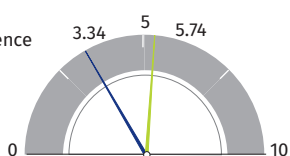
Median age



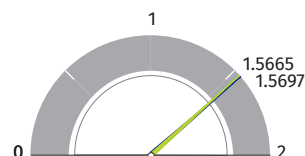
Natural increase per 1000 population



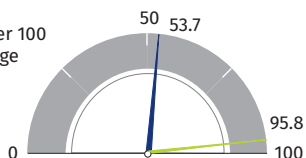
Total net migration for permanent residence per 1000 population



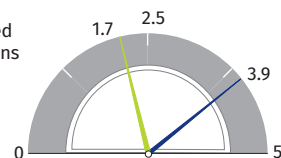
Total fertility rate



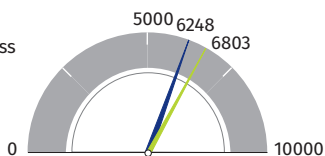
Employed persons per 100 persons of working age



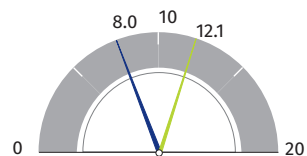
Registered unemployed persons per 100 persons of working age



Average monthly gross wages and salaries in PLN



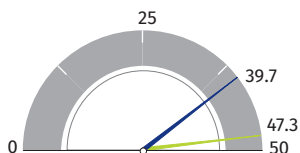
Dwellings completed per 1000 population



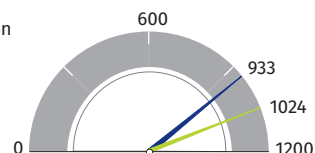
## WARSAW COMPARED TO MAZOWIECKIE VOIVODSHIP IN 2019

— Mazowieckie  
— Warsaw capital city

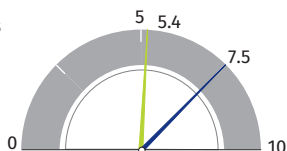
Consumption of water from water supply system in households per capita in m<sup>3</sup>



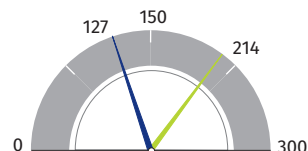
Electricity consumption in households in urban areas per capita in kWh



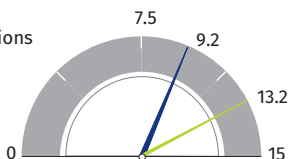
Road traffic accidents per 10 thousand road vehicles and tractors registered



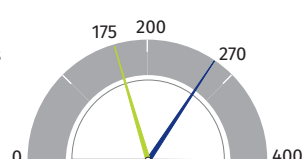
Children up to the age of 3 in nurseries (including wards) and children's clubs per 1000 children at this age group



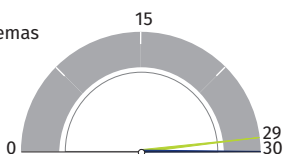
Out-patient consultations per capita



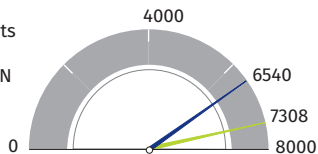
Persons granted social welfare benefits per 10 thousand population



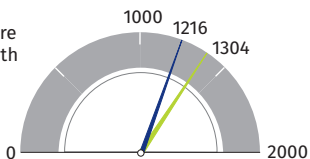
Audience in fixed cinemas per 1 screening



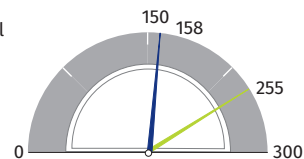
Own revenue of budgets of cities with powiat status per capita in PLN



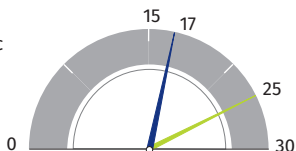
Investment expenditure of budgets of cities with powiat status per capita in PLN



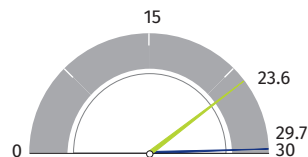
Entities of the national economy per 1000 population



Natural persons conducting economic activity per 100 persons of working age



Share of area under legal protection in % of total area



## Data sources

Head Office of Geodesy and Cartography – geographical location and geodesic area  
Institute of Meteorology and Water Management – meteorological data  
Ministry of Science and Higher Education – data on higher education  
Ministry of Family, Labour and Social Policy – data on unemployment and supporting the 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  
Office of Mazowieckie Voivodship – data on persons receiving social assistance benefits  
[www.bip.warszawa.pl](http://www.bip.warszawa.pl) – data on the Capital City of Warsaw budget

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







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