

STATISTICAL YEARBOOK

of the City of Zagreb
2020



CITY OF ZAGREB
CITY OFFICE FOR
THE STRATEGIC
PLANNING
AND DEVELOPMENT
OF THE CITY

Publisher

CITY OF ZAGREB

City Office for the Strategic Planning and
Development of the City
Office for Strategic Information and Research
Department for Statistical and Analytical Affairs

Printed by:

Tiskara Zelina d.d.

ISSN 1330 – 3678

When using and publishing data please cite the
source: Statistical Yearbook of the City of Zagreb
for 2020 (SYCZ 2020)

Zagreb, December 2020

For the publisher

Sanja Jerković, Head of Office

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Translation

SIGNUM: jezici d. o. o., Global Link d. o. o.,

Integra d. o. o., Zagreb

Proofreading

Integra d. o. o., Zagreb

Printing

600 copies (Croatian language edition)

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**STATISTICAL YEARBOOK
OF THE CITY OF ZAGREB
2020**

INTRODUCTION

Dear users,

The Statistical Yearbook of the City of Zagreb for 2020 is the 69th edition of an annual publication which provides the users with information regarding the social and economic development of the City of Zagreb. Thanks to the comprehensive statistical data, the yearbook is more than just a collection of printed tables and spreadsheets: it provides a valuable representation of living conditions, social structure and economic opportunities in Zagreb - in the present day and in the past. While at the same time statistical data, ranging from data on population, education, health, construction to tourism, transportation and environmental protection, presents a basis for strategic planning for regional and urban development.

2020 was one of the most difficult and challenging years. The world will remember it as the year of the COVID-19 pandemic, which significantly changed the way we live and work. The citizens of Zagreb will also remember 2020 as the year when a powerful earthquake of 5.5 on the Richter scale struck Zagreb and the surrounding area on 22 March 2020.

Both events have had a significant impact on social and economic indicators in the City of Zagreb and this edition of the yearbook was supplemented with a chapter showing the current statistical data regarding the COVID-19 pandemic and the earthquake.

Statistical data and information regarding the City of Zagreb can be found all around us and considering the statistical data for the reference year 2019 we discovered more positive trends in the City of Zagreb. A trend of two-digit annual increase in the number of tourist arrivals continued (+31% compared to 2016), which indicates an increase in the number of passengers transported in the Franjo Tuđman International Airport of 24% compared to 2016. The area of transport has recorded positive changes regarding the development of bicycle infrastructure (longer traffic networks by 2%, 33% more parking spots). A good indicator of the recovery of the city economy is the gross domestic product in the City of Zagreb, which amounted to 125 billion kuna in 2017, which marked an increase of 5% compared to 2016, and the increase in the number of employees of 9% in 2019 compared to 2016. Also significant for our citizens is the increase in the average net salary in 2019 compared to 2018 by 4%, which amounts to an average of over 7.5 thousand kuna.

Compared to the previous editions, the yearbook contains additional chapters, entitled Gross Domestic Product and COVID-19 and earthquake, as well as new tables and graphic representations in chapters Utility services, Education and Culture and art. The yearbook is available in printed edition and on web pages of the City of Zagreb (<https://zagreb.hr/statisticki-ljetopis-grada-zagreba/1044>). If you want to find out more about the citizens and life in Zagreb this yearbook is for you.

Although technological advancement made things easier, only the dedication of many participants, especially in this extraordinary situation caused by the COVID-19 pandemic, made possible the publishing of this yearbook of highest quality with current data. Therefore, I would like to thank everyone who participated in creating the Yearbook with a special thanks to you, our users, and I hope that you will find this publication interesting and useful in your work and everyday life.

Head of the City Office for the Strategic Planning
and Development of the City

Sanja Jerković, M. Arch

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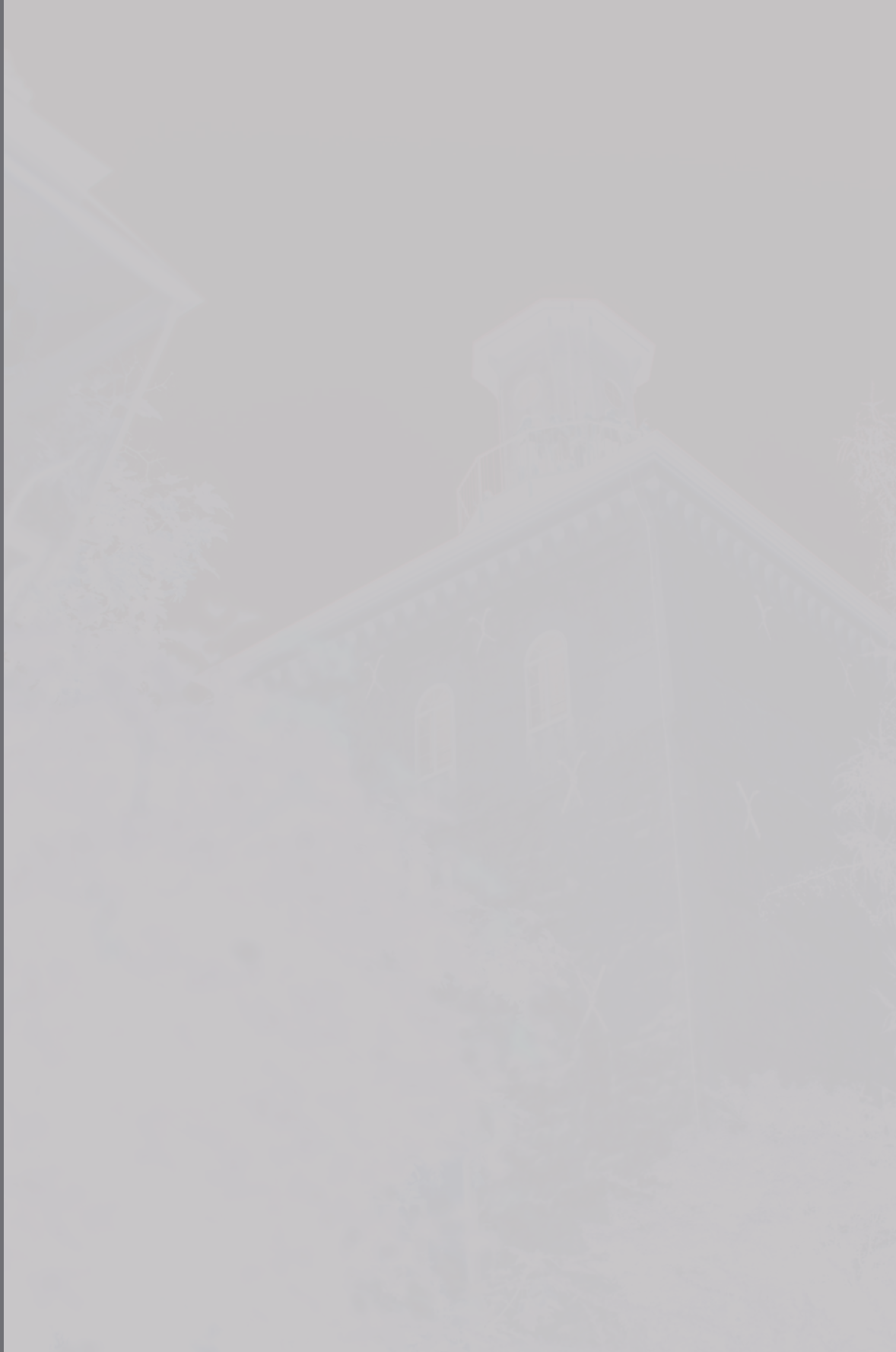
ABBREVIATIONS

ARKOD	Land Parcel Identification System (LPIS)	hPa	hectopascal
art.	article	HRK	Croatian kuna
°C	degree Celsius	i.e.	that is
CBS	Croatian Bureau of Statistics	JOPPD.....	Report on income, income tax and surtax, and contributions for mandatory insurance
CEFTA	Central European Free Trade Agreement	km.....	kilometre
cm.....	centimeter	km ²	square kilometre
CO.....	City Office	kWh	kilowatt hour
COSPDG	City Office for the Strategic Planning and Development of the City	L/m ²	litres per square metre
d. o. o.	limited liability company (Ltd.)	l/s.....	liter per second
d.d.....	public limited company	°MCS	Mercalli-Cancani-Sieberg scale
dB.....	Decibel	m.....	metre
DHMZ.....	Croatian Meteorological and Hydrological Service	m ²	square metre
Dr.....	doctor	m ³	cubic metre
DSL.....	Digital Subscriber Line	m ³ /s.....	cubic metres per second
e.g.	for example	mg/m ³	miligram per cubic meter
e.t.c.....	and so on (from Latin: et cetera)	mil.	million
EC	European Community	mm.....	millimetre
EFTA.....	European Free Trade Association	MUP.....	Ministry of the Interior
EMS.....	European Macroseismic Scale	MWh.....	megawatt-hour
ESA.....	European System of National Accounts	MZLZ.....	Zagreb International Airport
EU	European Union	n.d.	below the detection limit
Eurostat	Statistical Office of the European Communities	n.e.s.....	not elsewhere specified
Fina.....	Financial Agency	n/m.....	height above sea level
GDP	gross domestic product	NCA	National classification of Activities
GK.....	Railway Station	NP	nature park
GUF.....	City Office for Financing	ng/m ³	nanogram per cubic metre
GUMS	City Office for the Local Self-Administration	NKPJS	National Statistics Area Classification
GVA.....	Gross value added	NN.....	Official Gazette
GWh.....	gigawatt	No.	number
GZ.....	City of Zagreb	NSK	National and University Library
h	hour	OPEC	Organization of the Petroleum Exporting Countries
ha.....	hectare	pH	a measure of the acidity or alkalinity of a solution
HAKOM.....	Croatian Regulatory Authority for Network Industries	RRIF.....	Accounting, revision and finances
HCPI	Croatian Centre for Earthquake Engineering	Sl. gl. GZ	Official Gazette of the City of Zagreb
HEP.....	Croatian National Energy Company	SNA	System of National Accounts
HNB.....	Croatian National Bank	SPR.....	Statistical business register
HP.....	Croatian Post	SSG.....	Profesional service of the Mayor

t.....	ton
TT.....	telegraph and telephone
TV	television
UN.....	United nations
ZET	Zagreb Electric Tram
ZH	Zagreb Holding
$\mu\text{g}/\text{m}^3$	microgram per cubic meter
$\mu\text{g}/\text{m}^2\text{d}$	microgram per square meter and day

Symbols

-	no occurrence
... ..	data not available
*.....	corrected data
¹⁾	footnotes
<	less than
>	more than
\geq	more than or equal to
\leq	less than or equal to
%	percentage
0	value not zero but less than 0.5 of the unit of measure used
0.0	value not zero but less than 0.05 of the unit of measure used
0.00	value not zero but less than 0.005 of the unit of measure used
0.000	value not zero but less than 0.0005 of the unit of measure used



00

Zagreb identities



Photo: M. Mihaljević, ZTB



*Our Lady of the Stone Gate
Patron saint of the City of Zagreb*

31 May - DAY OF THE CITY OF ZAGREB

ARCHBISHOPS OF ZAGREB

The first written record of Zagreb, concerning the establishment of the diocese (in 1094), marked the history of Zagreb for nine centuries.

A. Benigar, one of the writers of Zagreb's history described Zagreb as "... a city on a hill, a lighthouse from which unquenchable and safe light beams to all people".

It is a city of strong spiritual values and identity. The threads that hold together the tapestry of Zagreb's values are, above all, the names of its archbishops:

- | | |
|---|----------------------------|
| 1. Juraj HAULIK de Varallya, cardinal
bishop
archbishop | 1837 – 1853
1853 – 1869 |
| 2. Josip MIHALOVIĆ, cardinal | 1870 – 1891 |
| 3. Juraj POSILOVIĆ | 1894 – 1914 |
| 4. Antun BAUER | 1914 – 1937 |
| 5. Alojzije STEPINAC, cardinal | 1937 – 1960 |
| 6. Franjo ŠEPER, cardinal | 1960 – 1969 |
| 7. Franjo KUHARIĆ, cardinal | 1970 – 1997 |
| 8. Josip BOZANIĆ, cardinal | 1997 – |



MAYORS OF ZAGREB

1. Janko KAMAUF	1851 – 1857
2. Josip F. HAERDTL ¹⁾	1857
3. Svetozar KUŠEVIĆ ¹⁾	1858
4. Johan LICHTENEGGER ¹⁾	1858 – 1861
5. Vjekoslav FRIGAN	1861 – 1868
6. Makso MIHALIĆ	1868 – 1869
7. Dragutin pl. CZEKUS ²⁾	1869 – 1872
8. Pavao HATZ	1872 – 1873
9. Stjepan VRABČEVIĆ	1873
10. Ivan VONČINA	1873 – 1876
11. Stanko ANDRIJEVIĆ	1876 – 1879
12. Matija MRAZOVIĆ	1879 – 1881
13. Josip HOFFMANN	1881 – 1885
14. Nikola BADOVINAC	1885 – 1887
15. Ignjat SIEBER	1887 – 1890
16. Milan AMRUŠ	1890 – 1892
17. Adolf MOŠINSKY	1892 – 1904
18. Milan AMRUŠ	1904 – 1910
19. Janko HOLJAC	1910 – 1917
20. Stjepan SRKULJ	1917 – 1919
21. Svetozar DELIĆ	1920
22. Vjekoslav HEINZEL	1920 – 1928
23. Stjepan SRKULJ	1928 – 1932
24. Ivo KRBEK	1932 – 1934
25. Rudolf ERBER	1934 – 1936
26. Teodor PEIČIĆ	1937 – 1939
27. Mate STARČEVIĆ	1939 – 1941
28. Jozo DUMANDŽIĆ	1941 – 1942
29. Ivan WERNER	1942 – 1944
30. Eugen STAREŠINIĆ	1944 – 1945
31. Dragutin SAILI	1945 – 1949
32. Mika ŠPILJAK	1949 – 1950
33. Milivoj RUKAVINA	1950 – 1951
34. Mirko PAVLEKOVIĆ	1951 – 1952
35. Većeslav HOLJEVAC	1952 – 1963
36. Pero PIRKER	1963 – 1967
37. Ratko KARLOVIĆ ¹⁾	1967
38. Josip KOLAR MATEK	1967 – 1972
39. Ivo VRHOVEC	1972 – 1978
40. Ivo LATIN	1978 – 1982
41. Mato MIKIĆ	1982 – 1983
42. Aleksandar VARGA	1983 – 1984
43. Zorislav ŠONJE	1984 – 1985
44. Tito KOSTY	1985 – 1986
45. Mato MIKIĆ	1986 – 1990
46. Boris BUZANČIĆ	1990 – 1993
47. Branko Mikša	1993 – 1995
48. Marina MATULOVIĆ-DROPULIĆ	1996 – 2000
49. Milan BANDIĆ	2000 – 2002
50. Vlasta PAVIĆ	2002 – 2005
51. Milan BANDIĆ	2005-

¹⁾ Acting mayor²⁾ Judicial council member who acted as mayor per order of ban (vicero) Rauch

MAYOR OF THE CITY OF ZAGREB

Mayor
Milan Bandić, MA (Political Science)

Deputy Mayors
Jelena Pavičić Vukičević, PhD
Olivera Majić, Assist. Prof.

CITY ASSEMBLY OF THE CITY OF ZAGREB

(convened on 10 July 2017)¹⁾

Mislav Herman, MD - President²⁾

Prof. Ana STAVLJENIĆ-RUKAVINA, PhD – Vice-president

Matej MIŠIĆ, mag. iur. - Vice-president

Jozo MILIČEVIĆ, M. Sc. – Vice-president

Krešimir KARTELO – Vice-president

1. Vladimir ANDRIĆ, M. Eng.
2. David BILIĆ, univ. bacc. psych.
3. Rada BORIĆ, M. Sc.
4. Mira BOŽIĆ
5. Dubravka BREZAK STAMAĆ, PhD
6. Zvane BRUMNIĆ, M. Eng.
7. Prof. Irena CAJNER MRAOVIĆ, PhD
8. Tamara ČUBRETOVIĆ, M. Eng. in Graphic Technology
9. Ilija ČORIĆ, M. Eng. Graphic Technology
10. Miodrag DEMO
11. Prof. Bruna ESIH
12. Vladimir FERDELJI, M. Sc. Mech. Eng.
13. Davor FILIPOVIĆ, Assist. Prof.
14. Zlatko HASANBEGOVIĆ, PhD
15. Mislav HERMAN, MD
16. Kazimir ILIJAŠ, LLM
17. Svibor JANČIĆ, M. Pol.
18. Tomislav JONJIĆ, PhD
19. Krešimir KARTELO
20. Darko KATUŠA
21. Darko KLASIĆ, M. Eng. Radiology
22. Slavko KOJIĆ, M. Econ.
23. Stanko KORDIĆ, M. Pol.
24. Sonja KÖNIG, M. Pol.
25. Ana LEDERER, PhD
26. Ivana MAMIĆ, Master's Degree in German Language and Literature and Linguistics
27. Jozo MILIČEVIĆ, M. Sc.
28. Prof. Tihomir MILOVAC
29. Matej MIŠIĆ, LLM
30. Saša MOLAN, M. Econ.
31. Anka MRAK-TARITAŠ, M. Eng. Arch.
32. Vesna NAĐ, LL. B.
33. Dragica NIKOLIĆ, LLB
34. Ševko OMERBAŠIĆ
35. Prof. Rajko OSTOJIĆ, PhD
36. Vojin PERIĆ
37. Renato PETEK
38. Miroslav POLOVANEC
39. Nenad PREDOVAN
40. Prof. Drago PRGOMET, PhD
41. Natalija PRICA OREŠKI, DMD
42. Gzim REDŽEPI, PhD
43. Prof. Gordana RUSAK, PhD
44. Bogdanka SRDIĆ-VULPE
45. Prof. Ana STAVLJENIĆ-RUKAVINA, PhD
46. Tomislav STOJAK, M. Pol.
47. Marijana SUMPOR, PhD

48. Tomislav TOMAŠEVIĆ, M. Pol.

49. Radenko TOMIĆ, M. Eng.

50. Marko TORJANAC, MA

51. Mario ŽUPAN, M. Econ.

¹⁾ Data as of 14 September 2020

Inactive City Assembly members and their deputies¹⁾

1. Milan Bandić, Stranka rada i solidarnosti (Labour and Solidarity Party) – substituted by Gordana Rusak, non-partisan (as of 10 July 2017)
2. Jelena Pavičić Vukičević, Stranka rada i solidarnosti (Labour and Solidarity Party) – substituted by Irena Cajner Mraović, non-partisan (as of 10 July 2017)
3. Olivera Majić, Assist. Prof., Stranka rada i solidarnosti (Labour and Solidarity Party) – substituted by Vojin Perić, non-partisan (as of 10 July 2017)
4. Višnja Fortuna, SMSH (Party of Croatian Intergenerational Solidarity) – substituted by Grgo Jelinić, SMSH (Party of Croatian Intergenerational Solidarity) (as of 10 July 2017)
5. Slavko Kojić, Stranka rada i solidarnosti (Labour and Solidarity Party) – substituted by Robert Hirc, Reformisti (Reformists) (as of 10 July 2017)
6. Ljubica Hrgović, SDP (Social Democratic Party) - substituted by Matej Mišić, SDP (Social Democratic Party) (as of 10 July 2017)
7. Draženko Pandek, SDP (Social Democratic Party) – substituted by Radenko Tomić, SDP (Social Democratic Party) (as of 10 July 2017). Radenko Tomić, has been a member of Stranka rada i solidarnosti (Labour and Solidarity Party) since 23 August 2017.
8. Tihomir Barišić, SDP (Social Democratic Party) – substituted by Renato Petek, Naprijed Hrvatska! (Forward Croatia!) (as of 10 July 2017)
9. Nikolina Brnjac, HDZ (Croatian Democratic Union) – substituted by Mislav Herman, HDZ (Croatian Democratic Union) (as of 10 July 2017)
10. Krunoslav Katičić, HDZ (Croatian Democratic Union) – substituted by Kazimir Ilijaš, HDZ (Croatian Democratic Union) (as of 10 July 2017)
11. Branko Lustig, non-partisan – substituted by Vjekoslav Jeleč, non-partisan (as of 10 July 2017)
As of 30 August 2017, Vjekoslav Jeleč, has been an inactive member due to the appointment to another duty, rendering him incompatible to carry out the duties of a City Assembly member.

12. Vjekoslav Jeleč, non-partisan – substituted by Darko Katuša, non-partisan (as of 30 August 2017)
13. Iva Kvakić, "FOR THE CITY" – substituted by Svibor Jančić, "FOR THE CITY" (as of 19 October 2017)
14. Mate Kapović, "Workers' Front" – substituted by Katarina Peović Vuković, "Workers' Front" (as of 25 January 2018)
As of 4 September 2018, Katarina Peović Vuković, Assist.Prof., mandate has been suspended for personal reasons.
15. Ana Rucner, non-partisan – substituted by Natalija Prica Oreški, (as of 4 May 2018)
16. Ana Lederer, "Bruna Esih – Zlatko Hasanbegović: Independents for Croatia" (as of 6 June 2018)
As of 6 June 2018, mandates have been suspended for the following City representatives: Domagoj Bešker, Marko Radoš, Dijana Machala and Rozalija Bartolić.
As of 6 June 2018, Davorin Karačić, M.Jur., "Bruna Esih – Zlatko Hasanbegović: Independents for Croatia", has taken the office of deputy City representative.
As of 20 December 2019 Ana Lederer is a member of the party Block for Croatia.
17. Sandra Švaljek, "Independent List of Sandra Švaljek" (as of 20 July 2018) – substituted by Marijana Sumpor, "Independent List Zagreb" (as of 21 August 2018)
18. Katarina Peović Vuković, "Workers' Front" – substituted by Miljenka Ćurković, "Workers' Front" (as of 4 September 2018)
19. Darinko Kosor, HSLS (Croatian Social Liberal Party) - substituted by Vladimir Andrić, HSLS (Croatian Social Liberal Party), (as of 28 November 2018)
20. Andrija Mikulić, HDZ (Croatian Democratic Union) (as of 9 April 2019)– substituted by Ivan Kujundžić, HDZ (Croatian Democratic Union) (as of 17 April 2019)
On 26 November 2019 Ivan Kujundžić's term of office was terminated due to his resignation.
21. Miljenka Ćurković, "Workers' Front" – substituted by Zlatko Nikolić, "Workers' Front" (as of 31 May 2019)
As of 31 January 2020 Zlatko Nikolić's mandate is dormant.
22. Milana Vuković Runjić, Stranka rada i solidarnosti (Labour and Solidarity Party) - substituted by Gzim Redžepi, non-partisan
23. Zlatko Nikolić, Workers' Front - replaced by David Bilić, Workers' Front (as of 31 January 2020)
24. Nenad Matić, Green List (as of 19 May 2020) - replaced by Nenad Predovan, Labour and Solidarity Party (as of 21 May 2020)
25. Grgo Jelinić, Labour and Solidarity Party (as of 19 May 2020) - replaced by Mira Božić, Labour and Solidarity Party (as of 21 May 2020)
26. Ljerka Mintas-Hodak, independent (as of 12 June 2020) - replaced by Bogdanka Srdić-Vulpe, Labour and Solidarity Party (as of 16 June 2020)
27. Ivan Čelić, Croatian Democratic Community (as of 21 July 2020) - replaced by Mario Župan, Croatian Democratic Community (as of 4 September 2020)

City representatives whose mandate terminated and their deputies¹⁾

1. Ivan Kujundžić (date of mandate termination 26 November 2019 due to resignation) - replaced by Ivana Mamić, Croatian Democratic Community (as of 9 December 2019)

¹⁾ Data as of 14 September 2020

²⁾ Statuts as of 8 December 2020

Source: City Assembly of the City of Zagreb

CITY ASSEMBLY MEMBERS

by level of education, age groups, and distribution of seats¹⁾

	Number of members of the City Assembly		
	total	representatives (male)	representatives (female)
City representatives	51	34	17

According to the education structure			
High - total	41	25	16
out of which:			
PhD	12	6	6
Master of science	4	1	3
Higher	6	5	1
Medium	4	4	-
Lower	-	-	-

According to age group			
up to 29 years	1	1	-
from 30 to 39 years	6	5	1
from 40 to 49 years	12	8	4
from 50 to 59 years	19	13	6
from 60 to more years	13	7	6

According to mandate distribution			
Bandić Milan 365 - Labour and Solidarity Party	13	7	6
Block for Croatia	3	2	1
Croatian Democratic Community	7	5	2
Croatian People's Party – Liberal Democrats	1	1	-
Croatian Social Liberal Party	2	2	-
Civic Liberal Alliance	3	1	2
Independent for Croatia	2	1	1
Independent List Zagreb	1	-	1
New Left	1	-	1
Workers' Front	1	1	-
Social Democratic Party of Croatia	5	4	1
For the City	1	1	-
Zagreb is ours!	1	1	-
Non-partisan	10	8	2

¹⁾ Data as of 14 September 2020

BASIC INFORMATION ABOUT THE CITY OF ZAGREB

GEOGRAPHICAL LOCATION	
15° 59' east longitude of Greenwich	
45° 49' north latitude (measuring point Grič)	
Elevation	
Grič 158 m; Zrinjevac 122 m; Sljeme 1 035 m	
SURFACE AREA, km ²	641.32
CLIMATE IN 2019	
Highest temperature, ° C	+35.9
Lowest temperature, ° C	-5.3
Average air pressure, hPa	996.7
Total sunshine hours, h	2 057
Precipitation (annually), mm	952.8
POPULATION – Census of 2011	
Total population	790 017
men	369 339
women	420 678
Population by age	
Under 14	116 059
From 15 to 64 years	537 188
65 years and more	136 770
HOUSEHOLDS – Census of 2011	
Number of households	303 441
Average number of household members	2.57
HOUSING – Census of 2011	
Dwellings – total	384 333
Dwellings used for permanent housing	373 538
Occasionally occupied dwellings	5 112
Dwellings used for business activity only	5 683
Occupied dwellings	299 977
Average surface area of occupied dwellings, m ²	71.01
Collective dwellings	209
POPULATION IN 2019 (estimate)	
Population	807 254

NATURAL CHANGE IN POPULATION IN 2019		
		per thousand inhabitants
Births	8 062	10.0
Deaths	8 865	11.0
Natural increase/decrease	-803	-1.0
Vitality index (live births per 100 deaths)	90.9	
Marriages concluded	3 808	4.7
Divorces	1 430	1.8
MIGRATION OF POPULATION IN 2019		
Net migration rate		3 697
Immigrants		17 527
Emigrants		13 830
EMPLOYMENT IN 2019		
Employed persons – total, status as of 31 March		437 624
Persons employed in legal entities, status as of 31 March		407 528
Persons employed in crafts and freelance activities, status as of 31 March		29 578
Employed insured farmers, status as of 31 March		518
UNEMPLOYMENT IN 2019		
Unemployed persons, status as of 31 March		17 050
Unemployment rate, %		3.7
EARNINGS IN 2019		
Average monthly net earnings, in HRK		7 510
Average monthly gross earnings, in HRK		10 572
Nominal indices of net earnings		103.7
Nominal indices of gross earnings		103.8
PENSION INSURANCE IN 2019		
Number of pension beneficiaries, status as of 31 December		193 807
Average monthly pension deducted by tax and surtax, HRK		3 321

HEALTH CARE IN 2019	
Number of doctors of medicine	5 026
Of which specialists	3 598
Other health care workers	15 564
Health centres	4
Hospitals	18
Of which clinics	8
Specialised hospitals	10
Number of hospital beds	6 333
Number of patients in hospitals	254 875
Outpatient polyclinics (independent health care institutions)	180
Pharmacies	231
SOCIAL WELFARE IN 2019	
Number of beneficiaries of social welfare and services of the City of Zagreb	
Allowance to pensioners	8 103
Entitlement to free transit pass by ZET	70 518
Soup kitchen beneficiaries	2 325
number of beneficiaries of paid baby bonuses	20 614
Governmental benefits for children	
Number of children's allowance beneficiaries	18 944
Paid children's allowance, thousands of HRK	183 805
GROSS DOMESTIC PRODUCT IN 2017	
GDP, millions of HRK	125 020
GDP per capita, HRK	155 541
FOREIGN TRADE IN GOODS IN 2019	
Export, thousands of HRK	35 210 291
Import, thousands of HRK	93 081 942
Balance of foreign trade, thousands of HRK	-57 871 651
Coverage of import by export, %	37.8
ENERGY, WATER SUPPLY, DRAINAGE IN 2019	
Electricity consumption, thousands of GWh	2 731
Gas consumption, millions of kWh	3 317
Water consumption, thousands of m ³	54 683
Length of water supply pipeline, km	2 728
Number of water pipeline connections	88 324

Sewerage network length, km	2 174
Number of storm drains	55 800
Disposed waste, tonnes	200 924
Number of firefighting interventions	4 114
TRANSPORT AND COMMUNICATION IN 2019	
Urban transport	
Tram – transported passengers, thousands	178 952
Bus – transported passengers, thousands	82 285
Number of taxis, status as of 31 December 2018	3 597
Number of registered motor vehicles	406 169
Of which	
Personal cars	340 610
Goods vehicles and work vehicles	41 874
Motorcycles	10 861
Length of cycle lanes in transport infrastructure	
transport network, km	246
Air traffic – departing and arriving passengers, thousands	3 436
Post offices	73
Number of postmen	442
FAIRS IN 2019	
Zagreb Fair	
Number of fairs	18
Number of exhibitors	2 351
Domestic	1 487
Foreign	864
Visitors, thousands	275
TOURISM IN 2019	
Hotels	60
Beds	7 733
Hostels	45
Beds	2 271
Tourist arrivals	1 454 019
Foreign	1 210 921
Overnight stays	2 638 962
Foreign	2 186 449

EDUCATION IN 2019

Kindergartens and other legal entities that implement pre-school programmes	327
Of which	
Kindergartens	304
Other legal entities	23
Number of children accommodated	39 690
Dormitories for secondary school students	15
Number of students in dormitories	2 388
Student dormitories	4
Number of students in dormitories	7 205
Primary schools – total, at the start of the school year 2019/2020	146
Number of students	61 231
Number of teachers	5 819
Secondary schools – total, at the start of the school year 2019/2020	107
Number of students	34 950
Number of teachers	3 940
Higher education institutions – total, at the start of the academic year 2019/2020	55
Students – total	73 505
Faculties	39
Enrolled students – total	58 082
Professional studies – students	5 471
University studies – students	52 611
Academies of Arts	3
Enrolled students	1 291
Post-secondary education institutions	13
Enrolled students – total	4 090
Polytechnics	4
Enrolled students – total	10 042
Students graduated from higher education institutions in 2019	16 142

CULTURE IN 2019

Theatres	86
Plays	6 560
Seats	10 518
Visitors	1 249 830
Movie theatres	49
Seats	9 185
Visitors, in thousands	2 240
Museums in 2018	37
Museum visitors	1 214 885
Zagreb Philharmonic Orchestra	
Concerts in Zagreb	57
Visitors in Zagreb	34 510
Libraries, 2019	348
visitors, thousands	11 641
Professional orchestras, ensembles and choirs, 2018/2019	30
concerts	592
visitors	256 764
ZOO – number of animals	8 856
Visitors	469 391
Of which children	218 058
at events	24 531
Botanical Garden of the Faculty of Science	
Surface area, m ²	44 000
Number of plant taxa (condition on 28 October 2010)	5 433

SPORTS IN 2019

Sports associations	974
Types of sports	
Football	134
Bowling	33
Tennis	30
Handball	32
Basketball	30
Total number of active members	105 732

**IMMOVABLE CULTURAL GOODS IN 2019
REGISTERED IN THE CULTURAL OBJECTS
REGISTER OF THE REPUBLIC OF CROATIA**

List of Protected Heritage and List of Preventively
Protected Heritage

Archaeological heritage	
Archaeological sites	5
Historical-architectural ensembles	
Urban settlements	7
Rural settlements	10
Historical complexes and structures	
Architectural complexes	48
Civil architecture	421
Religious architecture	43
Ethnological heritage	
Ethnological areas	4
Ethnological structures	46
Memorial heritage	
Commemorative and historical area	1
Memorial object, public monument and fountains	39

Source: City of Zagreb, City Office for Protection of Cultural
Monuments and Nature

**MOVABLE CULTURAL GOODS IN 2019
REGISTERED IN THE CULTURAL OBJECTS
REGISTER OF THE REPUBLIC OF CROATIA**

List of Protected Cultural Heritage and List of
Preventively Protected Heritage

Individual items	58
Collections (collections, museums, libraries, archives)	227
Intangible cultural goods	14

Source: City of Zagreb, City Office for the Conservation of
Cultural and Natural Heritage

PROTECTED NATURAL AREAS IN 2019

Nature parks	1
Nature reserves	8
Protected landscape	3
Natural monument	1
Monuments of park architecture	18
Ecological Network Natura 2000	6

Izvor: City Institute for the Conservation of Cultural and Natural
Heritage.

**HONORARY CITIZENS OF THE CITY
OF ZAGREB**
Number of honorary citizens of the City of Zagreb

1850 – 1918	26
1919 – 1934	8
1945 – 1990	10
1990 – 2018	15

**“ZAGREB WOMAN OF THE YEAR” AWARD¹⁾
from 2016 to 2020**

2016 Sandra Perković
2017 Janica Kostelić
2018 Mirjana Bohanec Vidović
2019 PhD Jasna Kovačević, senior librarian
2020 Marija Sekelez, graduate drama artist, actress,
director and humanitarian

**“LUKA RITZ” AWARD – VIOLENCE IS NOT
COURAGE¹⁾
from 2016 to 2020**

2016 Nika Barić, pupil of Kustošija Primary School
Nikolina Jelenić, pupil of Ruđer Bošković
Technical School
2017 Luka Gnjiđić, pupil of Dragutin Domjanić
Primary School Patricija Marelja, pupil of
Vladimir Prelog Science School
2018 Tvrtko Šapina, pupil of Grigor Vitez Primary
School
Mislav Matijević, pupil of First Grammar
School
2019 Niko Radujković, a student of Primary School
“Dr Ivan Merz”
Matija Ostoić, a student of Industrial
Mechanical Engineering school
2020 Lea Zelić, student of the Dobriša Cesarić
Elementary School
Mihael Kuzmičić, School for graphics, design
and media production

CITY OF ZAGREB AWARD¹⁾**Number of awards from 2016 to 2020**

Year	Total	Number of persons, groups and group of authors	Number of institutions/ associations	Number of companies/ firms
2016	16	13	3	-
2017	14	11	2	1
2018	17	14	2	1
2019	15	13	2	-
2020	16	14	2	-

Winners of the City of Zagreb Award in 2020¹⁾

1. Dana Budisavljević, director
2. Prof. PhD Ante Čorušić, director of the Clinical Hospital Center Zagreb, professor in a permanent position at the Department of Gynecology and Obstetrics, Faculty of Medicine, University of Zagreb
3. Prof. PhD Krešimir Čosić, retired colonel general, full professor at the Faculty of Electrical Engineering and Computing, University of Zagreb, full member of the Croatian Academy of Engineering
4. Croatian Baroque Ensemble
5. academic Zvonko Kusić
6. Jelena Lončar, graduate social worker, director of the Caritas of the Archdiocese of Zagreb for the field of social welfare and humanitarian activities
7. Croatian Chamber of Trades and Crafts
8. MSc Hrvoje Pezo, DMD president of the Croatian Chamber of Dental Medicine
9. Working group consisting of 67 scientists and experts from the Faculty of Medicine, University of Zagreb and the Clinical Hospital Centre Zagreb
10. Josip Smiljčić, driver II in Čistoća branch of Zagrebački holding d.o.o.
11. Zlatko Stić, M. Eng. head teacher at the Vladimir Prelog Science School
12. Laura Štefanac, athlete, member of the Athletic Club "Kvarner" Rijeka, member of the Zagreb Deaf Sports Association and the Sports Association of the Deaf Silent
13. prof. emer. PhD Stanislav Tedeschi,
14. academic Goran Tribuson, author
15. Milan Zanoški, traffic engineer, President of the Veterans Club of the 148th Brigade of the Croatian Army
16. academic Davor Miličić, vice-president of the Croatian Academy of Sciences and Arts

¹⁾The Decision on public recognitions of the City of Zagreb (Official Gazette of the City of Zagreb, No. 4/00, 8/02, 1/04, 20/04, 18/06, 16/09, 3/10, 3/14, 16/14, 11/15, 15/15 - consolidated text, 10/18 i 2/19)

Source: Professional Service of the City Assembly of the City of Zagreb

CITIES WITH WHICH PARTNERSHIP AGREEMENTS HAVE BEEN SIGNED**from 2011 to 2019**

- 2011 Skopje, Macedonia, FYR
- 2011 Warsaw, Republic of Poland
- 2012 Berlin, Federal Republic of Germany
- 2012 Pristina, Republic of Kosovo
- 2012 Rome, Republic of Italy
- 2012 Sofia, Republic of Bulgaria
- 2014 Astana, Republic of Kazakhstan
- 2014 Chongqing Municipality, People's Republic of China
- 2015 Petrinja, Republic of Croatia
- 2015 Molise Region, Republic of Italy
- 2015 Sinj, Republic of Croatia
- 2016 Vukovar, Republic of Croatia
- 2017 Senj, Republic of Croatia
- 2017 Xiangyang, People's Republic of China
- 2019 Daruvar, Republic of Croatia

Source: Office of International Relations and Human Rights

ORGANIZATIONAL STRUCTURE OF THE CITY OF ZAGREB

Territory and organisational structure of the City of Zagreb have changed in recent years. For this reason, data for the periods published in this Yearbook pertain to the then-valid territorial organization of the City. Since 1998, territorial organization of the City of Zagreb has not changed.

1987 – 1990

The following municipalities comprised the Zagreb City Municipal Community: Downtown (Centar), Črnomerec, Dubrava Maksimir, Medveščak, Novi Zagreb, Peščenica, Samobor, Sesvete, Susedgrad, Trešnjevka, Trnje, Velika Gorica and Zaprešić (Act on Determination of Areas of Zagreb City Municipal Community, Official Gazette 55/86 and 13/87).

1 January 1991 – 30 December 1992

Pursuant to the Act on Fusion of Municipalities within the territory of the Zagreb City Municipal Community up until December 1992 and Cessation of the Zagreb City Municipal Community (Official Gazette 47/90 and 33/92), Zagreb City Municipal Community and all municipalities thereof were abolished and a unique municipality of the City of Zagreb was established. In the period between May 1992 and the end of December 1992, the municipality of Dugo Selo was annexed to Zagreb.

31 December 1992 – 20 September 1995

In terms of organisation into counties within the Republic of Croatia, the City of Zagreb is a special and unique territorial and administrative unit, which holds the status of a county (Act on the Territories of Counties, Cities and Municipalities in the Republic of Croatia, Official Gazette 90/92). Zagreb City County includes the following municipalities: Downtown (Centar), Črnomerec, Dubrava, Maksimir, Medveščak, Novi Zagreb, Peščenica, Sesvete, Susedgrad, Trešnjevka, Trnje, Velika Gorica and a part of Zaprešić (11 settlements). The City of Zagreb comprises 176 settlements (Act on the City of Zagreb, Official Gazette 90/92).

21 September 1995 – 30 January 1997

By virtue of the Act on Zagreb County (Official Gazette 69/95), merger between the Zagreb County and the City of Zagreb was completed. Zagreb County was established, consisting of the City of Zagreb and the towns of Jastrebarsko, Samobor, Sveti Ivan Zelina, Velika Gorica, Vrbovec, Zaprešić and 25 municipalities. These 25 municipalities are Bedenica, Bistra Brckovljani, Brdovec, Dubrava,

Dubravica, Dugo Selo, Farkaševac, Gradec, Jakovlje, Klinča Selo, Krašić, Kravarsko, Luka, Marija Gorica, Orle, Pisarovina, Pokupsko, Preseka, Pušća, Rakovec, Rugvica, Stupnik, Sveta Nedjelja and Žumberak. The City of Zagreb became a separate and unique territorial and administrative unit within the Zagreb County. Following separation of the former municipality of Velika Gorica, a part of the former municipality of Zaprešić (11 settlements) and the newly established municipality of Stupnik (which was separated from the former municipality of Novi Zagreb and became the municipality of the Zagreb County), Zagreb County consists of 69 settlements.

From 31 January 1997

Pursuant to the Act on the Territories of Counties, Cities and Municipalities in the Republic of Croatia (Official Gazette 10/97, 124/97, 68/98, 22/99, 117/99, 86/06), the City of Zagreb is an autonomous and unique territorial and administrative unit which has the status of a county. The City comprises 70 settlements (the settlement of Horvati in the municipality of Stupnik once again became a settlement of the City of Zagreb).

From 14 December 1999

By virtue of the Statute of the City of Zagreb (Official Gazette of the City of Zagreb 19/99), city districts (17) and local committees were established as forms of local self-government. The borders of City districts are arranged according to the Decision on the borders of the areas and headquarters of city districts (Official Gazette of the City of Zagreb No. 20/00. i 7/09.). Based on the Decision on the organization and scope of city administrative bodies (Official Gazette of the City of Zagreb 11/05), regional offices were established for the territory of one or more city districts of the City of Zagreb, as regional units of the City Administration. The Decision on the neighbourhoods in the City of Zagreb (Official Gazette of the City of Zagreb No. 12/19.) states that there are 68 neighbourhoods in the area of the City of Zagreb and determines the borders of the neighbourhoods and their names.

SETTLEMENTS OF THE CITY OF ZAGREB – 2011 Census

Settlements ¹⁾	Surface area ²⁾ , km ²	Population			Private households		Dwellings	
		Total	Men	Women	Total	Of which: family house holds	Total	Dwellings for permanent housing
CITY OF ZAGREB – total	641.32	790 017	369 339	420 678	303 441	209 430	384 333	373 538
Adamovec	7.78	975	478	497	269	226	425	287
Belovar	3.58	378	179	199	99	84	126	118
Blaguša	5.80	594	281	313	175	140	257	213
Botinec	0.35	9	4	5	3	3	3	3
Brebernica	2.52	49	24	25	18	10	36	21
Brezovica	4.50	594	287	307	163	130	180	179
Budenec	2.83	323	161	162	101	76	141	141
Buzin	3.22	1 055	517	538	343	279	414	410
Cerje	1.21	398	194	204	113	99	141	121
Demerje	10.23	721	366	355	221	182	277	268
Desprim	0.50	377	190	187	110	95	128	126
Dobrodol	4.32	1 203	604	599	349	301	608	420
Donji Čehi	1.72	232	112	120	73	58	94	91
Donji Dragonožec	3.35	577	262	315	185	143	312	224
Donji Trpuci	10.01	428	204	224	132	103	243	160
Drenčec	2.09	131	66	65	40	36	46	43
Drežnik Brezovički	0.70	656	328	328	184	153	200	197
Dumovec	3.27	903	465	438	255	221	285	281
Đurđekovec	2.80	778	373	405	255	203	392	321
Gajec	2.40	311	140	171	94	86	112	104
Glavnica Donja	6.84	544	255	289	160	124	224	193
Glavnica Gornja	1.59	226	109	117	67	45	131	84
Glavničica	4.31	229	105	124	61	52	77	77
Goli Breg	2.09	406	187	219	121	99	139	135
Goranec	3.29	449	217	232	138	107	300	166
Gornji Čehi	2.15	363	177	186	104	89	114	111
Gornji Dragonožec	3.11	295	159	136	94	67	189	109
Gornji Trpuci	3.62	87	48	39	35	25	98	42
Grančari	0.94	221	107	114	63	57	69	66
Havičić Selo	1.95	53	24	29	17	12	71	23
Horvati	20.77	1 490	705	785	419	346	504	451
Hrašće Turopoljsko	2.74	1 202	594	608	370	301	438	430
Hrvatski Leskovac	3.33	2 687	1 367	1 320	818	686	951	935
Hudi Bitek	1.93	441	203	238	134	112	150	146
Ivanja Reka	3.37	1 800	874	926	579	475	652	652
Jesenovec	2.72	460	230	230	116	102	170	125
Ježdovec	7.71	1 728	835	893	487	413	612	572

SETTLEMENTS OF THE CITY OF ZAGREB – 2011 Census

(Continued)

Settlements ¹⁾	Surface area ²⁾ , km ²	Population			Private households		Dwellings	
		Total	Men	Women	Total	Of which: family house holds	Total	Dwellings for permanent housing
Kašina	8.37	1 548	756	792	470	379	596	539
Kašinska Sopnica	2.15	245	117	128	77	58	173	85
Kučilovina	2.46	219	104	115	77	64	171	105
Kučanec	0.22	228	109	119	78	62	127	106
Kupinečki Kraljevec	26.02	1 957	972	985	558	483	815	603
Lipnica	3.53	207	98	109	66	53	119	72
Lučko	2.58	3 010	1 501	1 509	927	767	1 076	1 066
Lužan	7.32	719	344	375	191	165	224	222
Mala Mlaka	3.98	636	311	325	153	130	211	204
Markovo Polje	2.35	425	210	215	126	103	139	138
Moravče	6.91	663	323	340	204	160	302	249
Odra	13.11	1 866	879	987	551	464	931	918
Odranski Obrež	10.91	1 578	753	825	455	387	498	495
Paruževina	3.80	632	319	313	212	157	504	256
Planina Donja	4.86	554	262	292	171	129	261	209
Planina Gornja	6.82	247	127	120	77	65	101	86
Popovec	2.59	937	470	467	296	242	379	369
Prekvršje	2.51	809	392	417	264	209	628	347
Prepuštovec	2.17	332	155	177	113	86	157	133
Sesvete	36.19	54 085	26 027	28 058	17 243	14 107	22 252	22 130
Soblinec	2.58	978	493	485	263	239	331	323
Starjak	2.15	227	117	110	69	58	109	77
Strmec	13.26	645	315	330	191	166	202	200
Šašincevec	10.16	678	325	353	189	152	283	278
Šimunčevac	2.00	271	124	147	95	69	255	138
Veliko Polje	1.23	1 668	816	852	513	433	742	729
Vuger Selo	1.43	273	134	139	84	67	194	104
Vugrovec Donji	0.49	442	215	227	123	106	188	156
Vugrovec Gornji	2.08	357	176	181	112	90	297	139
Vurnovec	0.95	201	95	106	76	58	94	88
Zadvorsko	2.12	1 288	634	654	399	346	442	435
Zagreb	305.96	688 163	319 969	368 194	271 880	183 496	342 028	334 299
Žerjavinec	2.42	556	266	290	173	140	195	195

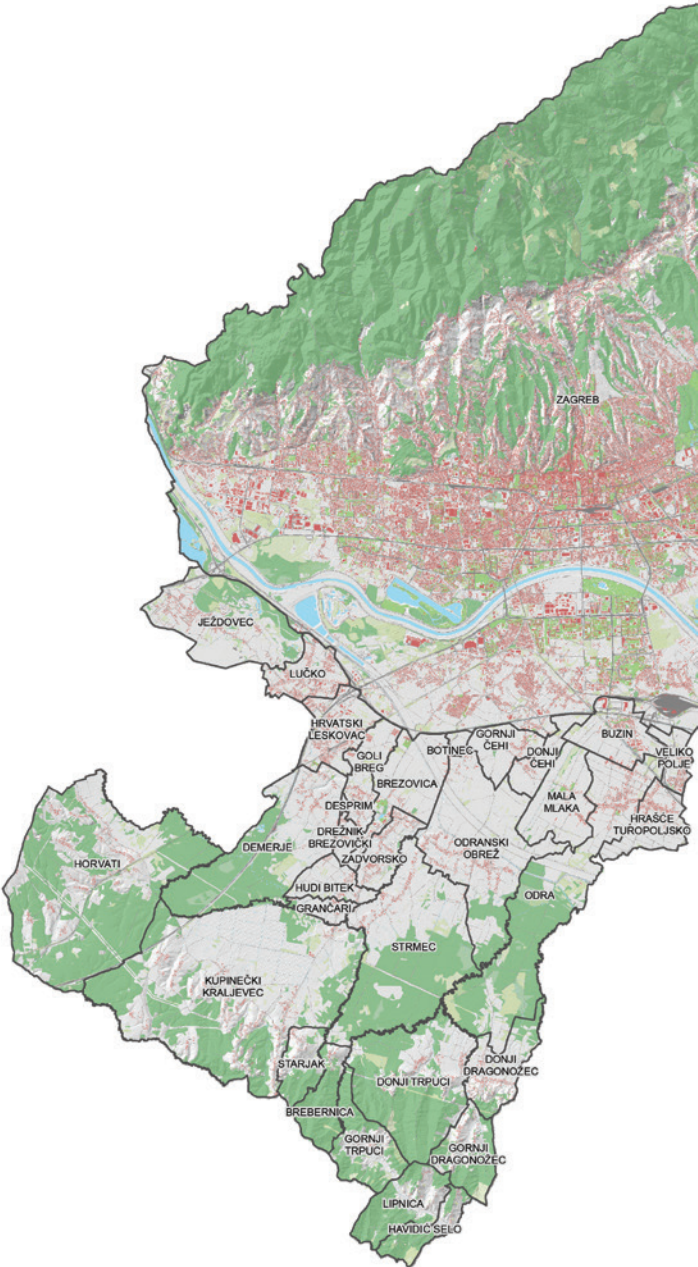
¹⁾ Settlements of the City of Zagreb are presented according to the Act on the Territories of Counties, Towns and Municipalities in the Republic of Croatia (Official Gazette 10/97).

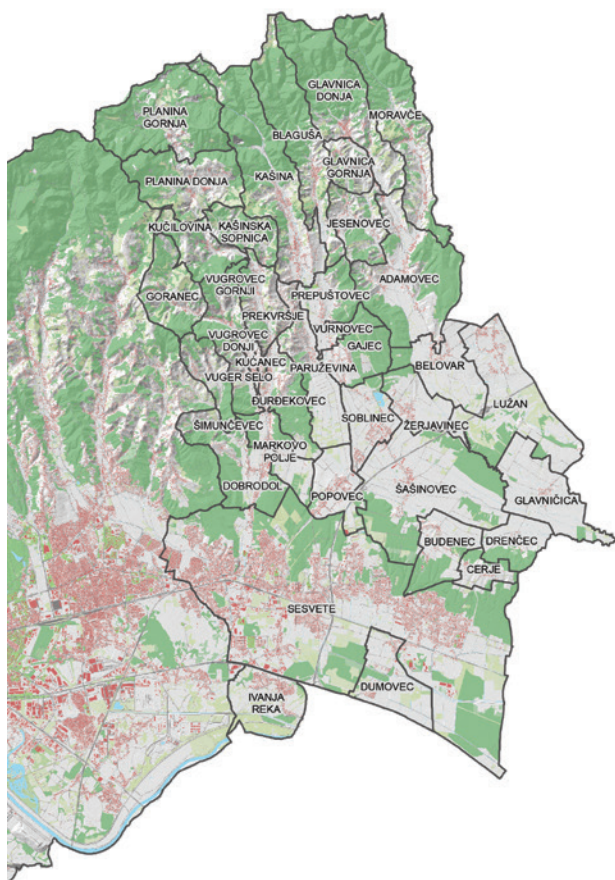
Changes in the territory and borders of the settlement Dobrodo, Markovo Polje and Šimunčevac – Decision on the Boundaries of Settlements of the City of Zagreb (Official Gazette of the City of Zagreb 07/07).

²⁾ Data on surface areas was obtained from the City Office for Cadastre and Geodetic Activities.

Source: City Office for Cadastre and Geodetic Activities and Croatian Bureau of Statistics (CBS); processing: COSPDC – Department of Statistical and Analytical Affairs

SETTLEMENTS OF THE CITY OF ZAGREB





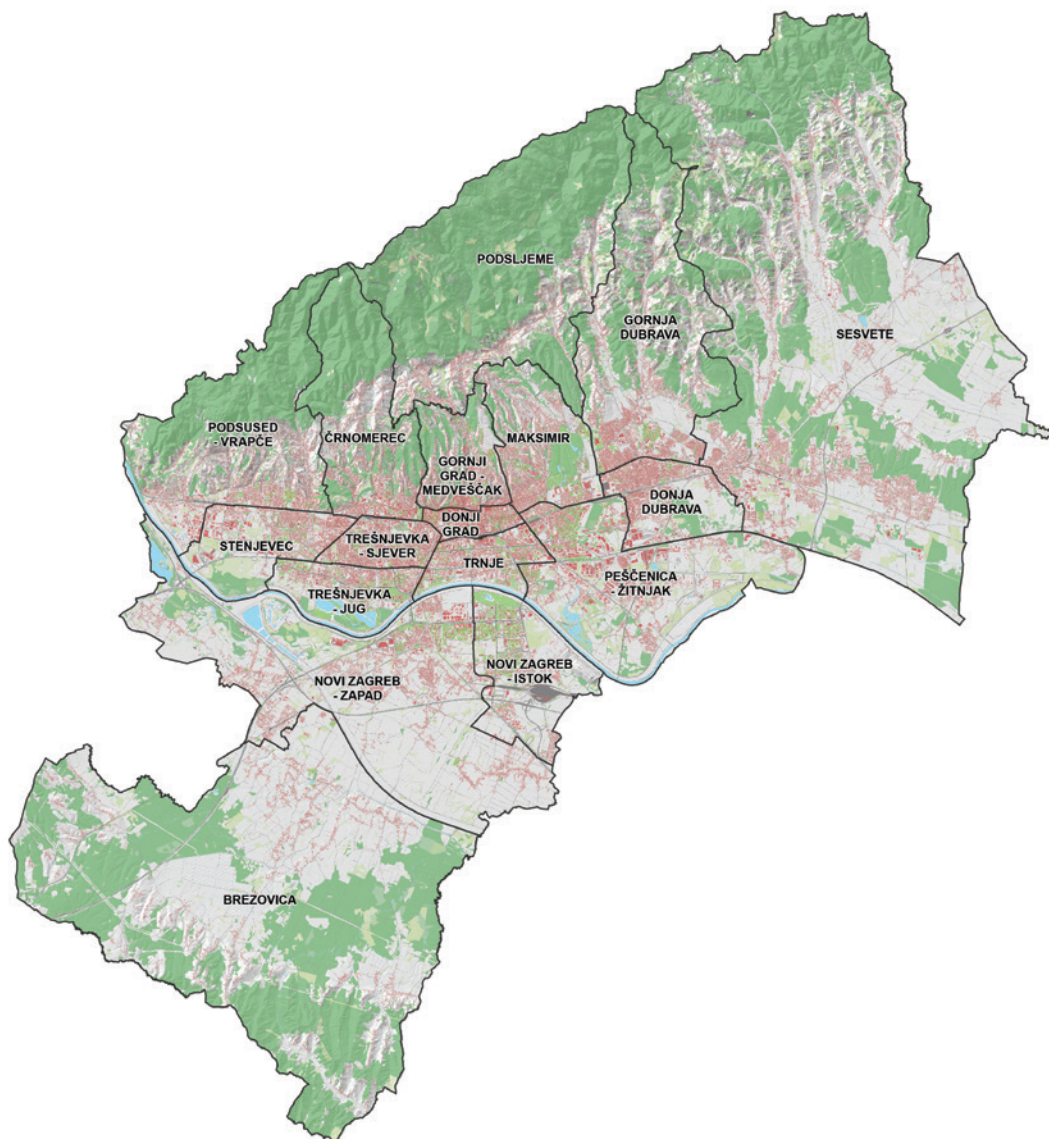
CITY DISTRICTS OF THE CITY OF ZAGREB – 2011 Census

City districts		Surface area ¹⁾ , km ²	Population			Private households		Dwellings	
			Total	Men	Women	Total	Of which: family households	Total	Dwellings for permanent housing
CITY OF ZAGREB – total		641.32	790 017	369 339	420 678	303 441	209 430	384 333	373 538
I	Donji Grad	3.02	37 024	16 334	20 690	16 616	9 673	23 397	21 571
II	Gornji grad – Medveščak	10.19	30 962	14 162	16 800	12 904	8 180	17 088	16 558
III	Trnje	7.36	42 282	19 202	23 080	18 352	11 340	23 366	22 935
IV	Maksimir	14.97	48 902	22 437	26 465	19 098	12 966	24 525	24 104
V	Peščenica – Žitnjak	35.30	56 487	26 381	30 106	21 628	14 723	26 711	26 483
VI	Novi Zagreb – east	16.54	59 055	27 046	32 009	24 827	16 581	28 966	28 804
VII	Novi Zagreb – west	62.64	58 103	27 714	30 389	21 564	15 104	27 343	26 977
VIII	Trešnjevka – north	5.81	55 425	25 583	29 842	23 783	14 462	31 345	30 773
IX	Trešnjevka – south	9.84	66 674	30 932	35 742	28 055	18 277	34 158	33 767
X	Črnomerec	24.23	38 546	17 925	20 621	15 175	10 288	19 693	19 290
XI	Gornja Dubrava	40.26	61 841	29 332	32 509	21 257	16 004	26 091	24 736
XII	Donja Dubrava	10.81	36 363	17 335	19 028	12 319	9 448	14 736	14 637
XIII	Stenjevec	12.18	51 390	24 435	26 955	18 983	13 893	23 295	22 991
XIV	Podsused – Vrapče	36.16	45 759	21 584	24 175	16 781	12 455	19 958	19 595
XV	Podsljeme	59.43	19 165	9 215	9 950	6 591	5 127	8 810	8 419
XVI	Sesvete	165.25	70 009	33 873	36 136	21 950	17 951	30 155	27 959
XVII	Brezovica	127.33	12 030	5 849	6 181	3 558	2 958	4 696	3 939

¹⁾ Decision on the Borders of the Areas and City District Centres (Official Gazette of the City of Zagreb 07/09).

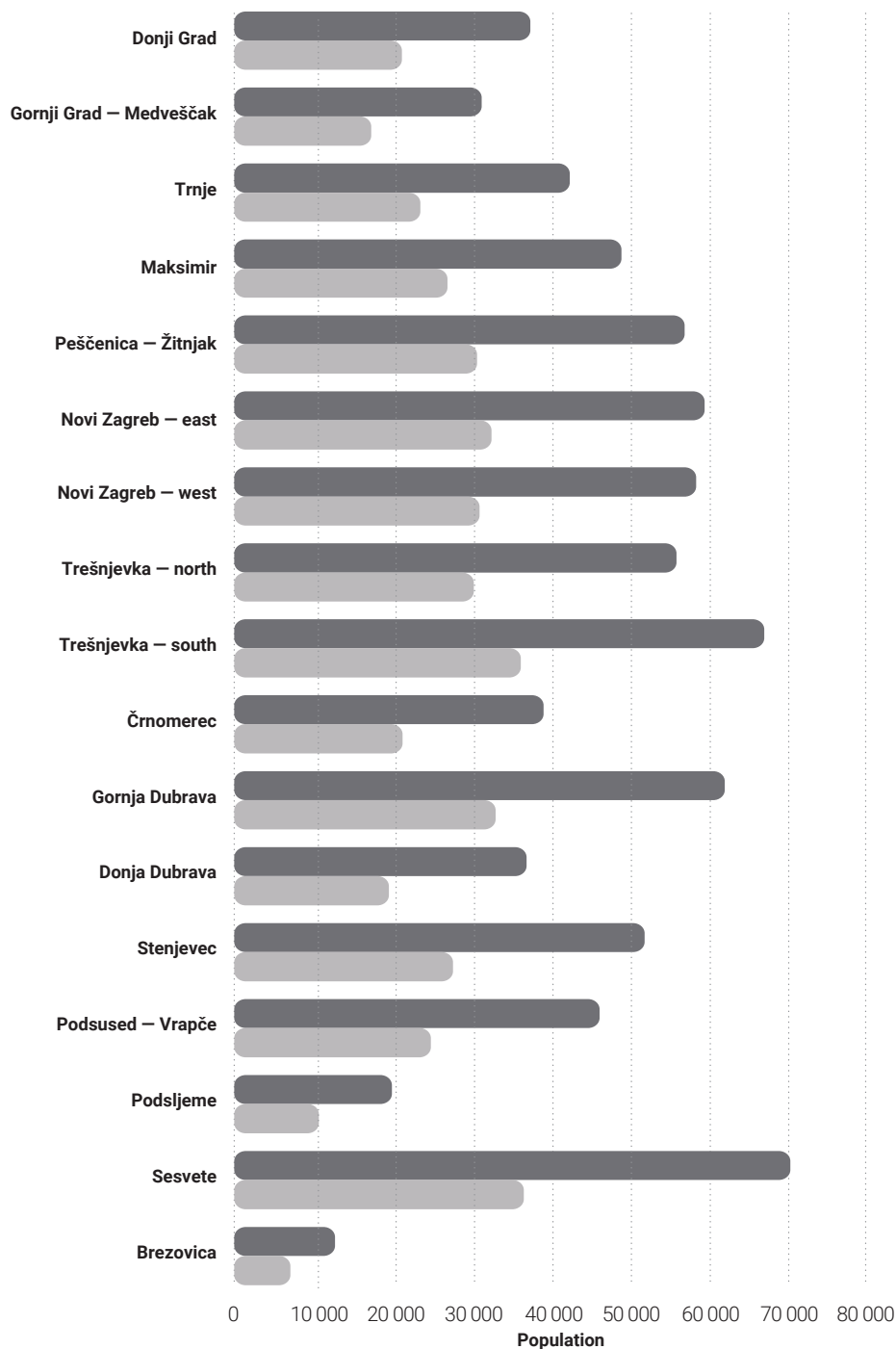
Source: City Office for Cadastre and Geodetic Activities;
processing: COSPDC – Department of Statistical and Analytical Affairs

CITY DISTRICTS OF THE CITY OF ZAGREB



City districts, population, 2011 Census

● Total ● Women



In 2019, the City of Zagreb recorded 101 warm days with the maximum temperature higher than or equal to 25 °C and 26 cold days with a minimum temperature lower than 0 °C.

01

Geographical and meteorological data



Photo: J. Duval, ZTB

NOTES ON METHODOLOGY

Source and method of data collection

Data on geographical position of Zagreb, its surface area, population and settlements pertain to the current territorial organization in the year for which the Yearbook is published.

Data on surface area are supplied by the City Office for Cadastre and Surveying Activities.

Abundance of data on meteorological, hydrological and geological conditions in the City of Zagreb, which give us a timeline of events in the last century, represents valuable material comprising the Zagreb Yearbook. Data for the respective fields were collected by the following competent institutions:

- Meteorological and Hydrological Service
- Institute for Medical Research and Occupational Health
- Faculty of Science, Department of Geophysics, Seismological Service
- Croatian Water Management Company.

The meteorological station Zagreb-Grič became operational in 1861. In 1877, Mr Ivan Stožir, a supervisor at the Grič meteorological station, introduced firing from the Grič cannon to mark noon every day.

Water levels are recorded continuously using an electronic measuring device, while discharge is calculated based on the recorded water level and discharge curve. The obtained data are then stored into the hydrological database of the Meteorological and Hydrological Service. Hydrological station Zagreb-Sava is located on the left bank of the Sava River, downstream from the Sava Bridge.

Definitions and explanations

Town/city roads are public roads that connect downtown area, roads in an urban area which connect town districts with county roads, and roads which interconnect neighbouring town districts. They are classified as local roads in accordance with the Roads Act (Official Gazette 84/11).

Values of different parameters of climate

elements (air temperature and humidity, quantity of precipitation, sunshine, wind force, frequency of acid rain) are measured and monitored on a daily basis on the synoptic, climate and precipitation measurement stations of the Meteorological and Hydrological Service.

Acid rain is any form of precipitation with an acidity level (lower pH level) higher than the expected acidity level of natural sources, which is polluted with sulphur dioxide, nitrogen oxides and other chemical compounds. While the normal pH value of rain is around 5.5, the pH value of acid rain ranges from 4 to 4.5 on average.

Surface water level represents the level of water in a watercourse, lake, sea or reservoir, and it is measured in metres (m) or centimetres (cm). On any monitoring station designed for water level measurement (water gauging hydrological station), the water level is measured with regard to the reference elevation ("zero elevation") for which mean sea level (MSL) has been previously determined based on a survey. Staff gauges are used for direct reading of the water level with regard to zero elevation. In the same manner, water levels can be permanently registered (recorded) by using either analogue or digital water level measuring instruments.

Discharge is the volume of water flowing through a flow area per unit of time. In hydrometry, discharge is usually expressed in cubic metres per second (m³/s) or in litres per second (l/s). Discharge is a derived value which is, as such, usually determined indirectly by measuring the velocity of water flow and surface of the flow area. Different types of instruments are used to measure velocity of water flow, starting from the regular current meters to the more sophisticated ultrasound and electromagnetic devices. Surface of the flow profile is determined upon geodetic and bathymetric surveying of the terrain configuration.

Ground water level is measured in metres (m) or centimetres (cm), and it represents the distance from the reference elevation ("zero elevation") to the depth at which all cavities in the ground are completely saturated with water (to the groundwater's water table). It is necessary to define the mean sea level for the reference elevation based on a geodetic survey. Ground water level is measured in piezometer wells. Level of ground waters can be measured during predefined periods or it can be continually registered (recorded) by using either analogue or digital water level measuring instruments designed especially for measurement of ground water level.

Earthquake magnitude is measured according to the international European Macroseismic Scale (EMS). The EMS 92 scale was in use from 1992, while in 1998, the 12-degree EMS 98 scale was introduced and has been in use since. Degrees have been determined according to the estimate of earthquake effect on people, buildings and nature. Earthquakes listed in this document are those with epicentre within a radius of 80 km from Zagreb.

Pursuant to the Water Act (OG 153/09, 130/11, 56/13 and 14/14), flood control in the Republic of Croatia is implemented in the following territorial units for flood control: river basin districts, sectors, protected areas, and sections. Republic of Croatia is divided in two river basin districts, six sectors and thirty-four protected areas. The boundaries of the river basin districts, sectors and protected areas are defined in the Water Act, whereas the number and designation of the respective sections are defined in the Main Implementation Plan for Flood Control.

Protected area is a fundamental territorial unit for flood control. It is generally the area of a small basin or, in exceptional circumstances, of several smaller basins or parts thereof that are smaller spatial units than a sub-basin, and which, due to their common properties of the water regime, create a perfect area for efficient flood control.

Pursuant to the Water Act, the City of Zagreb belongs to the following area of flood control: Sector C – the upstream Sava, Protected Area 14, the central part of Zagrebačko Prislavlje smaller basin.

Protected Area No. 14 is located in the north-western part of the Republic of Croatia and it covers the surface area of 957 km². It runs from the hillsides of Medvednica mountain and the mountain chain Samoborsko Gorje in the northwest, all the way to the Posavina plains in the southwest. It also includes the central part of Zagrebačko Prislavlje small basin. In terms of administrative territory, the Protected Area No. 14 includes the City of Zagreb and a part of Zagreb County – the towns of Samobor and Sveta Nedelja, and the municipality of Stupnik.

Water course means a channel through which water runs regularly or intermittently and which has its banks.

Ameliorative canal network consists of pumping stations, drainage facilities, facilities used for protection against erosion and torrents (concrete culverts, plugs, siphons, canal falls, anti-erosion lining, sluices and other accompanying facilities, plants and equipment).

1.1 Geographical location and height of the city above sea level

	Location according to the observatory on Grič		Height in meters above sea level
East longitude (Greenwich)	15°59'	Zrinjevac (city centre)	122
		Grič	158
North latitude	45°49'	Sljeme	1 035

Source: Faculty of Science, Department of Geography

1.2 Surface area, population and settlements

Surface area, km ²	Population (mid-2019 estimate)	Population per km ²	Number of settlements
641.32	807 254	1 259	68

Source: City Office for Cadastre and Geodetic activities; processing: COSPDC – Department for Statistical and Analytical Affairs

1.3 City roads, important traffic routes – selection by length

	Length, m	City district
Sljemenska road	21 512	Črnomerec
Slavonska avenue	13 183	Trnje, Peščenica – Žitnjak, Donja Dubrava, Sesvete
Kneza Branimira	8 541	Donji Grad, Maksimir, Donja Dubrava, Peščenica – Žitnjak
Zagrebačka avenue	8 100	Trešnjevka – south
Brezovička road	7 699	Novi Zagreb – west, Brezovica
Bologne boulevard	7 630	Podsused – Vrapče
Radnička road	7 254	Peščenica – Žitnjak, Trnje
Ilica	6 377	Vrapče/Črnomerec
M. Ljubek boulevard	6 313	Trešnjevka – north
“Grad Vukovar” street	5 865	Trešnjevka – north/Trnje/Peščenica – Žitnjak
Dr. L. Naletilića	5 346	Novi Zagreb – west, Brezovica
Jadranska avenue	4 645	Novi Zagreb – west
Miroševička road	4 520	Gornja Dubrava
Ježdovečka road	4 516	Novi Zagreb – west (Ježdovec, Lučko)
Štefanovec	4 316	Gornja Dubrava
Bukovačka road	4 008	Maksimir
Branovečka road	3 910	Gornja Dubrava
Dubrava	3 887	Gornja Dubrava/Donja Dubrava
Dubrovnik avenue	3 833	Novi Zagreb – west
Pantovčak	3 823	Gornji Grad – Medveščak
Selska road	3 549	Črnomerec, Trešnjevka – north, south
Maksimirska road	3 409	Maksimir/Gornja Dubrava
Vrhovec	3 378	Črnomerec
Ljubljanska avenue	3 010	Novi Zagreb – west
Savska road	2 678	Donji Grad, Trešnjevka (north, south), Trnje
Kralja Zvonimira	1 750	Donji Grad/Maksimir

Source: City Office for Physical Planning, Construction of the City, Utility Services and Transport, Department of Roads

1.4 Air temperature and total precipitation in the period between 1862 and 2019 as measured by the Meteorological Observatory Zagreb – Grič

	Day	January	February	March	April	May	June	July	August	September	October	November	December
Average daily air temperatures (°C)	1	0.8	1.3	4.8	10.6	14.4	18.7	21.3	22.5	19.2	15.2	9.0	3.9
	2	0.9	1.7	4.8	10.4	14.6	18.8	21.5	22.6	19.2	14.8	8.9	3.7
	3	1.1	1.7	4.9	10.9	14.9	19.2	21.6	22.3	19.4	14.6	8.9	3.2
	4	0.7	1.8	5.1	11.1	14.8	19.2	21.8	22.1	19.2	14.2	8.9	3.3
	5	0.4	2.0	5.3	11.1	14.3	19.1	21.7	22.1	18.7	13.9	8.8	3.3
	6	0.6	2.0	5.5	11.1	15.0	19.3	21.8	22.0	18.7	13.8	8.5	3.2
	7	0.8	1.9	5.8	11.3	15.4	19.3	21.7	22.0	18.7	13.6	8.4	3.0
	8	0.4	1.9	5.9	10.8	15.3	19.8	21.7	21.9	18.7	13.4	8.2	2.8
	9	0.5	1.9	6.1	10.8	15.6	19.7	21.7	22.0	18.4	13.2	8.1	2.6
	10	0.6	2.0	6.4	10.7	15.6	19.9	21.5	21.8	18.2	13.0	7.8	2.3
	11	0.8	2.3	6.5	10.9	15.7	19.5	21.5	21.4	18.2	12.8	7.3	2.2
	12	0.7	2.3	6.4	11.2	16.1	19.5	21.5	21.4	18.0	12.7	7.2	2.2
	13	0.3	1.9	6.3	11.5	16.2	19.5	21.9	21.5	17.4	12.6	7.0	2.3
	14	0.0	1.9	6.4	11.4	16.5	19.5	21.9	21.5	17.4	12.5	6.9	2.3
	15	0.0	1.8	6.9	11.9	16.4	19.6	22.0	21.7	17.4	12.3	6.7	2.1
	16	0.4	2.3	7.2	12.1	16.4	19.3	22.1	21.3	17.3	12.0	6.5	1.9
	17	0.6	2.7	7.6	11.9	16.6	19.2	22.3	21.3	16.8	11.6	5.9	1.8
	18	0.4	2.8	7.7	11.7	17.0	19.6	22.5	21.2	16.9	11.2	5.5	1.8
	19	0.3	3.0	7.9	12.2	17.1	19.8	22.2	21.2	16.6	11.1	5.3	1.9
	20	0.5	3.1	7.9	12.7	17.0	20.2	22.4	21.3	16.7	10.9	5.4	1.8
	21	0.5	3.3	8.3	12.7	17.1	20.3	22.0	20.8	16.1	10.9	5.2	1.6
	22	0.4	3.2	7.9	13.0	17.2	20.7	22.4	20.6	16.0	10.6	4.9	1.4
	23	0.4	3.5	8.2	13.1	17.3	20.6	22.3	20.5	16.0	10.8	4.8	1.3
	24	0.2	3.8	8.5	13.1	17.4	20.5	22.3	20.7	15.7	10.5	4.8	1.3
	25	0.5	4.2	9.0	13.5	17.8	20.4	21.7	20.2	15.7	10.3	4.7	1.2
	26	0.6	4.4	9.1	13.9	17.8	20.7	21.9	20.3	15.5	10.1	4.3	1.2
	27	0.6	4.6	9.3	13.6	17.9	20.7	22.3	20.1	15.4	9.8	4.2	1.0
	28	0.6	4.7	9.5	13.5	18.1	20.8	22.1	19.9	15.2	9.7	4.1	1.2
	29	0.7	5.1	9.6	13.7	18.4	20.7	22.1	20.1	15.1	9.7	4.2	1.3
	30	0.7		9.8	14.0	18.5	20.9	22.1	19.7	15.2	9.2	3.9	1.4
	31	1.1		10.1		18.6		22.1	19.3		9.3		1.1
Average air temperature (°C)		0.6	2.7	7.2	12.0	16.5	19.8	21.9	21.2	17.2	11.9	6.5	2.1
Highest temperature (°C) and the day of occurrence	max.	19.0	21.6	26.1	29.8	33.4	37.0	40.3	38.8	34.2	27.6	25.0	21.5
	year	2001	1998	1989	2012	2008	1935	1950	2013	1946	1971	1963	1989
	day	07 Jan	16 Feb	31 Mar	29 Apr	27 May	28 Jun	05 Jul	08 Aug	07 Sep	23 Oct	16 Nov	17 Dec

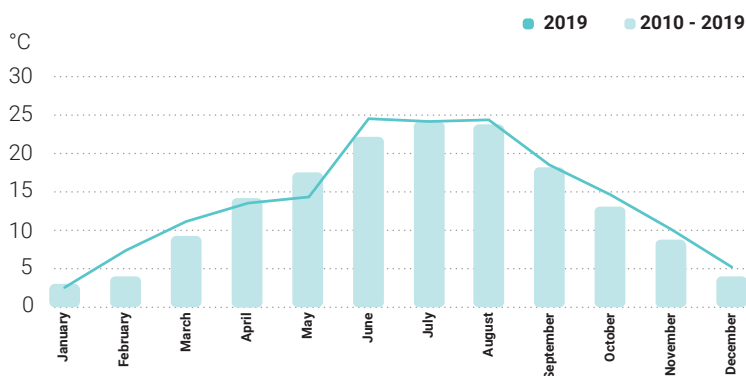
1.4 Air temperature and total precipitation in the period between 1862 and 2019 as measured by the Meteorological Observatory Zagreb – Grič

(Continued)

	Day	January	February	March	April	May	June	July	August	September	October	November	December
Lowest temperature (°C) and the day of occurrence	min.	-22.2	-21.7	-17.0	-1.9	0.5	4.6	7.3	7.3	2.3	-6.0	-9.7	-18.7
	year	1942	1940	1888	1929	1953	1928	1948	1894	1889	1920	1884	1927
	day	24 Jan	15 Feb	05 Mar	06 Apr	11 May	03 Jun	11 Jul	22 Aug	27 Sep	30 Oct	27 Nov	22 Dec
Maximum 24-hour precipitation (mm) and the day of occurrence	max.	40.7	55.2	53.6	42.1	67.5	57.5	95.8	118.8	81.6	82.8	63.6	50.9
	year	1877	2014	1917	1931	1921	1986	1989	1926	1987	1932	1925	1868
	day	13 Jan	12 Feb	25 Mar	20 Apr	31 May	15 Jun	04 Jul	09 Aug	28 Sep	04 Oct	12 Nov	27 Dec

Source: Meteorological and Hydrological Service

G 1.1. Average monthly temperature of air in 2019 in the period 2010 – 2019



Source: Meteorological and Hydrological Service

1.5 Monthly and annual meteorological data in the last five years as measured by the Meteorological Observatory Zagreb – Grič

	January	February	March	April	May	June	July	August	September	October	November	December	Year
Average monthly and annual air temperatures, °C													
2010 – 2019	2.9	4.0	9.2	14.1	17.4	22.1	24.1	23.6	18.1	13.0	8.7	4.0	13.5
2015	4.3	3.6	9.0	12.9	18.3	21.6	25.4	24.1	18.3	12.0	9.9	4.8	13.7
2016	3.0	7.4	8.8	13.8	16.7	21.5	24.2	21.8	19.7	11.2	8.0	1.0	13.1
2017	-2.3	6.2	11.8	13.3	18.5	23.5	25.0	24.8	15.9	13.3	8.2	4.9	13.6
2018	6.3	0.9	5.8	17.3	20.4	22.4	23.6	25.0	19.2	15.0	8.8	4.2	14.1
2019	2.3	7.0	11.1	13.6	14.3	24.8	24.1	24.4	18.4	14.8	10.1	5.8	14.2

1.5 Monthly and annual meteorological data in the last five years as measured by the Meteorological Observatory Zagreb – Grič

(Continued)

	January	February	March	April	May	June	July	August	September	October	November	December	Year
Average air pressure, hPa (pressure altitude – 162.5 m)													
2010 – 2019	997.6	997.3	997.2	995.5	994.7	995.7	995.3	996.8	998.0	999.5	997.3	1 001.3	997.2
2015	997.6	997.1	1 000.4	999.5	996.0	998.5	996.4	996.6	997.9	999.6	1 000.7	1 011.4	999.3
2016	997.1	994.5	994.2	993.8	993.8	994.5	996.8	999.7	999.1	1 001.2	998.6	1 010.9	997.9
2017	1 004.3	1 000.8	998.2	997.7	996.9	995.8	995.5	997.7	996.9	1 000.5	997.2	997.7	998.3
2018	998.1	996.3	988.0	996.2	995.0	994.6	994.8	996.8	1 001.0	999.7	1 000.9	1 001.6	996.9
2019	993.8	1 003.9	999.6	994.9	993.2	997.0	994.4	997.4	999.3	998.7	990.3	997.7	996.7
Average Relative Humidity, %													
2010 – 2019	76	72	61	59	63	62	60	61	70	75	79	78	68
2015	78	74	57	54	61	59	58	63	65	81	68	82	67
2016	73	76	66	61	66	65	63	63	65	76	75	77	69
2017	74	70	55	57	58	57	52	56	75	71	74	75	64
2018	77	77	72	56	62	61	62	60	66	71	81	75	68
2019	69	61	55	62	70	61	61	64	69	73	84	76	67
Average monthly and annual cloud coverage (tenths of sky covered)													
2010 – 2019	7.2	7.2	6.0	5.9	6.0	5.1	4.7	4.1	5.5	5.9	7.3	6.5	5.9
2015	7.2	7.0	5.6	5.1	6.3	4.3	3.5	4.0	6.0	7.5	4.5	6.0	5.6
2016	5.7	7.4	7.2	5.7	5.6	5.6	4.6	4.2	3.8	6.5	6.5	5.8	5.7
2017	6.6	6.8	4.1	6.3	5.3	4.4	4.0	3.3	6.8	4.0	7.1	5.9	5.4
2018	7.0	8.5	8.0	4.3	5.6	6.1	4.8	3.4	4.0	5.0	7.6	6.5	5.9
2019	7.4	4.5	4.7	6.3	7.7	3.5	4.9	4.3	5.0	5.0	8.5	6.6	5.7
Absolute maximum air temperatures, °C													
2010 – 2019	16.6	21.6	23.5	29.8	31.8	36.2	37.6	38.8	33.0	25.8	22.5	17.7	38.8
day	11	28	29	29	27	30	8	8	11	13	9	17	8 Aug
year	2016	2019	2012	2012	2011	2012	2011	2013	2011	2014	2015	2019	2013
2015	16.1	11.6	20.0	26.7	30.0	32.1	37.4	35.6	32.4	21.3	22.5	14.6	37.4
day	17	16	26	16	6	12	17	13	11	4	9	20	17 Jul
2016	16.6	17.0	20.6	26.9	29.9	33.0	34.7	32.4	29.6	24.8	19.0	11.8	34.7
day	11	11	31	6	29	24	12	5	12	12	19	11	12 Jul
2017	10.4	16.4	23.2	25.0	30.4	34.4	36.0	37.6	26.7	23.6	17.6	16.7	37.6
day	13	23	29	10	30	23	10	4	11	19	5	12	4 Aug
2018	16.2	12.6	17.3	29.3	31.2	33.3	33.6	34.5	29.7	22.6	20.4	14.4	34.5
day	6	1	13	29	31	12	31	9	12	27	12	4	9 Aug
2019	12.6	21.6	22.9	27.1	27.3	35.5	35.9	34.6	32.7	24.6	20.5	17.7	35.9
day	17	28	7	26	26	27	1	12	1	21	3	17	1 Jul

1.5 Monthly and annual meteorological data in the last five years as measured by the Meteorological Observatory Zagreb – Grič

(Continued)

	January	February	March	April	May	June	July	August	September	October	November	December	Year
Absolute minimum air temperatures, °C													
2010 – 2019	-10.2	-11.6	-3.2	1.4	5.2	8.7	12.2	8.4	6.3	0.3	-3.8	-10.5	-11.6
day	11	9	6	10	4	1	3	31	27	30	21	13	9 Feb
year	2017	2012	2010	2013	2011	2010	2011	2010	2018	2012	2011	2012	2012
2015	-8.0	-7.0	0.7	2.0	8.9	10.8	14.9	14.4	10.4	4.8	1.0	-3.3	-8.0
day	1	8	8	20	1	21	30	1	10	25	29	31	1 Jan
2016	-6.5	0.2	1.2	2.5	6.7	14.0	13.2	11.5	9.4	3.8	-3.0	-5.2	-6.5
day	4	27	15	26	16	3	4	12	23	6	30	31	4 Jan
2017	-10.2	-2.0	1.5	1.4	7.3	11.4	13.2	13.2	8.0	4.5	-1.9	-3.9	-10.2
day	11	15	13	21	10	8	26	22	30	28	28	10	11 Jan
2018	-1.0	-11.4	-10.7	6.4	10.6	10.7	16.4	13.5	6.3	6.3	-2.4	-1.8	-11.4
day	15	28	1	2	16	23	16	26	27	1	30	1	28 Feb
2019	-5.3	-2.9	1.1	5.4	5.6	15.1	14	15.4	8.5	5.2	4.1	-2.9	-5.3
day	26	24	12	13	7	1	11	17	22	8	30	31	26 Jan
Monthly and annual precipitation, mm													
2010 – 2019	55.9	70.9	44.8	53.9	95.8	98.2	71.1	65.3	126.8	82.5	100.1	50.8	916.0
2015	51.2	61.5	22.8	24.4	121.5	64.6	74.4	75.2	95.6	191.7	40.7	0.3	823.9
2016	67.9	119.8	45.4	47.6	101.6	138.5	51.6	48.2	43.2	102.0	85.9	2.1	853.8
2017	31.6	42.8	14.7	47.9	35.6	99.9	53.4	53.7	236.1	69.3	112.8	90.7	888.5
2018	55.7	102.3	72.6	59.5	108.3	66.6	102.1	44.3	54.6	65.6	77.5	17.5	826.6
2019	35.3	16.9	39.5	85.2	123.1	83.9	65.8	54.6	131.6	39.5	181.4	96.0	952.8
Maximum daily precipitation, mm													
2010 – 2019	40.2	55.2	32.2	32.3	44.9	54.3	61.2	43.2	67.0	45.4	37.7	28.0	67
day	15	12	31	1	23	20	18	20	24	22	22	16	24 Sep
year	2013	2014	2013	2018	2015	2016	2010	2015	2019	2014	2015	2017	2010
2015	12.2	15.3	7.8	6.1	44.9	31.0	19.9	43.2	39.8	33.9	37.7	0.3	44.9
day	31	23	26	19	23	24	26	20	25	16	22	10	23 May
2016	15.0	19.5	17.7	12.5	24.8	54.3	21.9	20.0	15.3	24.8	21.7	1.9	54.3
day	3	16	4	28	15	20	17	22	6	3	7	29	20 Jun
2017	27.9	17.8	7.5	14.0	9.4	29.2	24.6	17.4	48.6	30.5	32.6	28.0	48.6
day	14	25	11	29	15	1	26	7	17	23	30	16	17 Sep
2018	15.4	22.5	31.2	32.3	27.4	19.7	15.4	25.8	18.4	44.8	33.4	10.7	44.8
day	2	3	18	1	5	23	4	26	24	29	26	9	29 Oct
2019	12.0	9.4	19.9	23.1	19.0	35.2	25.4	17.3	67.0	19.3	28.9	23.7	67.0
day	19	11	19	9	30	17	29	14	24	3	9	14	24 Sep

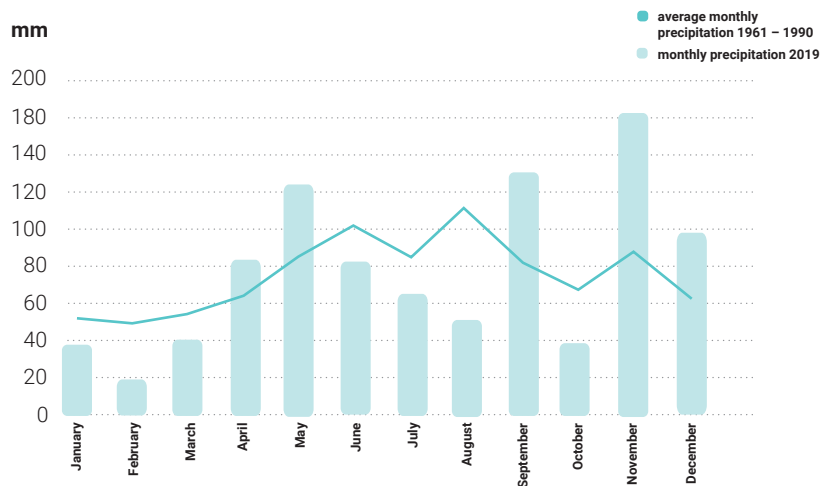
1.5 Monthly and annual meteorological data in the last five years as measured by the Meteorological Observatory Zagreb – Grič

(Continued)

	January	February	March	April	May	June	July	August	September	October	November	December	Year
Sunshine duration, hours													
2010 – 2019	69.2	79.6	154.5	192.4	224.0	265.5	285.4	282.0	176.6	136.0	71.7	77.6	2 014.7
2015	61.5	75.8	161.6	218.0	207.6	286.0	307.5	271.2	161.9	79.5	147.6	92.6	2 070.8
2016	102.8	59.1	113.0	178.3	222.3	240.6	265.8	276.0	221.4	106.0	88.6	90.7	1 964.6
2017	82.6	98.9	207.7	189.7	276.5	296.2	323.7	319.9	115.8	187.1	74.1	103.4	2 275.6
2018	81.8	51.9	90.9	235.5	251.8	218.0	264.8	283.9	221.4	161.3	59.4	66.5	1 987.2
2019	69.0	149.8	187.3	174.5	132.7	313.5	293.2	262.5	190.7	169.4	46.5	67.7	2 056.8
Medium wind speed, Beaufort scale													
2010 – 2019	1.7	1.8	1.9	1.9	1.8	1.7	1.6	1.5	1.5	1.5	1.6	1.6	1.7
2015	1.9	1.8	2.3	2.1	2.0	1.9	1.6	1.5	1.9	1.6	2.0	1.6	1.9
2016	1.8	2.0	2.2	2.1	1.8	1.8	1.6	1.6	1.5	1.5	1.6	1.3	1.7
2017	1.8	2.0	1.9	2.1	2.0	1.8	1.8	1.7	1.7	1.7	1.9	2.0	1.9
2018	1.9	2.1	2.1	2.0	1.9	2.0	1.7	1.5	1.3	1.3	1.4	1.6	1.7
2019	1.8	1.8	2.1	2.0	2.1	1.8	1.7	1.5	1.5	1.7	1.6	1.6	1.8

Source: Meteorological and Hydrological Service

G 1.2. Annual precipitation change in 2019, and 1961 – 1990



Source: Meteorological and Hydrological Service

1.6 Number of days with particular meteorological features in the last five years as measured by the Meteorological Observatory Zagreb – Grič

[illegible]

1.6 Number of days with particular meteorological features in the last five years as measured by the Meteorological Observatory Zagreb – Grič

(Continued)

	Year	January	February	March	April	May	June	July	August	September	October	November	December	Year
Number of days with hail	2015	-	-	-	-	-	-	-	-	-	-	-	-	-
	2016	-	-	-	-	-	-	-	-	-	-	-	-	-
	2017	-	-	-	-	-	-	-	-	1	-	-	-	1
	2018	-	-	-	-	1	-	-	-	-	-	-	-	1
	2019	-	-	-	1	-	1	-	-	-	-	-	-	2
Number of days with gale-force wind (number 8 or more on the Beaufort scale)	2015	2	1	4	2	1	-	3	-	-	-	1	-	14
	2016	-	2	3	-	-	1	1	-	-	-	2	-	9
	2017	2	2	2	1	1	3	1	1	-	1	-	-	14
	2018	-	-	-	-	-	-	-	-	-	-	-	-	-
	2019	-	2	-	-	5	-	1	1	-	-	-	-	9

Source: Meteorological and Hydrological Service

1.7 Frequency of acid rains on weather stations in 2019

	RR _A ¹⁾	N _A ²⁾	N ³⁾ of occurrences of highly acidic rain 3.0 ≤ pH ≤ 4.0	N of occurrences of moderately acidic rain 4.01 ≤ pH ≤ 5.0	N of occurrences of slightly acidic rain 5.01 ≤ pH ≤ 5.6	Share of acid rains in total precipitation, %
Zagreb – Maksimir	1 000.5	107	0	6	22	28
Puntijarka – Medvednica	1 401.0	127	0	15	29	44

¹⁾ RR_A – analysed amount of precipitation, L/m²²⁾ N_A – number of analysed samples³⁾ N – number of acidic precipitation

Source: Meteorological and Hydrological Service

1.8 Monthly and annual Sava water level, Hydrological Station Zagreb¹⁾

	January	February	March	April	May	June	July	August	September	October	November	December	Year
Maximum water level (cm) ²⁾													
2010 – 2019	328	359	307	383	282	257	12	171	468	416	432	385	468
2015	-15	100	140	-75	211	257	-130	-136	-83	416	-71	-215	416
2016	328	250	122	-123	171	8	-162	-150	-226	-22	324	-121	328
2017	-167	84	35	383	5	-57	-120	-225	356	-8	216	385	385
2018	117	-19	266	149	-23	-97	-50	-47	-83	-256	86	-118	266
2019	-135	310	-114	24	282	118	-95	-88	-39	-76	314	357	357
Average water level (cm)													
2010 – 2019	-165	-115	-129	-158	-158	-189	-233	-241	-169	-174	-74	-126	-161
2015	-158	-134	-149	-197	-178	-195	-238	-244	-212	-78	-224	-256	-189
2016	-181	-30	-78	-197	-123	-155	-233	-233	-264	-216	-32	-228	-164
2017	-267	-152	-183	-207	-198	-242	-257	-287	-80	-200	-107	9	-181
2018	-79	-138	-26	-74	-166	-204	-210	-251	-213	-231	-122	-216	-161
2019	-251	-116	-223	-168	-99	-158	-224	-238	-220	-234	4	-44	-164

1.8 Monthly and annual Sava water level, Hydrological Station Zagreb¹⁾

(Continued)

	January	February	March	April	May	June	July	August	September	October	November	December	Year
Minimum water level (cm)³⁾													
2010 – 2019	-290	-286	-280	-282	-259	-287	-295	-307	-296	-295	-278	-284	-307
2015	-220	-209	-216	-247	-254	-255	-271	-274	-269	-249	-266	-284	-284
2016	-284	-245	-222	-244	-219	-232	-261	-262	-289	-295	-244	-277	-295
2017	-290	-280	-253	-273	-250	-287	-295	-307	-296	-291	-266	-200	-307
2018	-223	-231	-223	-202	-242	-258	-262	-286	-274	-282	-263	-267	-286
2019	-287	-256	-264	-275	-228	-253	-283	-285	-279	-288	-277	-189	-288

¹⁾ In 1849, the Hydrological Station Zagreb was founded.

²⁾ Hydrological station Zagreb: topographic point "0" 112.26 m n/m; catchment area 12 450 km².

³⁾ Maximum recorded water level was **514** cm (on 26 October 1964), and minimum was **-338** cm (on 23 August 1993).

Source: Meteorological and Hydrological Service

1.9 Monthly and annual Sava discharge, Hydrological Station Zagreb¹⁾

	January	February	March	April	May	June	July	August	September	October	November	December	Year
Maximum discharge rate (m³/s)²⁾													
2010 – 2019	1 921	2 092	1 810	2 165	1 623	1 565	729	1 207	2 851	2 435	2 484	2 206	2 851
2015	656	969	1 097	494	1 364	1 565	353	339	473	2 435	505	177	2 435
2016	1 921	1 533	1 037	370	1 207	718	280	307	158	637	1 899	375	1 921
2017	275	925	791	2 165	710	547	386	166	2 008	675	1 339	2 178	2 178
2018	1 017	646	1 549	1 108	636	445	565	573	480	1 544	930	391	1 549
2019	349	1 760	401	761	1 623	1 020	450	468	594	498	1 781	2 013	2 013
Average discharge rate (m³/s)													
2010 – 2019	300	434	386	312	305	237	153	146	319	289	537	403	318
2015	296	357	325	215	275	237	142	134	191	542	166	115	250
2016	285	648	500	212	384	305	149	149	104	197	642	161	311
2017	109	324	258	248	221	146	126	84	548	219	441	755	290
2018	495	346	646	507	283	203	193	127	192	175	397	181	312
2019	133	423	172	284	457	314	174	151	182	158	738	600	316
Minimum discharge rate (m³/s)³⁾													
2010 – 2019	80.2	69.2	76.2	73.8	104	83.9	75.5	56.9	63.8	69.2	78.6	75.0	56.9
2015	168	189	175	125	115	114	94.3	90.9	96.6	122	100	80.2	80.2
2016	80.2	128	165	129	170	148	106	105	75.3	69.7	129	87.6	69.7
2017	80.7	91.6	125	99.7	129	83.9	75.5	63.9	74.5	79.6	108	207	63.9
2018	164	150	164	203	131	106	100	69.2	83.6	73.8	98.6	92.9	69.2
2019	80.2	69.2	76.2	73.8	104	83.9	75.5	56.9	63.8	69.2	78.6	75	56.9

¹⁾ In 1849, the Hydrological Station Zagreb was founded.

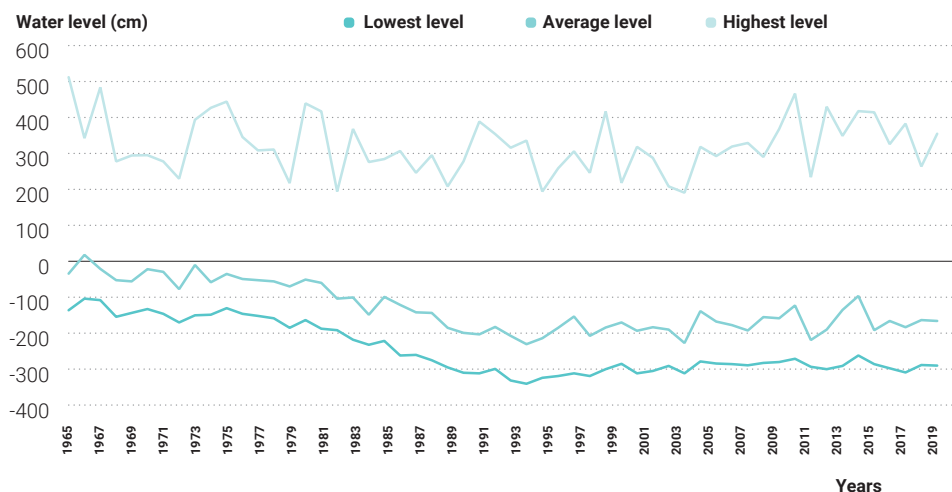
²⁾ Hydrological station Zagreb: topographic point "0" 112.26 m n/m; catchment area 12 450 km².

³⁾ Maximum recorded discharge was **3 126** m³/s (on 26 October 1964), and minimum was **46.5** m³/s (on 23 August 1993).

Source: Meteorological and Hydrological Service

G 1.3 Average annual Sava water level

Hydrological station: Zagreb – Sava / Period: 1965 – 2019



1.10 Earthquakes with epicentres near Zagreb¹⁾ that occurred between 1900 and 2019

	Total number of earthquakes	Strongest earthquake in the year		
		Intensity ²⁾ °MCS/°EMS	Epicentre	Date
1900	12	IV – V	Kašina	19 January
1950	25	V	Pisarovina	1 November
2000	147	V – VI	Kraljev Vrh	16 Jun
2010	493	V	Galgovo	3 November
2011	611	V	Budaševo	17 April
2012	515	IV	Draganići	8 September
2013	816	V	Donja Bistra	25 August
2014	857	V – VI	Zrinska gora	2 October
2015	1 621	VI	Brežice	1 November
2016	1 243	V – VI	Brežice	9 April
2017	810	V – VI	Šmarj pri Jelšah	15 January
2018	815	V	Ozalj	14 Jun
2019	826	V	Lasinjski Sjeničak	24 February

¹⁾ Data refers to the area of about 80 km around Zagreb.

²⁾ Since 2017 EMS applies. Degrees of intensity are the same in MCS, MSK and EMS scales. The difference is in the statistical approach to intensity assessment (MSK and EMS) and in the more precise determination of building types, construction material type and damage.

Source: Faculty of Science, Geophysical Institute

1.11 Fifteen strongest earthquakes with epicentres near Zagreb¹⁾

	Total number of earthquakes	Strongest earthquake in the year		
		Intensity, ²⁾ 'MCS/'EMS	Epicentre	Date
1901	23	VII	Zagreb, Šestine	19 December
1905	89	VII – VIII	Planina, Čučerje	17 December
1906	300	VIII	Planina, Kašina	2 January
1909	47	VIII – IX	Pokuplje	8 October
1916	18	VII	Globoko	18 September
1917	86	VII – VIII	Stojdraga, Brežice	29 January
1926	8	VII	Kašina	12 May
1928	28	VII – VIII	Stojdraga, Brežice	25 August
1938	17	VIII	Bilogora	27 March
1940	22	VII	Kostanjevica	9 March
1953	8	VII	Artiče, Globoko	1 October
1964	19	VII	Bilogora	25 May
1982	31	VII	Ivančica	16 March
1990	259	VII	Kraljev Vrh	3 September
1993	185	VII	Ludbreg	1 June

¹⁾ Data refers to the area of about 80 km around Zagreb.

²⁾ Since 2017 EMS applies. Degrees of intensity are the same in MCS, MSK and EMS scales. The difference is in the statistical approach to intensity assessment (MSK and EMS) and in the more precise determination of building types, construction material type and damage.

Source: Faculty of Science, Geophysical Institute

1.12 Standing water

	Total	Type of standing waters					Area, ha
		Active gravel pits	Abandoned gravel pits	Distributaries of the Sava	Artificial lakes	Pits and other	
2019	141	-	10	3	6	126	264.5

Source: Croatian Water Management Company, Department for water management of the upper reaches of the river Sava

1.13 Watercourses and ameliorative canal network for part of the flood control area no. 14 that includes the area of the City of Zagreb (maintenance programme for 2019)¹⁾

Waterflows	Corresponding surface area, km ²	Length, km	Maintained area, km	Waterflows	Corresponding surface area, km ²	Length, km	Maintained area, km
Total	480.00	498.91	284.74				
Sava River	...	28.70	28.70	Kašina with tributaries	...	55.50	22.20
Podsusedsko Dolje	...	4.10	3.50	Čučerska Reka with tributaries	...	25.80	13.50
Dubravica	...	6.50	4.50	Vuger with tributaries	...	42.20	17.00

1.13 Watercourses and ameliorative canal network for part of the flood control area no. 14 that includes the area of the City of Zagreb (maintenance programme for 2019)¹⁾

(Continued)

Waterflows	Corresponding surface area, km ²	Length, km	Maintained area, km	Waterflows	Corresponding surface area, km ²	Length, km	Maintained area, km
Medpotoki	...	2.70	1.00	Lomnica	...	8.50	8.50
Vrapčak	...	14.60	10.50	Lipnica	...	16.70	6.10
Črnomerec	...	10.00	7.50	Potočki	...	3.20	1.25
Ribnjak	...	1.50	1.00	Trebljenka	...	6.50	1.60
Črna voda	...	4.80	2.80	Ograja	...	4.00	4.00
Kustošak	...	8.50	7.50	Gustelin	...	3.60	3.60
Kuniščak	...	3.90	1.50	Močirad	...	3.75	3.75
Jelenovec I and II	...	4.20	1.20	Skupni Čreti	...	4.76	4.76
Zelengaj	...	1.80	0.50	Bukovica	...	6.00	6.00
Kraljevec I and II	...	2.71	1.80	Kukeljnjak	...	3.20	3.20
Kraljevački Stream	...	3.90	3.50	Maličevac	...	2.50	2.50
Gračanski Stream	...	2.90	2.50	Bačunski Stream	...	1.50	1.50
Fučkov Canal	...	2.20	2.00	Remetski Stream	...	1.00	1.00
Mrzljak	...	5.70	5.00	Barutanski Canal	...	0.50	0.50
Klinovec	...	1.00	0.20	Črnc with tributaries	...	36.30	14.50
Pustodol	...	2.60	1.50	Bielek	...	1.75	0.62
Jesenovec	...	2.20	2.20	Kobiljak	...	2.74	2.24
Srednjak	...	6.50	1.50	Vukov dol	...	4.20	0.47
Dotrščina	...	2.20	0.50	Glavničica with tributaries	...	35.80	14.50
Bliznec	...	16.60	8.60	Branovec	...	7.00	2.50
Štefanovec	...	11.60	8.50	Moravščak	...	7.00	4.50
Dešćevec	...	2.00	1.00	Goranec	...	8.50	4.00
Trnava	...	17.00	11.00	Blaguša	...	8.00	5.00
Bidrovec	...	4.80	1.80	Dobrodol	...	5.00	2.15
Vidovec	...	6.50	2.50	Starča	...	2.00	2.00
Kučilovina	...	2.20	2.00	Goštiraj	...	5.50	3.00
Kuzelinščak	...	2.00	2.00				
Network of canals for land amelioration (basic and detailed) – total		149.45	98.28				
Waters of the 1 st order	...	12.45	11.78				
Waters of the 2 nd order	...	137.00	86.50				

¹⁾ In order to build a flood protection system (Medvednica torrent), 19 dams and retention basins were built in the City of Zagreb, with a retention volume of 2 035 150 m³. All water-retention dams were built within the regular annual maintenance programme.

In the City of Zagreb in 2019 there was a total of 8 062 live births, i.e. 2.1% less than in 2018, while the number of residents of the City of Zagreb increased by 2 747 residents compared to 2018, i.e. an increase of 0.3%.

02

Population



Photo: D. Rostuhar, ZTB

NOTES ON METHODOLOGY

A) CENSUSES

Source and method of data collection

Data on population and households are collected through Censuses that are carried out every ten years, using the uniform methodology for the entire country.

Coverage and comparability

The first reliable data on the population of Zagreb are estimates that were made based on the Housing Censuses and incomplete Censuses. Population estimates pertain to the period until the mid-19th century. After that period, data were derived from conducted Censuses, so in Table 2.2, data are listed with regard to administrative and territorial organization valid as at time of preparing the Census. Data on population and other Census results (regarding households, dwellings) presented in the remaining tables of the Yearbook pertain to the administrative and territorial organization of Zagreb in 1997 and onwards.

Data from the Censuses conducted in 1948, 1953, 1961, 1971, 1981 and 1991 pertain to permanent residents, i.e. persons with permanent residence in the Republic of Croatia, irrespective of their actual presence/absence at the time of the Census and irrespective of the duration of absence from their place of residence.

The concept of the "place of usual residence" was used in the 2001 Census for the first time when defining total population. In addition, the period of one year or more was introduced as a basic criterion for inclusion or exclusion of a person from the total population.

The Census includes persons who are citizens of the Republic of Croatia, foreign citizens and stateless persons who have residence in the Republic of Croatia, regardless of whether they were present in the Republic of Croatia or were staying abroad at the reference date, as well as persons who had a registered temporary residence in the Republic of Croatia at the reference date.

The 2011 Census of Population and Housing

Pursuant to the Act on the Census of Population and Housing from 2011 (OG 92/12), the 2011 Census was conducted in the period between 1 and 28 April 2011, based on data as at 31 March at 24:00 hours, which is considered as the *reference date* of the Census.

The 2011 Census has been adjusted with the international standards to ensure comparability of data. The Conference of European Statisticians Recommendations for the 2010 Censuses of Population and Housing were applied in the process of preparation of the Census. In addition, the 2011 Census complies with the Regulations No. 763/2008 and 1201/2009 of the European Parliament and of the Council regulating population and housing Censuses in the European Union.

Data derived from the 2011 Census cannot be directly compared to the data derived from the 2001 Census or to the data from the previous Censuses because the statistical definition of the total population applied in the 2011 Census differs from the definition applied in the previous Censuses.

When defining total population, the 2011 Census uses the concept of "place of usual residence". In addition, the intention of absence/presence (staying) was introduced for the first time as an additional criterion for inclusion/exclusion of a person from the total population.

Although the data of both 2001 and 2011 Censuses are based on the "place of usual residence" concept, they cannot be directly compared for two reasons. The first reason is collection of data on the intention of absence/presence in 2011, which data were not collected in the 2001 Census. The second reason is the fact that, with regard to total population, the 2001 Census included persons who were absent for longer than a year and who returned to their place of residence on a seasonal or monthly basis (these persons are not included in the total population in the 2011 Census).

Definitions

A household is any family or some other type of community of persons who live together and spend their income on basic existential needs (housing,

food and alike). There are two types of households, i.e. private and institutional. Private households can be divided as follows:

a) Family households – households in which there is at least one (immediate) family, and which can comprise members who are not related to any family in the household.

b) Non-family households – households in which there are no (immediate) families. They are divided into single and multi-member non-family households.

A family is a community living in the same household, and it may include spouses/unmarried partners with no children, spouses/unmarried partners with children, or a single parent with children.

Institutional households include persons whose accommodation and food are provided by an institution. As a rule, these households are established by a legal or natural person for the purpose of long-term housing and care of certain groups of people.

In the 2011 Census, institutional households included educational institutions, health and welfare institutions, retirement or older people's homes, military institutions, religious institutions, and other.

Average number of members per household is the ratio of the number of population and the number of households in a certain area (town/municipality, county, the Republic of Croatia).

B) VITAL STATISTICS

Sources and method of data collection

Vital statistics data are based on the systematic collection of information pertaining to the records of vital events. These data pertain to births, deaths and marriages recorded in the state registers of births, deaths and marriages.

Data on divorces and annulled marriages are based on the registers and case files of competent municipal courts.

Data on births are collected by virtue of the Statistical Report on Births (DEM-1 form), data on deaths are collected by virtue of the Statistical

Report on Deaths (DEM-2 form), data on marriages are collected by virtue of the Statistical Report on Marriages (DEM-3 form), while the data on divorces and annulled marriages are collected by virtue of the Statistical Report on Divorces (RB-1 form).

Coverage and comparability

Vital statistics data are collected and processed in accordance with the definition given in the UN and Eurostat recommendations, ESA and SNA. When comparing data on stillborn children, it is necessary to keep in mind that the definition of a stillborn child has changed.

Estimates on total population in 2011 were calculated based on data specified in the 2011 Census, as well as based on natural population change and net migration.

Definitions

A live-born child (live birth) is every child who exhibits signs of life at birth, such as breathing, beating of the heart, pulsation of the umbilical cord, or definite movements of voluntary muscles. If a child dies soon after the birth, it is first registered as a live-born child and then as a dead infant.

A stillborn child (stillbirth) is every child that, after a complete expulsion or extraction from its mother, does not show any evidence of life, that is, who neither breathes nor shows any other evidence of life, provided that the pregnancy lasts for 22 weeks or longer and that the child weighs 500 grams or more at birth. Extraction of a dead foetus with less than 22 weeks gestation and with weight of 499 grams or less is considered an abortion, irrespective of whether it was spontaneous or induced termination of pregnancy. It is not registered in the state registers, neither are such data included in the total number of stillborn children.

A legitimate child is every child born in marriage or within 300 days after the end of marriage.

In establishing a **birth order of a child**, all children are taken into account (both live births and stillbirths).

Natural increase is the difference between the number of live births and the number of deaths in a given period.

Vital index is the ratio of births and deaths, i.e. the number of live births per 100 deaths.

A dead person (death) is every live-born person in which there is permanent disappearance of all evidence of life.

Infant death is death of a child younger than one year of age.

Cause of death, according to the definition of the World Health Organisation, is the disease or injury which initiated the train of morbid events leading directly to death, or the circumstances of the accident or violence which produced fatal injury.

Violent death is any death that does not occur under natural circumstances (illness, old age), but which is caused by injuries or poisoning, that is, death defined to be caused by an accident, suicide or homicide, as well as death by wounding in war.

Accident is every violent death caused by accidental injuries or poisoning.

Suicide is a violent death resulting from injuries or poisoning, which the person consciously and intentionally commits.

Homicide is defined as an illegal destruction of other person's life, i.e. violent death from injuries or poisoning deliberately inflicted on a person by another person.

Marriage is a legal process through which people become husband and wife.

Divorce is a final dissolution of a marriage by a valid decision issued by the competent municipal court.

C) MIGRATION OF POPULATION

Source of data

Studies on internal and international migration of population of the Republic of Croatia are conducted based on the data collected by the Ministry of Interior. The legal obligation to register and unregister the place of residence is governed by the Residence Act (OG 144/12 and 158/13). The Foreigners Act (OG 130/11, 74/13, 69/17 and 46/18) stipulates the conditions of entering, movement and stay of foreigners in the Republic of Croatia.

Coverage and comparability

Since 2011, statistical data on international migration have been processed using the new methodology based on the UN Recommendations on Statistics of International Migration, as well as the Regulation (EC) No. 862/2007 of the European Parliament and of the Council of 11 July 2007 on Community statistics on migration and international protection.

Statistical definition of an international migrant is based on the concept of the place of usual residence. According to this concept, foreign immigrants and emigrants are considered to be persons who changed their usual place of residence for a period that lasts, or is expected to last, at least one year.

Definitions

Migration is the spatial mobility of people.

A migrant is a person who changes his or her place of residence (immigrant, emigrant).

Immigrated or emigrated population is the population who changed their place of usual residence within the territory of the Republic of Croatia or who changed their country of usual residence for a period that lasts, or is expected to last, at least one year.

Net migration of population (migration balance) is the difference between the number of immigrants and emigrants in a particular area or country during a given period of time. When the number of immigrants is larger than the number of emigrants, a positive net migration rate occurs, i.e. increase of population. On the other hand, a negative net migration rate means that there are more emigrants than immigrants, i.e. there is a decrease in the population within a relevant area or country.

2.1 Population of the City of Zagreb from the earliest times

1368	2 810 inhabitants (according to the housing census)
1742	5 600 inhabitants (according to the housing census by the canon Pepelko)
1805	7 706 inhabitants (population census without clergy and nobility)
1850	16 036 inhabitants

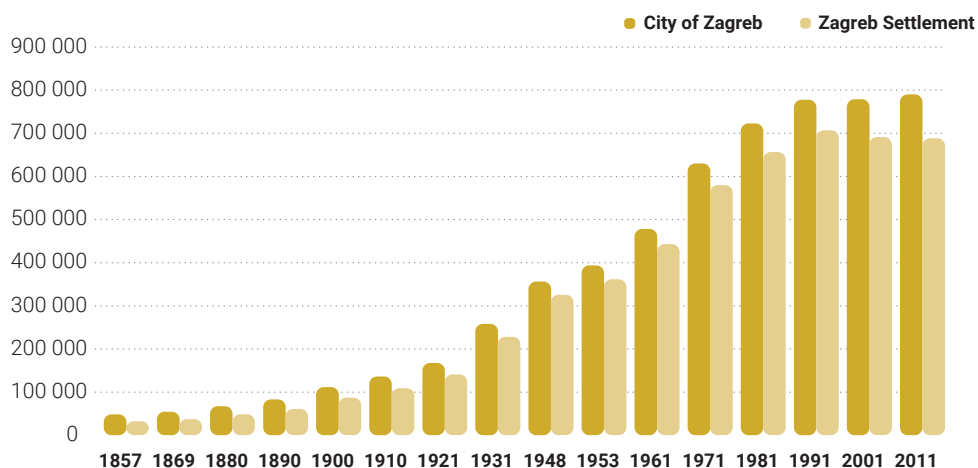
2.2 Population and households according to Censuses¹⁾

	Population			Number of households	Surface area, km ²
	Total	Men	Women		
1857	16 657	...	...	...	...
1869	19 857	9 724	10 133	...	...
1880	30 830	16 591	14 239	...	...
1890	40 268	20 816	19 452	...	3.33
1900	61 002	30 976	30 026	...	64.37
1910	79 038	39 737	39 301	...	64.37
1921	108 674	55 016	53 658	...	64.37
1931	185 581	92 105	93 476	44 231	64.37
1948	279 623	129 669	149 954	109 800	74.99
1953	350 829	162 721	188 108	126 679	235.74
1961	430 802	201 195	229 607	156 580	495.60
1971	602 205	285 530	316 675	213 628	497.95
1981	768 700	361 513	407 187	265 521	1 261.54
1991	933 914	441 120	491 794	319 997	1 715.55
2001 ²⁾	779 145	363 992	415 153	275 464	641.36
2011 ²⁾	790 017	369 339	420 678	303 441	641.32

¹⁾ Data is presented according to the administrative and territorial division valid at the time when the Census was carried out.

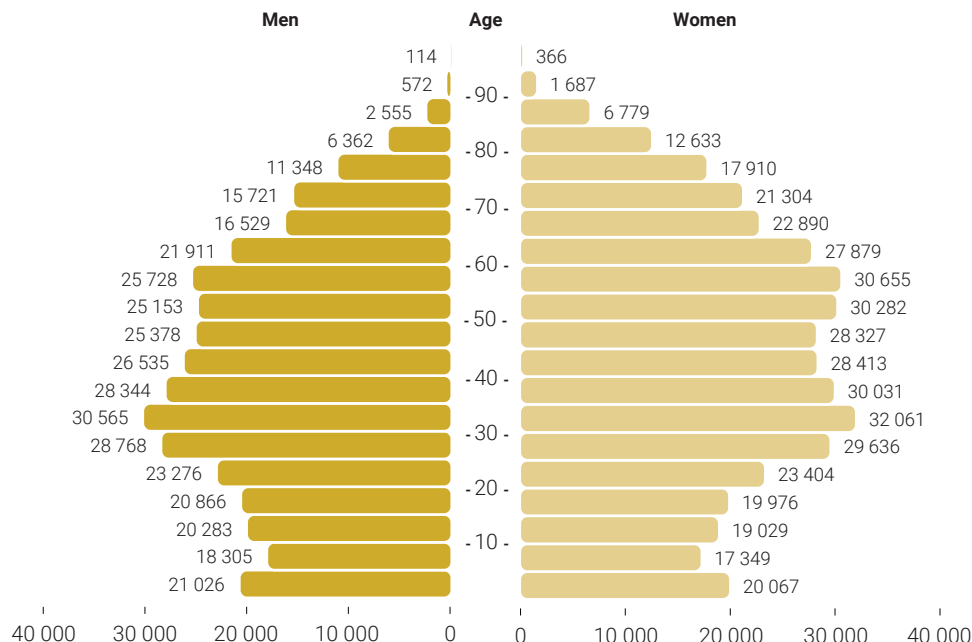
²⁾ End of a series of Censuses, see Notes on Methodology.

G 2.1. Population of the City of Zagreb and Zagreb Settlement from 1857 to 2011 according to the current territory defined on 30 January 1997



Source: COSPDC - Department of Statistical and Analytical Affairs

G 2.2 Population of the City of Zagreba by sex and age, 2011 Census



Source: COSPDC - Department of Statistical and Analytical Affairs

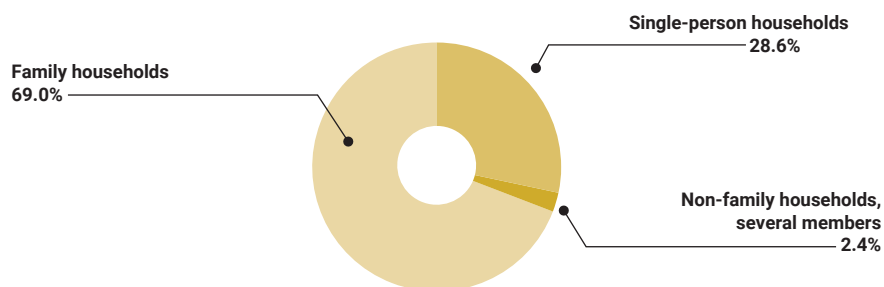
2.3 Population of the City of Zagreb and Zagreb Settlement according to the Censuses carried out between 1857 and 2011¹⁾

	City of Zagreb			Zagreb Settlement		
	Population	Population per km ²	Chain indices	Population	Population per km ²	Chain indices
1857	48 266	75	-	32 203	105	-
1869	54 761	85	113.5	37 001	120	114.9
1880	67 188	105	122.7	48 136	156	130.1
1890	82 848	129	123.3	60 910	198	126.5
1900	111 565	174	134.7	87 239	283	143.2
1910	136 351	213	122.2	109 029	354	125.0
1921	167 765	262	123.0	140 815	458	129.2
1931	258 024	402	153.8	227 838	740	161.8
1948	356 529	556	138.2	325 223	1 057	142.7
1953	393 919	614	110.5	361 564	1 175	111.2
1961	478 076	745	121.4	442 768	1 439	122.5
1971	629 896	982	131.8	579 899	1 884	131.0
1981	723 065	1 127	114.8	656 325	2 133	113.2
1991	777 826	1 213	107.6	706 770	2 296	107.7
2001 ²⁾	779 145	1 215	100.2	690 953	2 258	97.8
2011 ²⁾	790 017	1 232	101.4	688 163	2 249	99.6

¹⁾ Data from the Censuses is compiled according to the administrative and territorial division pursuant to the Act on the Territories of Counties, Towns and Municipalities in the Republic of Croatia (Official Gazette 10/97).

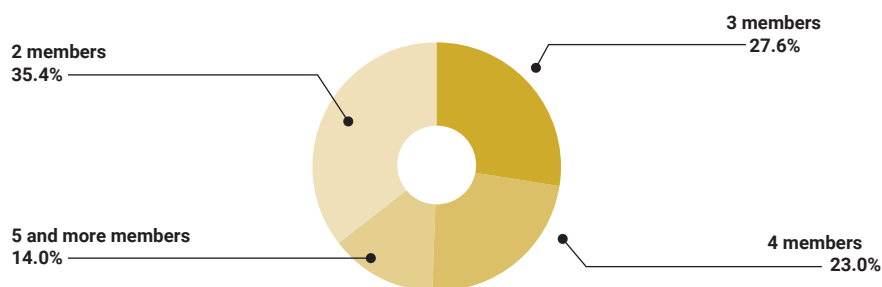
²⁾ See Notes on Methodology.

G 2.3 Private households by household structure, 2011 Census



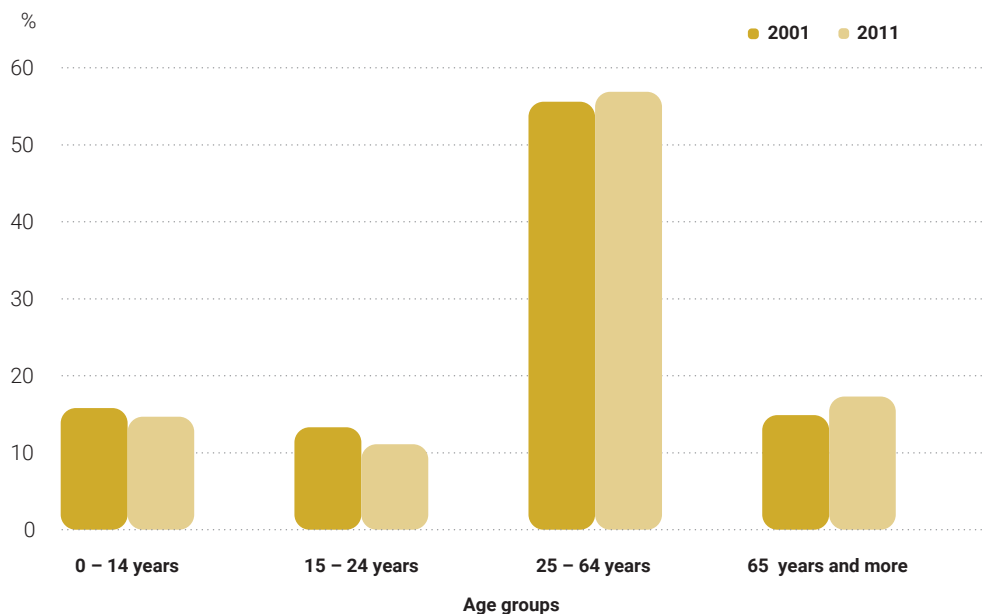
Source: COSPDC – Department of Statistical and Analytical Affairs

G 2.4 Family households by number of members, 2011 Census



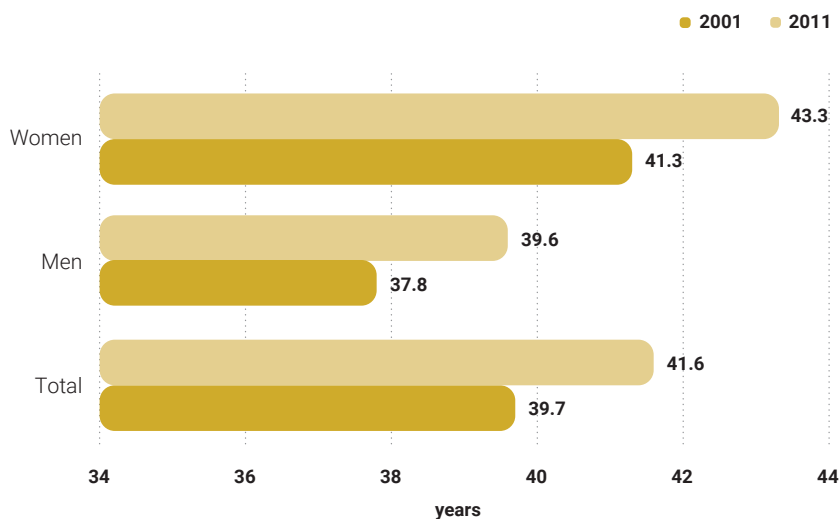
Source: COSPDC – Department of Statistical and Analytical Affairs

G 2.5 Age structure of citizens of the City of Zagreb according to 2001 and 2011 Censuses



Source: COSPDC - Department of Statistical and Analytical Affairs

G 2.6 Average age of citizens of the City of Zagreb according to 2001 and 2011 Censuses

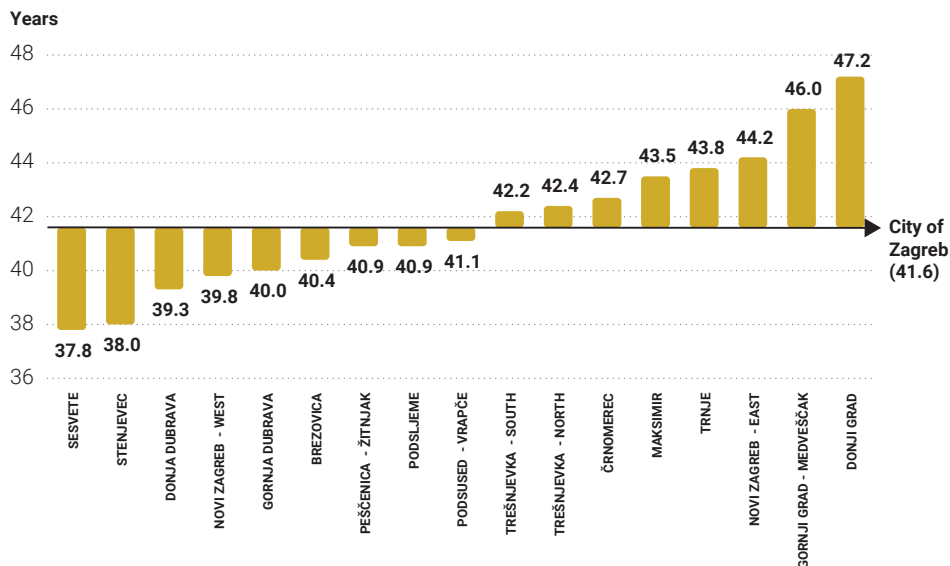


Source: COSPDC - Department of Statistical and Analytical Affairs

2.4 Population subgroups, 2011 Census

	Population			Share, %		
	Total	Men	Women	Total	Men	Women
Total	790 017	369 339	420 678	100.0	100.0	100.0
0 – 6 years	56 048	28 699	27 349	7.1	7.8	6.5
0 – 14	116 059	59 614	56 445	14.7	16.1	13.4
0 – 17	140 060	71 920	68 140	17.7	19.5	16.2
0 – 19 years	156 901	80 480	76 421	19.9	21.8	18.2
Women of reproductive age						
total: 15 – 49 years	-	-	191 848	-	-	45.6
of which: 20 – 29 years	-	-	53 040	-	-	12.6
Working-age population (15 – 64 years)	537 188	256 524	280 664	68.0	69.5	66.7
60 years and more	186 560	75 112	111 448	23.6	20.3	26.5
65 years and more	136 770	53 201	83 569	17.3	14.4	19.9
75 years and more	60 326	20 951	39 375	7.6	5.7	9.4
Average age	41.6	39.6	43.3	-	-	-
Aging index	118.9	93.3	145.8	-	-	-
Age coefficient	23.6	20.3	26.5	-	-	-

G 2.7 Average age of population in city districts – rank, 2011 Census



Source: COSPDC – Department of Statistical and Analytical Affairs

2.5 Population aged 15 and over by level of education and sex, 2011 Census

	Population			Structure, %		
	Total	Men	Women	Total	Men	Women
Ukupno	673 958	309 725	364 233	100.0	100.0	100.0
No schooling	4 926	1 050	3 876	0.7	0.4	1.1
1 – 3 grades of primary school	2 285	373	1 912	0.3	0.1	0.5
4 – 7 grades of primary school	26 094	5 608	20 486	3.9	1.8	5.6
Primary school (8 grades)	91 587	35 674	55 913	13.6	11.5	15.4
Secondary schools – total	352 791	177 538	175 253	52.3	57.3	48.1
Vocational schools for education of craftsmen and industrial professionals, vocational schools lasting for 1 – 3 years, and schools for skilled or highly skilled workers	144 383	88 208	56 175	21.4	28.5	15.4
Technical secondary schools and related vocational schools, vocational schools lasting for 4 or more years	150 277	67 796	82 481	22.3	21.9	22.6
Grammar schools	58 131	21 534	36 597	8.6	6.9	10.1
Higher education – total	195 326	89 147	106 179	29.0	28.8	29.1
Professional study programmes ¹⁾	48 015	21 718	26 297	7.1	7.0	7.2
University study programmes ²⁾	140 379	63 432	76 947	20.9	20.5	21.1
Doctor of Science degrees	6 932	3 997	2 935	1.0	1.3	0.8
Unknown	949	335	614	0.2	0.1	0.2

¹⁾ All higher education institutions, i. (VI.) level of studies at faculties, and professional studies according to the Bologna Process have been included.

²⁾ Data includes all faculties, art academies, all university study programmes according to the Bologna Process, and scientific, professional and art study programmes for obtaining a Master's Degree.

2.6 Population aged 15 and over by legal marital status and sex, 2011 Census

	Population		Structure, %	
	Men	Women	Men	Women
Total	309 725	364 233	100.0	100.0
Marital status				
Unmarried	110 798	103 208	35.8	28.3
Married	174 365	177 312	56.3	48.7
Widower/widow	10 148	56 657	3.3	15.6
Divorced	13 814	26 144	4.4	7.2
Unknown	600	912	0.2	0.2

2.7 Population aged 15 and over by type of union that persons live in and their sex, 2011 Census

	Population		Structure, %	
	Men	Women	Men	Women
Total	309 725	364 233	100.0	100.0
Not married / not in a civil union / not in a same-sex union	131 213	185 725	42.3	51.0
Marriage	165 924	165 924	53.6	45.5
Civil union and same-sex union	12 588	12 584	4.1	3.5

2.8 Female population aged 15 and over by number of live births, 2011 Census

	Total	Women who have not given birth	Women who have given birth by number of live-born children					Unknown
			Total	One	Two	Three	Four and more	
Number of women	364 233	116 263	242 617	86 341	117 299	27 663	11 314	5 353
Share, %	100.0	31.9	66.6	23.7	32.2	7.6	3.1	1.5

2.9 Population by citizenship, 2011 Census

	Total	Croatian citizenship		Foreign citizenship	Without citizenship	Unknown citizenship
		Total	Croatian and other			
Population	790 017	784 415	15 586	4 871	135	596
Share, %	100.00	99.29	1.97	0.62	0.02	0.08

2.10 Population by nationality, 2011 Census

	Population	Share, %
Total	790 017	100.00
Croats	735 824	93.14
National minorities ¹⁾ – total	41 550	5.26
Albanians	4 292	0.54
Austrians	104	0.01
Bosnians	8 119	1.03
Bulgarians	120	0.02
Montenegrins	1 191	0.15
Czechs	835	0.11
Hungarians	825	0.10
Macedonians	1 194	0.15
Germans	364	0.05
Polish	166	0.02
Roma	2 755	0.35
Romanians	94	0.01
Russians	331	0.04
Rusyns	134	0.02
Slovaks	207	0.03
Slovenians	2 132	0.27
Serbs	17 526	2.22
Italians	399	0.05
Turks	106	0.01
Ukrainians	332	0.04
Vlachs	7	0.00 ²⁾
Jews	317	0.04
Other	2 368	0.30
Regional affiliation	214	0.03
Declared religious affiliation	1 953	0.25
Unclassified	291	0.04
Undeclared	6 135	0.78
Unknown	1 682	0.21

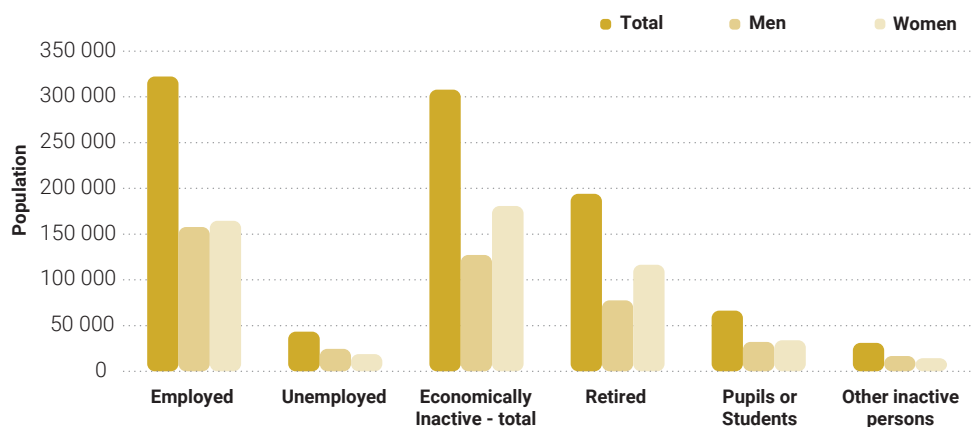
¹⁾ According to the Constitutional Act on Human Rights and Freedoms and the Rights of Ethnic and National Communities or Minorities in the Republic of Croatia (Official Gazette 105/2000).

²⁾ Data comprises less than 0.005% of total share in population.

2.11 Population by religion, 2011 Census

	Total	Catholics	Orthodox	Protestants	Other Christians	Muslims	Jews	Eastern religions	Other religions movements and beliefs	Agnostics and sceptics	Non-believers and atheists	Undeclared	Unknown
Population	790 017	656 571	15 960	2 553	3 070	18 044	327	1 084	1 055	11 800	49 784	27 290	2 479
Share, %	100.00	83.11	2.02	0.32	0.39	2.28	0.04	0.14	0.13	1.49	6.30	3.45	0.31

G 2.8 Population aged 15 and over by activity and sex, 2011 Census



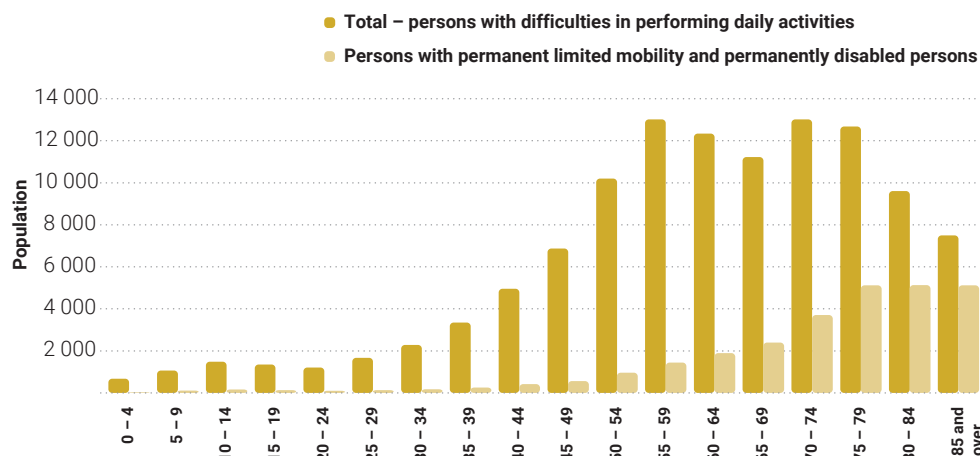
Source: COSPDC - Department of Statistical and Analytical Affairs

2.12 Population by main sources of livelihood and sex, 2011 Census

	Population			Share, %		
	Total	Men	Women	Total	Men	Women
Total¹⁾	790 017	369 339	420 678	100.0	100.0	100.0
Source of livelihood						
Income from permanent employment	311 076	152 684	158 392	39.4	41.3	37.7
Income from contingent employment	19 196	10 633	8 563	2.4	2.9	2.0
Income from agriculture	957	586	371	0.1	0.2	0.1
Old-age pension	130 085	52 240	77 845	16.5	14.1	18.5
Other pensions	69 152	27 561	41 591	8.8	7.5	9.9
Property income	4 227	2 195	2 032	0.5	0.6	0.5
Social benefits	20 045	8 444	11 601	2.5	2.3	2.8
Other income	17 189	8 292	8 897	2.2	2.2	2.1
Occasional support from others	14 521	6 979	7 542	1.8	1.9	1.8
No income	224 410	109 362	115 048	28.4	29.6	27.3
Unknown	514	275	239	0.1	0.1	0.1

¹⁾ The sum of the data in the columns is larger than the data in the column "Total" (total population) because persons may have provided two answers (two different incomes) and such persons are therefore represented in two columns.

G 2.9 Population with difficulties in performing daily activities by age, 2011 Census



Source: COSPDC - Department of Statistical and Analytical Affairs

2.13 Private households by household structure, 2011 Census

	Number of households	Number of persons	Average number of members in the household	Household share, %
Private households – total	303 441	781 272	2.57	100.0
Family households	209 430	679 186	3.24	69.0
Non-family households	94 011	102 086	1.09	31.0
Single-person households	86 827	86 827	1.00	28.6
Households consisting of several members	7 184	15 259	2.12	2.4

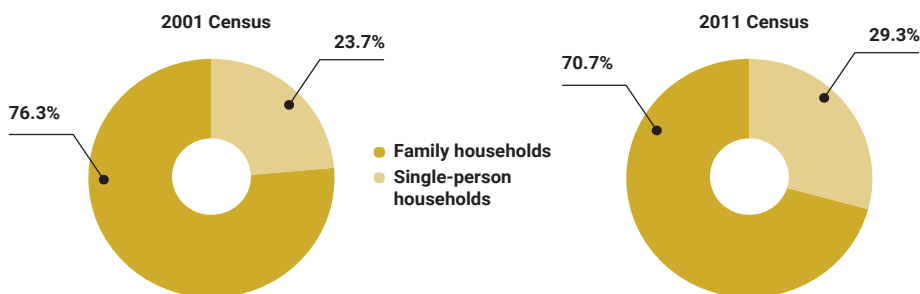
2.14 Family households by number of members, 2011 Census

	Total	Family households									
		2 members	3 members	4 members	5 members	6 members	7 members	8 members	9 members	10 members	11 and more members
Number of households	209 430	74 165	57 918	48 179	18 364	6 671	2 416	906	401	177	233
Number of persons	679 186	148 330	173 754	192 716	91 820	40 026	16 912	7 248	3 609	1 770	3 001
Household share, %	100.0	35.4	27.6	23.0	8.8	3.2	1.2	0.4	0.2	0.1	0.1

2.15 Families by structure and number of members, 2011 Census

	Total	Couples without children	Unmarried couples without children	Families with children				
				Total	Married couples with children	Unmarried couple with children	Mothers with children	Fathers with children
Number of families	221 875	55 020	7 766	159 089	110 769	4 766	37 162	6 392
Number of family members	656 213	110 040	15 532	530 641	412 508	16 831	86 547	14 755
Average number of members	2.96	2	2	3.34	3.72	3.53	2.33	2.31
Share of the number of families, %	100.0	24.8	3.5	71.7	49.9	2.1	16.8	2.9

G 2.10 Family and single-person households according to the 2001 and 2011 Censuses



Source: COSPDC - Department of Statistical and Analytical Affairs

2.16 Families with children by family structure and number of children by age, 2011 Census

	Families with children				
	Total	Married couples with children	Unmarried couples with children	Mothers with children	Fathers with children
Number of families	159 089	110 769	4 766	37 162	6 392
Families by number of children:					
One child	84 821	50 077	2 975	27 037	4 732
Two children	57 065	45 879	1 315	8 465	1 406
Three children	13 417	11 523	331	1 351	212
Four children	2 770	2 412	89	238	31
Five and more children	1 016	878	56	71	11
Number of children – total	256 017	190 970	7 299	49 385	8 363
Children by age:					
0 – 5 years	48 434	40 495	2 666	4 666	607
6 – 9 years	28 024	23 153	1 051	3 429	391
10 – 14 years	38 972	31 752	1 154	5 409	657
15 – 17 years	23 527	18 611	567	3 766	583
18 – 24 years	51 528	39 017	1 061	9 566	1 884
25 years and more	65 532	37 942	800	22 549	4 241

2.17 Population by sex, household structure, and family status, 2011 Census

	Population			Share, %		
	Total	Men	Women	Total	Men	Women
Total	790 017	369 339	420 678	100.0	100.0	100.0
Persons in private households by family status – total	781 272	366 177	415 095	98.9	99.1	98.7
Child	256 017	137 701	118 316	32.4	37.3	28.1
Husband/wife	331 578	165 789	165 789	42.0	44.9	39.4
Partner	25 064	12 532	12 532	3.2	3.4	3.0
Mother with children	37 162	-	37 162	4.7	-	8.8
Father with children	6 392	6 392	-	0.8	1.7	-
Single person (single-person household)	86 827	31 480	55 347	11.0	8.5	13.2
Other (unrelated members)	38 232	12 283	25 949	4.8	3.3	6.2
People in institutional households – total	8 745	3 162	5 583	1.1	0.9	1.3
Institutions for retired or elderly people	4 595	1 122	3 473	0.6	0.3	0.8
Health and care institutions	1 221	664	557	0.1	0.2	0.1
Religious institutions	1 495	420	1 075	0.2	0.1	0.3
Other institutions	1 434	956	478	0.2	0.3	0.1

2.18 Institutional households by number of members, 2011 Census

	Total	Number of members in institutional households										
		Less than 10	10 – 19	20 – 29	30 – 39	40 – 49	50 – 99	100 – 149	150 – 199	200 – 249	250 – 299	300 and more
Number of households	215	55	59	35	22	11	14	2	4	3	5	5
Number of persons	8 745	305	779	807	735	477	959	220	707	716	1 331	1 709

2.19 Households¹⁾ by use and ownership of dwellings, 2011 Census

	Total	Basis on which the dwelling is used					
		Owner-ship or co-owner-ship	Freely determined rent	Users related to the owner or the lessor	Protected rent	Rental of a part of the dwelling (tenant)	Other
Total							
Number of households	303 191	260 947	14 999	15 369	6 617	3 327	1 932
Number of household members	780 957	677 599	32 673	41 215	17 313	7 588	4 569
In dwellings owned by natural persons							
Number of households	295 024	260 947	13 238	15 252	1 571	3 096	920
Number of household members	758 756	677 599	27 903	40 945	3 388	7 006	1 915
In dwellings owned by legal persons							
Number of households	8 167	-	1 761	117	5 046	231	1 012
Number of household members	22 201	-	4 770	270	13 925	582	2 654

¹⁾ Besides private households, data includes institutional households that occupy dwellings.

2.20 Private households by ownership of personal computers and Internet use, 2011 Census

	Total	Household owns a personal computer (desktop or laptop)			Household uses the Internet		
		Yes	No	Unknown	Yes	No	Unknown
Total	303 441	200 929	97 677	4 835	189 422	108 636	5 383

VITAL STATISTICS

2.21 Population by sex, mid-year estimate

2012=100

	Total	Men	Women	Indices		
				total	men	women
2012	793 057	370 733	422 324	100.0	100.0	100.0
2013	795 505	371 945	423 560	100.3	100.3	100.3
2014	798 424	373 353	425 071	100.7	100.7	100.7
2015	799 565	374 004	425 561	100.8	100.9	100.8
2016	802 338	375 397	426 941	101.2	101.3	101.1
2017	802 762	375 616	427 146	101.2	101.3	101.1
2018	804 507	377 427	427 080	101.4	101.8	101.1
2019	807 254	380 359	426 895	101.8	102.6	101.1

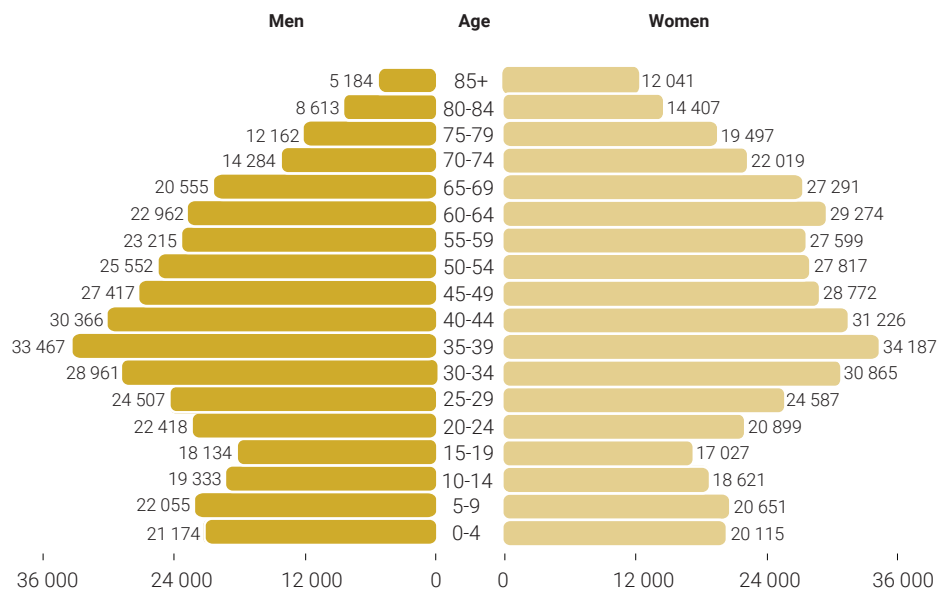
Source: Central Bureau of Statistics; processing: COSPDC – Department of Statistical and Analytical Affairs

2.22 Population by sex and age, mid-year estimate

Age groups	2015		2016		2017		2018		2019	
	Total	Women	Total	Women	Total	Women	Total	Women	Total	Women
Total	799 565	425 561	802 338	426 941	802 762	427 146	804 507	427 080	807 254	426 895
0–4	42 949	20 736	42 334	20 511	41 744	20 260	41 503	20 260	41 289	20 115
5–9	40 124	19 681	41 431	20 274	42 574	20 795	42 611	20 647	42 706	20 651
10–14	35 241	17 064	35 504	17 295	35 803	17 449	37 037	18 067	37 954	18 621
15–19	40 381	19 643	39 039	18 944	37 295	18 106	35 808	17 363	35 161	17 027
20–24	43 116	21 316	42 746	21 040	43 123	21 217	43 401	21 187	43 317	20 899
25–29	52 478	27 100	52 264	26 838	51 095	26 154	50 014	25 481	49 094	24 587
30–34	64 703	33 124	63 812	32 844	62 124	32 162	60 989	31 562	59 826	30 865
35–39	63 370	32 294	65 035	33 196	66 238	33 803	66 945	34 021	67 654	34 187
40–44	57 743	29 712	58 665	30 184	59 047	30 326	59 965	30 562	61 592	31 226
45–49	54 431	28 360	54 060	28 095	54 384	28 203	55 278	28 653	56 189	28 772
50–54	52 098	27 882	52 410	27 813	52 644	27 731	52 902	27 704	53 369	27 817
55–59	54 001	29 862	52 871	29 257	52 166	28 886	51 670	28 350	50 814	27 599
60–64	52 713	29 239	53 114	29 522	53 287	29 648	52 331	29 237	52 236	29 274
65–69	43 097	25 051	45 776	26 419	46 277	26 615	47 715	27 325	47 846	27 291
70–74	35 978	21 492	34 889	21 076	35 181	21 316	35 154	21 309	36 303	22 019
75–79	31 058	18 688	31 098	18 728	31 310	18 919	31 686	19 281	31 659	19 497
80–84	21 344	13 841	21 739	13 877	22 299	14 152	22 735	14 317	23 020	14 407
85+	14 740	10 476	15 551	11 028	16 171	11 404	16 763	11 754	17 225	12 041

Source: Central Bureau of Statistics; processing: COSPDC – Department of Statistical and Analytical Affairs

G 2.11 Assessment of population according to sex and age group mid-2019

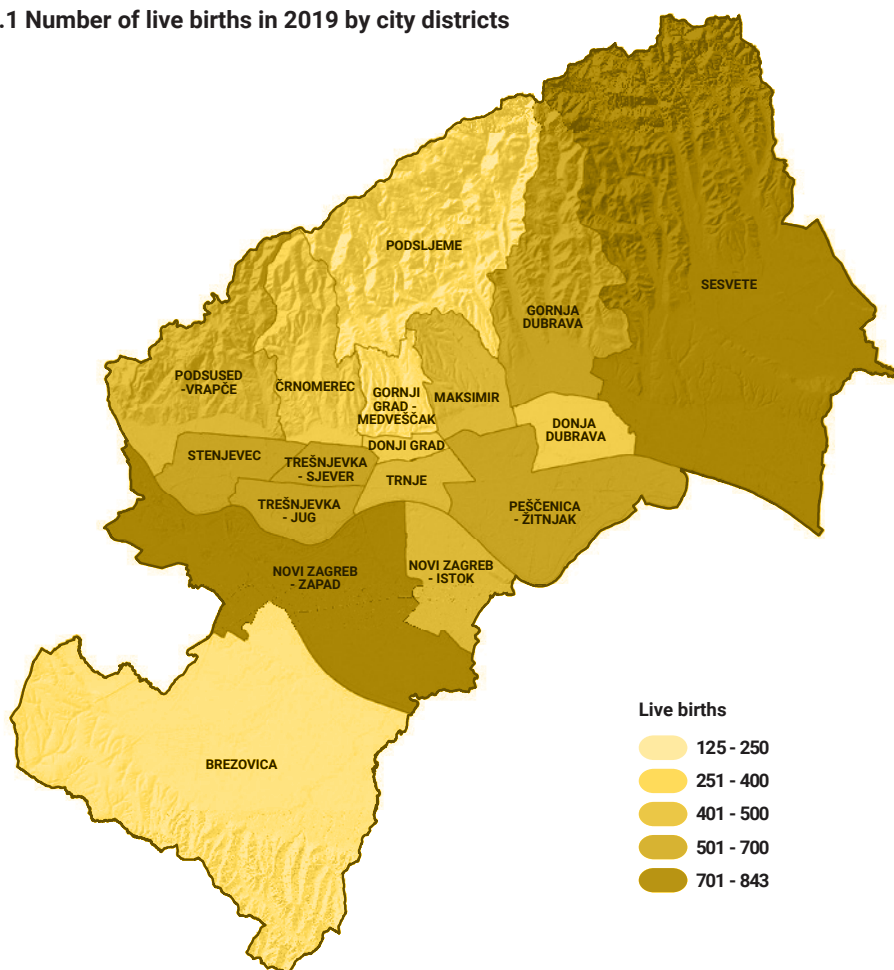


2.23 Natural change in population

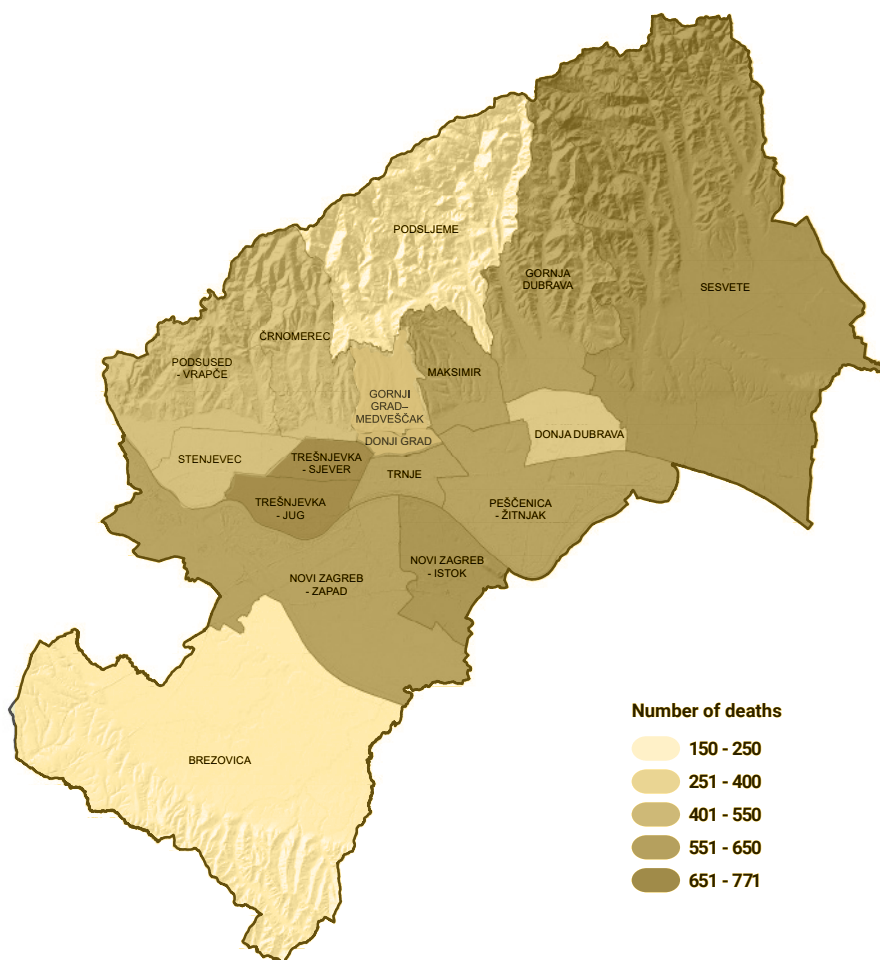
	Live births	Still-births	Stillbirths per 1,000 live births	Number of deaths		Infant mortality per 1,000 live- births	Natural population increase/decrease	Marriages		
				Total	Of which infants			Concluded	Divorces	Divorces per 1,000 concluded marriages
2015	8 039	37	4.6	8 821	26	3.2	-782	3 737	1 428	382.1
2016	8 120	38	4.7	8 528	29	3.6	-408	3 806	1 682	441.9
2017	8 076	31	3.8	8 826	30	3.7	-750	3 899	1 298	332.9
2018	8 235	34	4.1	9 036	34	4.1	-801	3 886	1 372	353.1
2019	8 062	27	3.3	8 865	22	2.7	-803	3 808	1 430	375.5

Source: Central Bureau of Statistics; processing: COSPDC – Department of Statistical and Analytical Affairs

K 2.1 Number of live births in 2019 by city districts



K 2.2 Number of deaths in 2019 by city districts

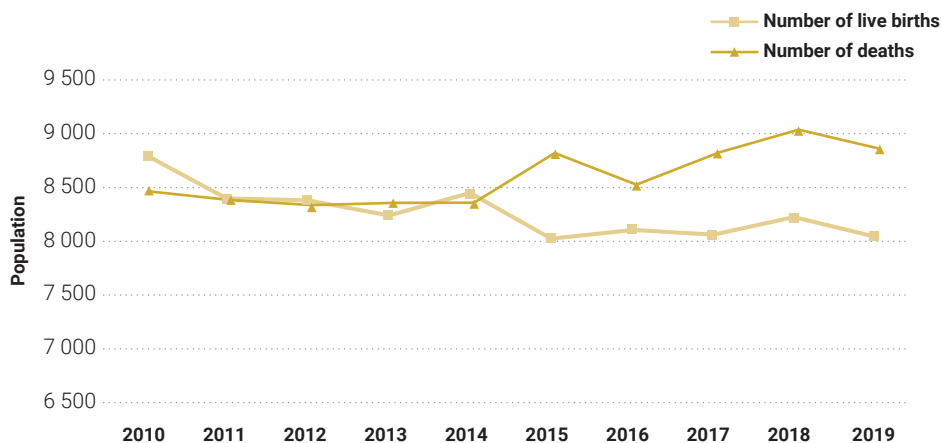


2.24 Rate of natural change in population

	Per 1 000 inhabitants				
	Live births	Deaths	Natural population increase/decrease	Concluded marriages	Divorces
2015	10.1	11.0	-0.9	4.7	1.8
2016	10.1	10.6	-0.5	4.7	2.1
2017	10.1	11.0	-0.9	4.9	1.6
2018	10.2	11.2	-1.0	4.8	1.7
2019	10.0	11.0	-1.0	4.7	1.8

Source: COSPDC – Department of Statistical and Analytical Affairs

G 2.12 Natural change in population

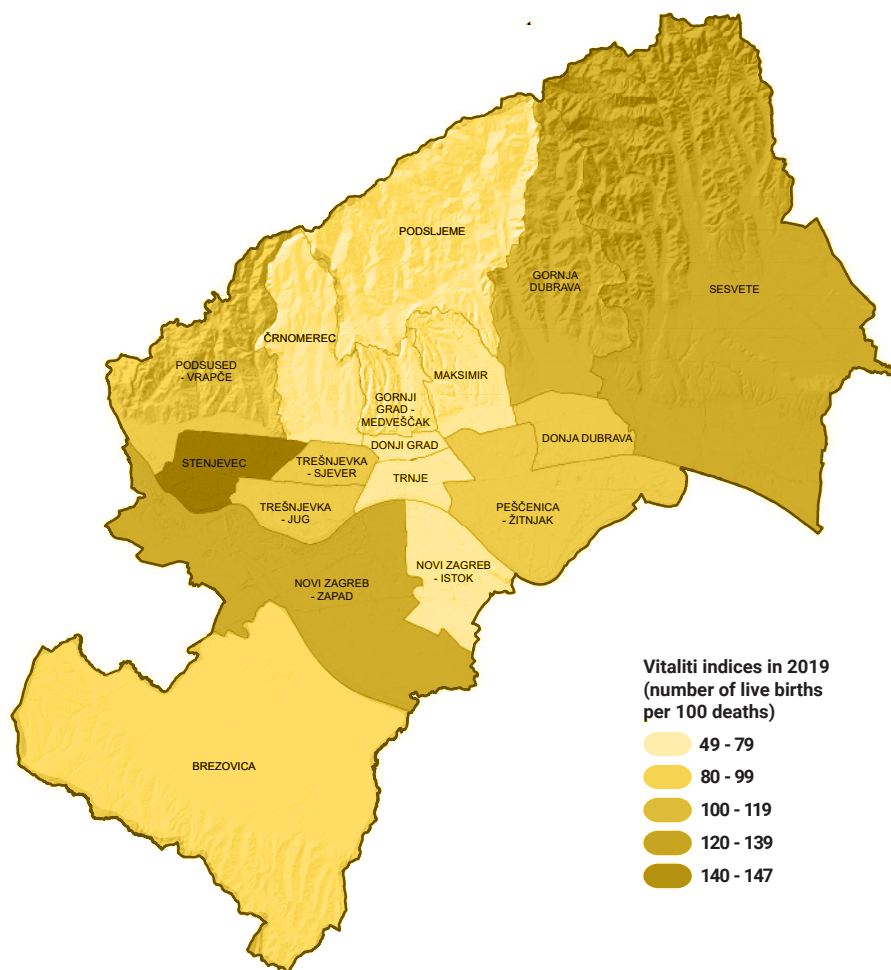


2.25 Live births and stillbirths by sex, marital status of parents, place of birth, and professional assistance

	Total	Sex		Marital status		Place of birth and professional assistance		
		Male	Female	Married	Un-married	In a health- care institution	Other places of birth	
							With professional assistance	Without professional assistance
Live births								
2015	8 039	4 169	3 870	6 668	1 371	8 037	1	1
2016	8 120	4 110	4 010	6 665	1 455	8 114	4	2
2017	8 076	4 118	3 958	6 560	1 516	8 054	19	3
2018	8 235	4 297	3 938	6 691	1 544	8 220	13	2
2019	8 062	4 121	3 941	6 526	1 536	8 041	18	3
Stillbirths								
2015	37	17	20	28	9	37	-	-
2016	38	14	24	27	11	38	-	-
2017	31	16	15	27	4	31	-	-
2018	34	20	14	29	5	34	-	-
2019	27	17	10	19	8	27	-	-

Source: Central Bureau of Statistics; processing: COSPDC – Department of Statistical and Analytical Affairs

K 2.3 Vital indices in 2019 by city districts



2.26 Live births and stillbirths by age of mother and birth order

	Total	Age of mother						Birth order					
		Less than 15 years	15 - 19	20 - 29	30 - 39	40 years and more	Unknown	First	Second	Third	Fourth	Fifth and over	Unknown
Live births													
2015	8 039	1	101	2 755	4 859	318	5	3 769	2 965	869	220	102	114
2016	8 120	2	110	2 598	5 008	402	-	3 913	2 711	930	250	149	167
2017	8 076	1	105	2 475	5 085	410	-	3 672	2 813	1 047	259	156	129
2018	8 235	-	86	2 537	5 177	435	-	3 702	2 871	1 193	290	162	17
2019	8 062	-	77	2 399	5 113	472	1	3 677	2 723	1 150	312	186	14

2.26 Live births and stillbirths by age of mother and birth order

(Continued)

	Total	Age of mother						Birth order					
		Less than 15 years	15 – 19	20 – 29	30 – 39	40 years and more	Unknown	First	Second	Third	Fourth	Fifth and over	Unknown
Stillbirths													
2015	37	-	1	7	25	4	-	17	5	2	-	-	13
2016	38	-	2	16	20	-	-	26	8	3	-	-	1
2017	31	-	1	7	20	3	-	13	10	7	-	-	1
2018	34	-	-	10	23	1	-	21	10	2	-	-	1
2019	27	-	-	11	14	2	-	24	3	-	-	-	-

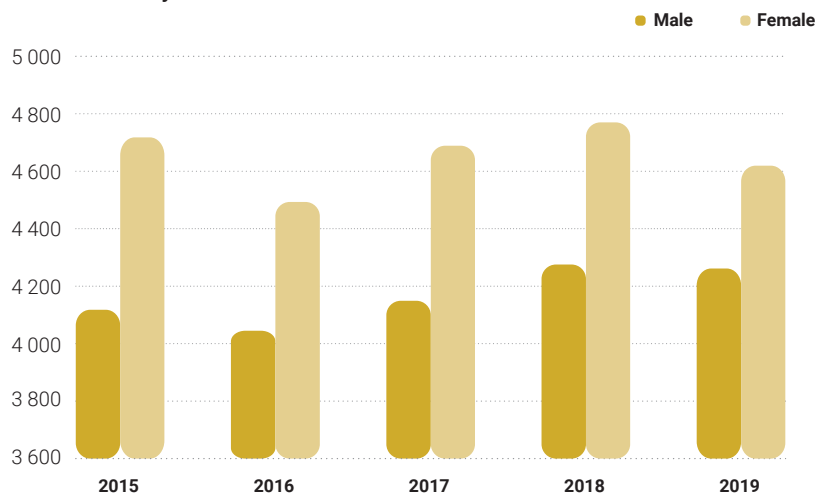
Source: Central Bureau of Statistics; processing: COSPDC – Department of Statistical and Analytical Affairs

2.27 Deaths by sex and age

	Sex	Total	Age											
			Less than 1 year	1 – 4	5 – 9	10 – 14	15 – 19	20 – 29	30 – 39	40 – 49	50 – 59	60 – 69	70 and more	Unknown
2015	Male	4 112	16	2	1	1	6	22	64	128	347	818	2 707	-
	Female	4 709	10	1	1	3	6	9	20	85	224	451	3 899	-
2016	Male	4 044	12	2	2	3	5	16	54	119	347	811	2 673	-
	Female	4 484	17	2	3	-	1	10	17	59	165	505	3 705	-
2017	Male	4 147	16	3	4	2	6	25	57	105	343	812	2 774	-
	Female	4 679	14	2	3	1	4	11	30	66	194	487	3 867	-
2018	Male	4 273	25	1	1	4	9	25	47	119	331	812	2 899	-
	Female	4 763	9	2	1	-	6	7	31	64	197	486	3 960	-
2019	Male	4 255	12	2	2	2	7	25	61	132	330	858	2 824	-
	Female	4 610	10	1	3	2	3	8	27	70	171	456	3 859	-

Source: Central Bureau of Statistics; processing: COSPDC – Department of Statistical and Analytical Affairs

G 2.13 Deaths by sex



2.28 Deaths by sex, place of death, treatment of the disease that caused death, and reports on the cause of death

	Total	Place of death					Treated from the disease that caused death			Information on the cause of death was given by				
		Hospital	Other health institution	Accommodation institution	Dwelling	Other places	Yes	No	Unknown	Medical examiner	Coroner (other than medical examiners)	Pathologist	Medical doctor who treated the person	Undetermined cause of death
2015														
Total	8 821	4 592	26	1 761	2 180	262	8 442	344	35	5 306	39	891	2 583	2
Male	4 112	2 292	18	535	1 080	187	3 873	222	17	2 277	13	533	1 287	2
Female	4 709	2 300	8	1 226	1 100	75	4 569	122	18	3 029	26	358	1 296	-
2016														
Total	8 528	4 558	52	1 619	2 001	298	8 168	325	35	5 759	56	872	1 840	1
Male	4 044	2 267	27	516	1 040	194	3 796	223	25	2 558	32	543	910	1
Female	4 484	2 291	25	1 103	961	104	4 372	102	10	3 201	24	329	930	-
2017														
Total	8 826	4 645	59	1 786	2 034	302	8 495	247	84	7 186	220	850	568	2
Male	4 147	2 216	30	616	1 085	200	3 926	165	56	3 254	81	526	284	2
Female	4 679	2 429	29	1 170	949	102	4 569	82	28	3 932	139	324	284	-
2018														
Total	9 036	4 586	28	1 987	2 149	286	8 738	196	102	7 103	260	859	811	3
Male	4 273	2 280	17	673	1 114	189	4 072	128	73	3 275	104	522	370	2
Female	4 763	2 306	11	1 314	1 035	97	4 666	68	29	3 828	156	337	441	1
2019														
Total	8 865	4 438	28	1 939	2 049	411	8 559	179	127	6 813	227	849	968	8
Male	4 255	2 265	13	647	1 077	253	4 049	129	77	3 138	92	549	473	3
Female	4 610	2 173	15	1 292	972	158	4 510	50	50	3 675	135	300	495	5

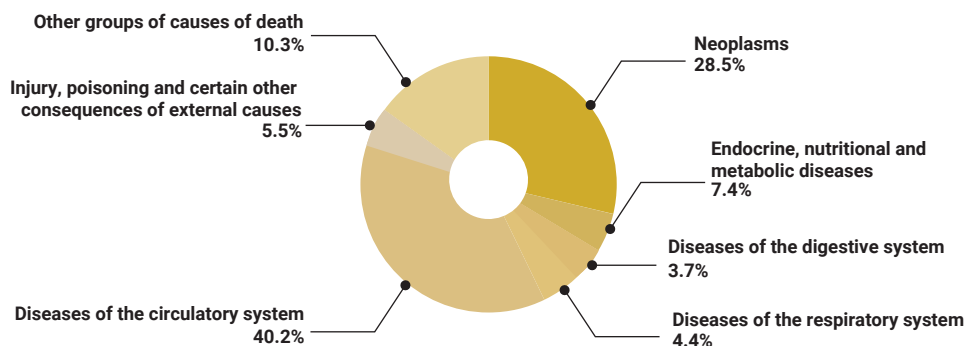
Source: Central Bureau of Statistics; processing: COSPDC – Department of Statistical and Analytical Affairs

2.29 Deaths by cause of death

	2015	2016	2017	2018	2019
Total	8 821	8 528	8 826	9 036	8 865
Infectious and parasitic diseases	107	121	164	56	54
Neoplasms	2 460	2 569	2 520	2 593	2 523
Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism	5	9	10	9	13
Endocrine, nutritional and metabolic diseases	276	325	343	440	653
Mental and behavioural disorders	212	138	136	172	201
Diseases of the nervous system	190	202	220	268	234
Diseases of the eye and adnexa	-	-	-	-	-
Diseases of the ear and mastoid process	1	-	1	-	-
Diseases of the circulatory system	3 948	3 610	3 681	3 830	3 570
Diseases of the respiratory system	491	470	605	426	386
Diseases of the digestive system	346	293	308	365	329
Diseases of the skin and subcutaneous tissue	3	2	1	-	3
Diseases of the musculoskeletal system and connective tissue	26	22	22	20	19
Diseases of the genitourinary system	248	305	324	296	304
Pregnancy, childbirth and the puerperium	-	-	-	-	1
Certain conditions originating in the perinatal period	17	14	14	24	12
Congenital malformations, deformations and chromosomal abnormalities	14	18	16	13	13
Symptoms, signs, and abnormal clinical and laboratory findings not elsewhere classified	72	43	78	52	58
Injury, poisoning and certain other consequences of external causes	405	387	383	472	492

Source: Central Bureau of Statistics; processing: COSPDC – Department of Statistical and Analytical Affairs

G 2.14 Deaths according to groups of causes of death in 2019



2.30 Violent deaths

	Total number of violent deaths		Accidental deaths		Murders		Suicides		Consequences of war injuries		Unknown, unsolved violent deaths	
	Total	Women	Total	Women	Total	Women	Total	Women	Total	Women	Total	Women
2015	405	177	284	134	3	1	115	41	-	-	3	1
2016	387	157	270	126	9	4	104	27	1	-	3	-
2017	383	161	265	119	10	7	93	32	-	-	15	3
2018	472	201	346	157	4	2	101	36	-	-	21	6
2019	492	193	339	155	9	3	107	24	-	-	37	11

Source: Central Bureau of Statistics; processing: COSPDC – Department of Statistical and Analytical Affairs

2.31 Violent deaths by age of the deceased and month of death

	2015	2016	2017	2018	2019
Total violent deaths	405	387	383	472	492
By age of the deceased					
Less than 1 year	-	1	1	1	-
1 – 4	1	1	-	-	-
5 – 9	-	-	2	-	3
10 – 14	2	-	-	1	1
15 – 19	6	3	5	8	3
20 – 24	7	8	6	10	10
25 – 29	6	8	7	8	10
30 – 34	18	13	18	10	14
35 – 39	27	16	22	20	27
40 – 44	19	11	17	19	22
45 – 49	25	13	14	16	26
50 – 54	17	23	22	20	16
55 – 59	25	26	30	37	30
60 – 64	19	26	22	31	35
65 – 69	23	27	30	38	36
70 – 74	28	29	24	28	27
75 – 79	39	32	41	46	47
80 years and more	143	150	122	179	185
Unknown age	-	-	-	-	-
By month of death					
January	40	44	25	40	38
February	44	28	26	43	27
March	43	20	30	44	51
April	25	39	26	26	47
May	24	20	34	39	36
June	28	37	29	36	39

2.31 Violent deaths by age of the deceased and month of death

(Continued)

	2015	2016	2017	2018	2019
July	34	32	30	41	46
August	37	33	42	48	53
September	35	44	35	44	37
October	27	38	40	42	47
November	29	27	32	28	38
December	39	25	34	41	33
Share of violent deaths in the total number of deaths, %	4,6	4,5	4,3	5,2	5,5

Source: Central Bureau of Statistics; processing: COSPDC – Department of Statistical and Analytical Affairs

2.32 Suicides by age of the deceased

	2015	2016	2017	2018	2019
Suicides – total	115	104	93	101	107
Age of the deceased					
up to 14 years	1	-	-	1	1
15 – 24	10	7	2	9	7
25 – 39	24	11	17	14	19
40 – 54	24	19	17	21	26
55 – 69	27	37	29	34	25
70 years and more	29	30	28	22	29
Unknown age	-	-	-	-	-
Suicide rate in total number of deaths, %	1.30	1.22	1.05	1.12	1.21
Suicide in the total number of violent deaths, %	28.40	26.87	24.28	21.40	21.75

Source: Central Bureau of Statistics; processing: COSPDC – Department of Statistical and Analytical Affairs

2.33 Deaths in traffic accidents by age

	2015	2016	2017	2018	2019
Total deaths	30	32	39	42	30
Of which women	10	6	10	16	9
Age of the deceased					
0 – 4	-	-	-	-	-
5 – 9	-	-	1	-	1
10 – 14	1	-	-	-	-
15 – 19	-	1	2	2	-
20 – 24	-	1	3	3	-
25 – 29	-	1	1	4	-
30 – 34	1	4	2	2	-
35 – 39	2	2	4	1	2
40 – 44	4	1	5	-	1
45 – 49	3	1	4	1	3

2.33 Deaths in traffic accidents by age

(Continued)

	2015	2016	2017	2018	2019
50 – 54	2	6	1	1	-
55 – 59	4	2	3	3	2
60 – 64	1	2	1	5	2
65 – 69	2	2	2	3	5
70 – 74	1	4	3	3	6
75 – 79	5	1	4	2	5
80 years and more	4	4	3	12	3
Unknown age	-	-	-	-	-
Share of deaths in traffic accidents in the total number of the deceased, %	0.34	0.38	0.44	0.46	0.34
Share of deaths in traffic accidents in the total number of violent deaths, %	7.41	8.27	10.18	8.90	6.10

Source: Central Bureau of Statistics; processing: COSPDC – Department of Statistical and Analytical Affairs

2.34 Concluded marriages by age of brides and grooms

	Concluded marriages – total	Age										
		16 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 years and more	Unknown
Brides												
2015	3 737	53	539	1 388	983	400	141	68	64	37	64	-
2016	3 806	70	467	1 407	1 043	398	169	77	62	43	70	-
2017	3 899	59	522	1 451	997	447	165	94	53	52	59	-
2018	3 886	55	502	1 420	1 022	410	185	105	77	50	60	-
2019	3 808	39	483	1 351	1 007	458	196	100	71	50	53	-
Grooms												
2015	3 737	2	247	1 092	1 202	575	249	127	75	61	107	-
2016	3 806	25	220	1 080	1 245	591	224	151	89	75	106	-
2017	3 899	11	247	1 132	1 222	614	278	118	83	61	133	-
2018	3 886	16	273	1 053	1 179	655	269	153	107	58	123	-
2019	3 808	10	239	1 052	1 145	624	315	147	110	50	116	-

Source: Central Bureau of Statistics; processing: COSPDC – Department of Statistical and Analytical Affairs

2.35 Concluded marriages by number of previous marriages and previous marital status

	Concluded marriage – total	Number of marriages				Previous marital status					
		Brides		Grooms		Brides			Grooms		
		One	Two or more	One	Two or more	Un-married	Widow	Divorced	Un-married	Widow	Divorced
2015	3 737	3 332	405	3 265	472	3 332	37	368	3 265	50	422
2016	3 806	3 372	434	3 286	520	3 372	37	397	3 286	51	469
2017	3 899	3 520	379	3 415	484	3 520	39	340	3 415	41	443
2018	3 886	3 449	437	3 410	476	3 449	32	405	3 410	37	439
2019	3 808	3 386	422	3 349	459	3 386	26	396	3 349	36	423

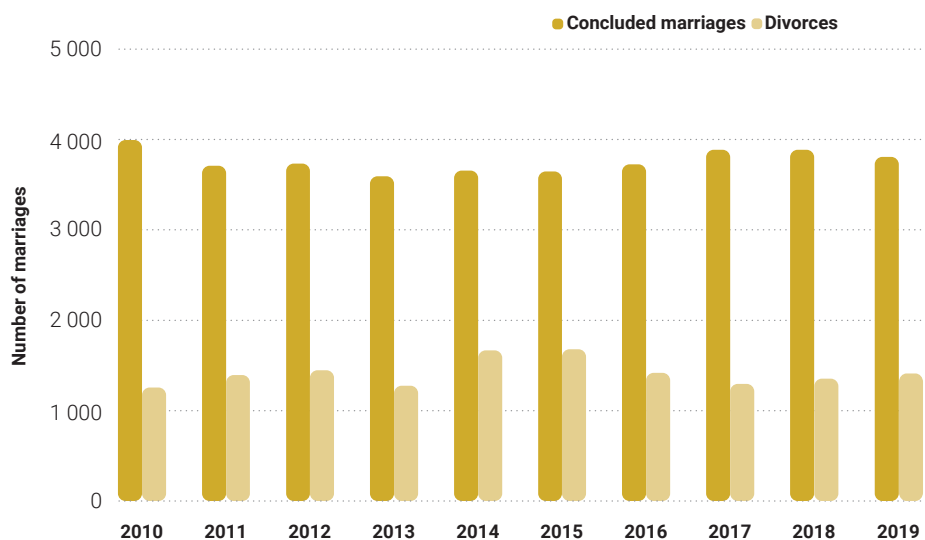
Source: Central Bureau of Statistics; processing: COSPDC – Department of Statistical and Analytical Affairs

2.36 Concluded marriages by professional qualifications of brides and grooms

	Concluded marriages – total	School education													
		Brides							Grooms						
		No schooling and 1 – 3 grades of primary school	4 – 7 grades of primary school	Primary school	Vocational schools lasting 1–3 years and schools for skilled and highly skilled workers	Four-year vocational schools and grammar schools	Faculties, higher, and post-secondary schools, masters' degrees and doctoral degrees	Unknown	No schooling and 1 – 3 grades of primary school	4 – 7 grades of primary school	Primary school	Vocational schools lasting 1–3 years and schools for skilled and highly skilled workers	Four-year vocational schools and grammar schools	Faculties, higher, and post-secondary schools, masters' degrees and doctoral degrees	Unknown
2015	3 737	3	5	31	423	1 142	1 677	456	3	6	23	629	1 226	1 388	462
2016	3 806	1	1	42	435	1 135	1 802	390	1	1	25	691	1 230	1 487	371
2017	3 899	6	5	55	360	1 312	1 885	276	3	7	35	568	1 455	1 537	294
2018	3 886	5	3	34	372	1 232	1 764	476	3	-	25	550	1 363	1 453	492
2019	3 808	-	-	15	365	1 173	1 793	462	1	-	17	518	1 325	1 504	443

Source: Central Bureau of Statistics; processing: COSPDC – Department of Statistical and Analytical Affairs

G 2.15 Marriages and divorces



2.37 Divorces

	2015	2016	2017	2018	2019
Divorces – total	1 428	1 682	1 298	1 372	1 430
By husband's age					
up to 19	-	1	-	-	-
20 – 24	10	14	8	12	14
25 – 29	76	75	46	68	51
30 – 39	464	542	406	421	429
40 – 49	463	611	467	478	522
50 – 59	279	320	257	276	284
60 years and more	136	119	114	117	130
unknown	-	-	-	-	-
By wife's age					
up to 19	-	1	2	-	1
20 – 24	27	29	15	24	25
25 – 29	120	136	92	113	105
30 – 39	552	631	505	503	501
40 – 49	443	587	420	440	498
50 – 59	202	220	196	212	223
60 years and more	84	78	68	80	77
unknown	-	-	-	-	-
By duration of marriage					
up to 1 year	11	15	14	26	20
1 – 4	250	245	202	225	249
5 – 9	334	404	313	327	311
10 – 14	249	313	236	230	246
15 – 19	207	254	183	176	202
20 years and more	377	451	350	388	402
By number of dependent children born during the divorce procedure					
0	615	665	508	621	652
1	442	548	426	439	408
2	283	395	298	260	305
3 and over	88	74	66	52	65
unknown	-	-	-	-	-
By dependent children born to married parents currently undergoing divorce procedure, in cases of granted child custody					
no dependent children	615	665	508	621	652
custody granted to the husband	59	77	63	62	62
custody granted to the wife	722	896	691	651	641
custody granted to the husband and the wife	32	43	34	33	74
custody granted to other persons, institutions, and other	-	1	2	5	1

Source: Central Bureau of Statistics; processing: COSPDC – Department of Statistical and Analytical Affairs

MIGRATION OF POPULATION

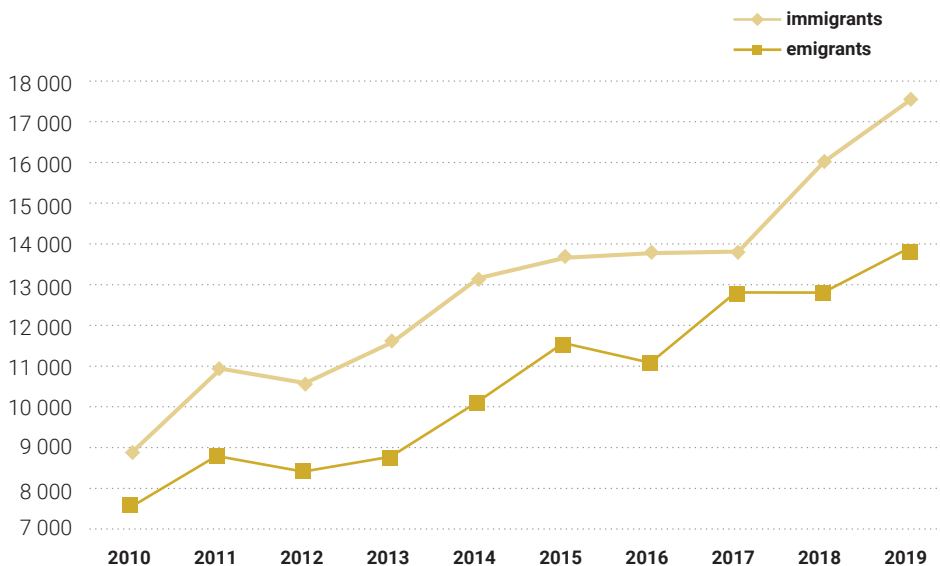
2.38 Immigrants and emigrants

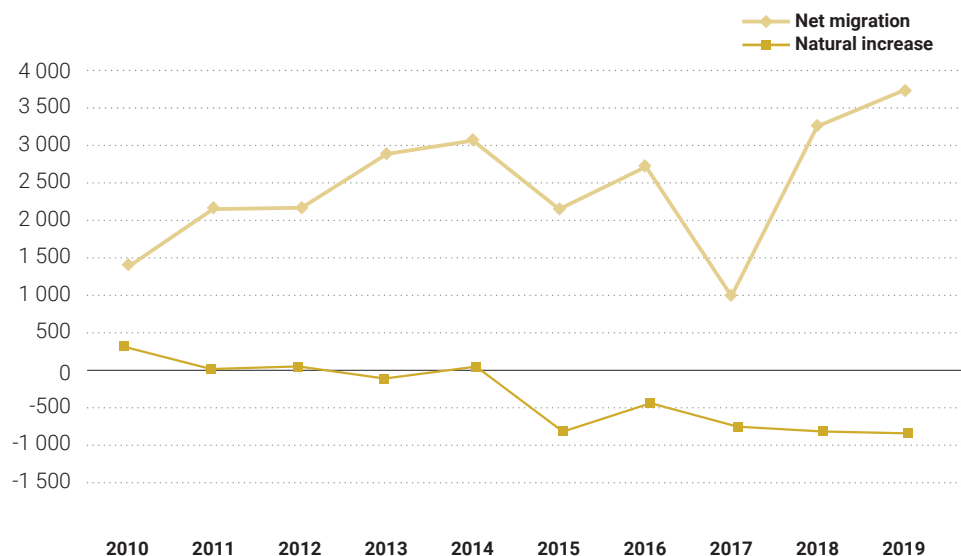
	2015	2016	2017	2018	2019
Immigrants – total	13 644	13 765	13 758	16 004	17 527
From other counties	10 886	10 435	10 043	9 606	9 882
From abroad	2 758	3 330	3 715	6 398	7 645
Emigrants – total	11 512	11 059	12 755	12 762	13 830
To other counties	6 466	6 183	5 941	6 193	6 573
Abroad	5 046	4 876	6 814	6 569	7 257
Net migration rate	2 132	2 706	1 003	3 242	3 697
Net migration between counties	4 420	4 252	4 102	3 413	3 309
Net migration to foreign countries	-2 288	-1 546	-3 099	-171	388
Immigrants between settlements ¹⁾	2 869	2 727	2 495	2 783	2 811

¹⁾ The data relate to the relocation between settlements within the City of Zagreb.

Source: Central Bureau of Statistics; processing: COSPDC – Department of Statistical and Analytical Affairs

G 2.16 Immigrant and emigrated population



G 2.17 Natural increase and migration rate of the population from 2010 to 2019**2.39 Immigrants from abroad to the City of Zagreb by country, age and sex in 2019**

		Total	Bosnia and Herzegovina	Kosovo	Serbia	Germany	Albania	India	North Macedonia ¹⁾	Ukraine	Philippines	Austria	China	USA	Other countries	Unknown
Total	Total	7 645	2 294	906	890	483	349	261	236	165	133	128	116	101	1 144	439
	Women	1 755	456	44	124	182	15	9	45	40	71	52	22	49	433	213
0-4	Total	118	28	3	4	11	-	-	3	-	-	6	-	5	16	42
	Women	58	11	1	1	9	-	-	3	-	-	2	-	2	9	20
5-9	Total	115	25	3	-	21	1	-	1	3	-	3	3	2	32	21
	Women	56	5	2	-	12	1	-	1	2	-	3	-	-	20	10
10-14	Total	74	15	-	1	8	-	-	2	-	1	1	-	1	27	18
	Women	27	4	-	1	4	-	-	1	-	1	1	-	1	8	6
15-19	Total	362	136	64	22	12	9	3	11	4	1	8	3	2	44	43
	Women	102	33	3	5	7	-	-	6	2	1	1	-	1	22	21
20-24	Total	1 099	438	171	89	32	45	38	38	15	5	11	21	6	126	64
	Women	270	101	8	22	17	4	2	9	8	2	7	2	2	49	37
25-29	Total	1 222	365	176	110	45	61	60	42	18	32	14	27	12	201	59
	Women	280	94	11	18	17	2	3	3	4	20	4	6	5	66	27
30-34	Total	1 075	306	125	114	49	74	58	27	39	39	16	13	14	162	39
	Women	215	51	4	20	16	4	-	2	7	16	8	2	8	61	16
35-39	Total	1 019	258	129	145	52	28	52	32	35	36	16	19	9	162	46
	Women	197	30	9	11	14	2	2	4	5	21	5	5	4	59	26

2.39 Immigrants from abroad to the City of Zagreb by country, age and sex in 2019

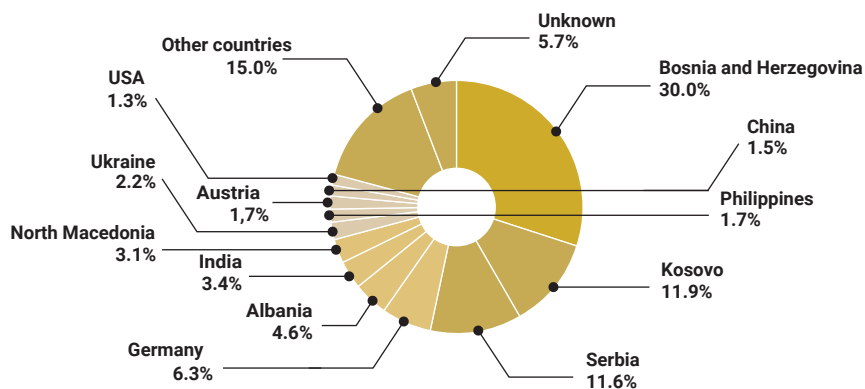
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		Total	Bosnia and Herzegovina	Kosovo	Serbia	Germany	Albania	India	North Macedonia ¹⁾	Ukraine	Philippines	Austria	China	USA	Other countries	Unknown
40-44	Total	818	204	97	115	58	46	23	29	23	14	17	9	12	137	34
	Women	170	25	2	16	17	1	2	6	4	7	10	2	7	52	19
45-49	Total	619	181	74	113	43	50	20	15	11	5	13	9	7	57	21
	Women	105	29	1	10	12	-	-	3	2	3	6	2	5	24	8
50-54	Total	461	135	48	94	33	22	7	19	11	-	6	7	7	54	18
	Women	67	12	3	8	7	1	-	3	3	-	-	2	3	16	9
55-59	Total	277	102	12	52	27	11	-	11	3	-	3	4	3	38	11
	Women	54	16	-	5	9	-	-	3	1	-	1	1	2	13	3
60-64	Total	143	45	2	22	17	2	-	3	1	-	4	-	6	32	9
	Women	43	15	-	1	9	-	-	-	-	-	1	-	4	12	1
65-69	Total	96	21	2	1	25	-	-	2	1	-	6	1	6	27	4
	Women	39	10	-	-	11	-	-	1	1	-	2	-	2	10	2
70-74	Total	65	10	-	4	30	-	-	1	-	-	1	-	6	11	2
	Women	35	5	-	3	16	-	-	-	-	-	-	-	3	6	2
75 and more	Total	82	25	-	4	20	-	-	-	1	-	3	-	3	18	8
	Women	37	15	-	3	5	-	-	-	1	-	1	-	-	6	6

¹⁾ Since February 15, 2019, the Republic of Croatia uses "The Republic of North Macedonia" in all types of formal correspondence.

Source: Central Bureau of Statistics; processing: COSPDC – Department of Statistical and Analytical Affairs

G 2.18 Immigrants from abroad to the City of Zagreb by country in 2019



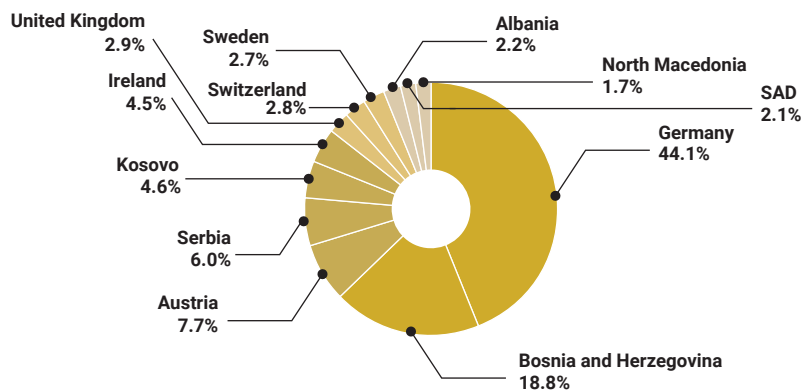
2.40 Emigrants from the City of Zagreb abroad by country, age and sex in 2019

		Total	Germany	Bosnia and Herzegovina	Austria	Serbia	Kosovo	Ireland	United Kingdom	Switzerland	Sweden	Albania	USA	North Macedonia ¹⁾	Other countries	Unknown
Total	Total	7 257	2 627	1 115	458	358	273	270	177	169	162	130	125	102	1 217	74
	Women	2 939	1 260	197	251	67	48	130	103	91	81	3	63	26	589	30
0-4	Total	206	94	8	27	1	-	13	3	3	8	-	2	-	40	7
	Women	112	50	4	21	1	-	8	1	2	5	-	1	-	18	1
5-9	Total	357	203	16	31	2	2	14	1	4	17	-	4	2	57	4
	Women	168	94	7	18	1	2	8	-	2	6	-	3	1	26	-
10-14	Total	290	153	34	20	1	3	15	4	8	5	-	3	-	44	-
	Women	154	75	17	14	1	2	8	3	3	3	-	1	-	27	-
15-19	Total	260	103	51	14	3	16	6	9	11	5	-	3	1	36	2
	Women	115	51	19	5	1	4	2	3	3	5	-	2	1	17	2
20-24	Total	718	223	186	38	36	44	30	14	10	8	13	8	14	84	10
	Women	247	105	26	20	7	7	10	7	7	5	-	3	3	42	5
25-29	Total	1 047	306	183	62	36	64	47	45	28	29	25	14	9	192	7
	Women	450	167	25	38	5	13	25	21	17	15	2	9	2	107	4
30-34	Total	947	267	136	61	43	50	50	45	15	30	24	18	13	185	10
	Women	364	129	16	33	8	3	18	28	8	15	1	12	6	82	5
35-39	Total	890	314	118	51	48	31	37	11	12	23	22	18	14	183	8
	Women	358	165	11	31	5	4	17	8	5	9	-	8	4	88	3
40-44	Total	758	275	104	41	51	27	29	18	9	15	14	14	16	142	3
	Women	281	121	14	19	6	3	15	13	6	9	-	7	-	66	2
45-49	Total	617	247	86	36	38	15	16	13	9	10	10	15	14	101	7
	Women	230	115	10	17	2	2	10	9	6	2	-	5	2	49	1
50-54	Total	468	186	66	36	33	10	7	8	28	4	12	3	7	61	7
	Women	172	82	6	18	2	4	6	6	18	3	-	1	1	23	2
55-59	Total	276	114	49	15	22	6	-	3	19	1	8	4	4	28	3
	Women	90	43	7	5	4	-	-	1	10	1	-	1	1	16	1
60-64	Total	171	56	29	12	21	2	2	2	6	2	1	6	3	28	1
	Women	62	20	8	4	7	1	1	2	2	1	-	5	1	10	-
65-69	Total	109	42	14	7	8	-	4	1	4	3	1	7	-	17	1
	Women	55	23	6	3	5	-	2	1	1	2	-	2	-	9	1
70-74	Total	77	29	13	4	10	3	-	-	3	1	-	2	1	10	1
	Women	41	13	7	3	7	3	-	-	1	-	-	1	1	4	1
75 and more	Total	66	15	22	3	5	-	-	-	-	1	-	4	4	9	3
	Women	40	7	14	2	5	-	-	-	-	-	-	2	3	5	2

¹⁾ Since February 15, 2019, the Republic of Croatia uses "The Republic of North Macedonia" in all types of formal correspondence.

Source: Central Bureau of Statistics; processing: COSPDC – Department of Statistical and Analytical Affairs

G 2.19 Emigrants from the City of Zagreb to foreign countries according to country, 2019



The total number of health care professionals and associates in 2019 was 22 813, which is an increase by 9.5% compared to 2015. Of the total number of health care professionals and associates, medical nurses make up the largest share, 31%.

03

Health care



Photo: S. Uštulica, ZTB

NOTES ON METHODOLOGY

Source and method of data collection

Data on health care are supplied by the Croatian Health Insurance Fund, the Croatian Institute of Public Health, "Doctor Andrija Štampar" Teaching Institute of Public Health, Teaching Institute of Emergency Medicine of the City of Zagreb, and "Doctor Drago Čop" Polyclinic for Rheumatic Diseases, Physical Therapy and Rehabilitation.

The collection of health and statistical data is regulated by the Healthcare Act (OG, 150/08), the Act on data and information in health (OG, No. 14/19), Official Statistics Act (OG, No. 103/03, 75/09, 59/12 i 12/13) and the Programme of Statistical Activities and the Annual Implementation Plan of Statistical Activities of the Republic of Croatia. On the basis of the above-mentioned acts, all healthcare institutions and healthcare professionals, regardless of the type of ownership and contract with the Croatian Health Insurance Fund, must deliver the necessary data.

Coverage and comparability

Data on health care are collected in accordance with the recommendations and definitions given by the World Health Organization. They are regularly published in international publications on health care. In order to make the system of statistical surveys unique in terms of recordkeeping and comparability of data, uniform methodological principles and statistical standards are being used.

Opening of private practice offices and establishing of private healthcare institutions has been enabled pursuant to the Health Care Act (OG 75/93, 55/96 and 1/97). Owing to the afore-mentioned, healthcare institutions have adjusted their internal organisation to the relevant Act, which resulted in transformation of medical centres into institutions for primary and hospital health care, and into public health institutes.

Groups of diseases are classified according to the International Classification of Diseases while the Ordinance on implementing the Health Records Act in the area of the primary and specialist and consultant health care (OG 4/95) includes forms for filling out classified disease and the obligation to fill out the form for healthcare institutions and healthcare professionals working in private practices.

The Act on Protecting the Population from Infectious Diseases (OG 79/07, 113/08, 43/09, 130/17 and 114/18) stipulates the obligation to fill out applications for every person suffering from an infectious disease. The list of infectious diseases whose prevention and control is of interest for the Republic of Croatia is adopted by the Minister of Health upon the proposal by the Croatian Institute of Public Health, and for the City of Zagreb upon the proposal by the competent institute of public health.

Definitions and explanations

Health care represents the system of state, group and individual measures for health improvement, protection and restoration. The aim of health care is promotion and improvement of health, prevention (i.e. disease prevention), timely detection of diseases, effective treatment and rehabilitation. Health care is divided into three levels: primary, secondary and tertiary.

Primary health care includes the activity of general practice, school medicine, hygienic and epidemiological care, dental care, emergency medical services, occupational health care, primary healthcare of women and children, community nursing and pharmacies. It is provided by health institutions, regardless of their type of ownership. These health institutions include health centres, institutions for emergency medical care, institutions for home health care, pharmacies and private practice offices.

Secondary health care includes specialist and consultative healthcare, as well as hospital health care provided by general and specialized hospitals, and health resorts.

Tertiary health care includes the most complex forms of healthcare in the field of specialist activities. It is provided by clinics and state health institutes.

A **health professional** is a person who provides health care and acts according to the standards of the health profession, in a way that his or her actions do not threaten the lives and health of people and has an education acquired at medical, dental or pharmaceutical-biochemical faculties and higher and secondary health schools.

A **health care associate** is a person who participates in a part of health care (diagnostic and therapeutic procedures), works in health care institutions and has not acquired health education.

Specialization is a form of organized acquisition of competencies according to a prescribed program which can be performed only in authorized health institutions, trade companies engaged in health activities, i.e. with licensed medical doctors performing in a private practice, provided they meet the terms and conditions stipulated by the law.

Emergency medical aid is a public medical emergency service organised according to expert medical doctrine and by using medical technology in order for the provision of uninterrupted emergency medical aid to all persons whose life is in danger due to illness, accident or injury, i.e. to all persons who could soon find themselves in life danger, with the aim of maximum shortening of the time between the occurrence of emergency and the provision of medical care.

Emergency medical services Team 1 consists of a medical doctor specialized in emergency medicine (EMD), at least one male/female nurse and a driver.

Emergency medical services Team 2 consists of a male/female nurse specialized in providing emergency medical care, and at least one male/female nurse.

Organisation of Team 1 and Team 2 in emergency medical services is defined by the Emergency Services Network.

Hospital activities include diagnostics, treatment and medical rehabilitation, medical care and the stay and nutrition of patients in hospitals.

Special hospital is a health care institution specialised for a branch of medical activity, which can provide residential and outpatient health care and rehabilitation services (with or without beds).

3.1 Health care beneficiaries¹⁾

	Total	Insurance beneficiaries					Family members of insurance beneficiaries ²⁾	Insurance beneficiaries who are farmers
		Total	Active users	Retired	Temporarily unemployed	Others ²⁾		
2015	1 133 535	927 875	433 633	273 430	111 231	109 581	202 497	3 163
2016	1 131 009	951 887	441 890	273 813	106 120	130 064	176 387	2 735
2017	1 122 390	968 391	448 575	273 440	102 065	144 311	151 657	2 342
2018	1 120 158	986 552	459 081	274 023	94 712	158 736	131 603	2 003
2019	1 122 041	1 004 641	469 133	274 504	90 401	170 603	115 666	1 734

¹⁾ Data refers to beneficiaries from the area of the City of Zagreb and Zagreb County – Regional Office Zagreb.

²⁾ Since 1 July 2013 children up to the age of 18 acquire the insured person status based on the new insurance regulation instead of being insured as family members of insured persons. (Compulsory Health Insurance Act, Official Gazette of the City of Zagreb, No. 80/13)

Source: Croatian Health Insurance Fund

3.2 Duration of leave of absence – incapacity for work¹⁾

	2015	2016	2017	2018	2019
Number of days, total - in thousands	5 834	6 054	6 368	6 734	6 831
Number of days per one active beneficiary	14	14	14	15	15
Cause of incapacity for work					
Disease					
Number of days, thousands	3 809	4 004	4 334	4 714	4 859
Per one active beneficiary	9	9	10	10	10
Occupational accidents and diseases					
Number of days, thousands	366	363	330	341	322
Per one active beneficiary	1	1	1	1	1
Family member care, isolation, and escort					
Number of days, thousands	290	284	292	318	330
Per one active beneficiary	1	1	1	1	1
Pregnancy and mandatory maternity leave					
Number of days, thousands	788	808	795	707	698
Per one active beneficiary	2	2	2	2	2
Pregnancy complications					
Number of days, thousands	581	595	617	654	622
Per one active beneficiary	1	1	1	1	1

¹⁾ Data refers to the duration of leave of absence at the expense of legal and natural persons and the Croatian Health Insurance Fund – Regional Office Zagreb.

Source: Croatian Health Insurance Fund

3.3 Health institutions

	2015	2016	2017	2018	2019
Institutes of Public Health	2	2	2	2	2
Hospitals	18	18	18	18	18
Outpatient polyclinics (independent health care institutions)	168	167	167	173	180
Health centres	4	4	4	4	4
Nursing institutions - care	34	40	40	39	42
Other health institutions	9	8	8	9	4
Companies providing health care services	185	210	238	254	265

Source: Croatian Institute of Public Health

3.4 Health workers and associates

	2015	2016	2017	2018	2019
Total	20 831	21 390	21 663	22 369	22 813
Medical doctors - total	4 636	4 680	4 840	4 942	5 026
Specialists	3 367	3 328	3 403	3 468	3 598
Medical doctors	1 269	1 352	1 437	1 474	1 428
Doctors of dental medicine	1 097	1 089	1 121	1 151	1 184
Master of Pharmacy	796	816	779	814	828
Master of Medical Biochemistry	202	204	195	217	211
Other health professionals and associates according to the degree of professional education - total	14 100	14 601	14 728	15 245	15 564
High	748	760	786	872	922
Higher	4 106	4 220	4 395	4 840	5 106
Secondary	9 115	9 481	9 394	9 248	9 235
Lower Secondary	131	140	153	285	301

Source: Croatian Institute of Public Health

3.5 Health workers and associates by professional qualifications, profession and sex

	2017		2018		2019	
	Total	Women	Total	Women	Total	Women
Health workers and associates – total	21 663	17 275	22 369	17 740	22 813	18 124
High	7 721	5 354	7 996	5 582	8 171	5 706
Health workers	7 383	5 068	7 632	5 278	7 710	5 321
Medical doctors – total	4 840	3 007	4 942	3 086	5 026	3 142
Specialists	3 403	2 025	3 468	2 075	3 598	2 164
Medical doctors without specialty	317	245	313	242	392	302
Specialty trainees	889	580	918	609	983	639
Interns	231	157	243	160	53	37
Doctors of dental medicine	1 121	760	1 151	785	1 184	808
Master of Pharmacy	779	724	814	756	828	764
Master of Medical Biochemistry	195	180	217	197	211	192
Other health workers with higher education degrees ¹⁾	448	397	508	454	461	415
Health associates	338	286	364	304	461	385
Higher	4 395	3 669	4 840	3 998	5 106	4 261
Health workers	4 373	3 654	4 815	3 980	5 081	4 244
Bachelors of Nursing	2 343	2 151	2 620	2 374	2 911	2 637
Bachelor of Dental Hygiene	-	-	-	-	1	1
Master of Medical Biochemistry	-	-	-	-	1	1
Bachelor of Medical Laboratory Diagnostics	531	487	556	505	556	504
Bachelor of Sanitary Engineering	77	58	79	59	63	45
Bachelor of Physiotherapy	786	607	866	651	862	664
Bachelor of Radiological Technology	535	263	578	293	563	286
Pharmaceutical technicians	-	-	-	-	-	-
Dental Technicians	25	20	26	21	26	21
Bachelor of Occupational Therapy	76	68	90	77	98	85
Health associates	22	15	25	18	25	17
Secondary	9 394	8 138	9 248	7 953	9 235	7 927
Health workers	9 307	8 068	9 165	7 888	9 152	7 863
Nurses	7 385	6 423	7 138	6 168	7 114	6 122
Laboratory technicians	695	615	711	623	708	622
Sanitary technicians	59	40	68	47	51	33
Physiotherapeutic technicians	144	108	144	102	133	94
Radiology technicians	-	-	-	-	-	-
Pharmaceutical technicians	543	515	569	535	589	556
Dental technicians	371	264	388	275	377	266
Dental assistant	98	94	139	131	174	165
Work therapy technicians	5	4	3	3	2	2
Autopsy assistant	-	-	-	-	1	-
Child care worker	-	-	-	-	-	-
Wellness masseuse	7	5	5	4	3	3
Health associates	87	70	83	65	83	64
Lower Secondary	153	114	285	207	301	230
Health workers	31	23	54	42	77	67
Child caregivers	1	1	1	1	1	1
Paramedics	29	21	52	40	75	65
Dental assistants	1	1	1	1	1	1
Health associates	122	91	231	165	224	163

¹⁾ Graduated nurses, physiotherapists, sanitary technicians.

3.6 Doctors by type of specialty

Type of specialty	2017		2018		2019	
	Specialists	Specialty trainees ¹⁾	Specialists	Specialty trainees ¹⁾	Specialists	Specialty trainees ¹⁾
Total	3 403	889	3 468	918	3 598	983
General medicine	66	-	63	-	62	-
Internal medicine	515	5	509	2	505	1
Cardiology	2	25	7	29	11	35
Pulmonology	-	20	3	22	4	25
Gastroenterology	-	19	6	22	8	23
Nephrology	-	20	5	20	9	17
Haematology	-	22	6	20	8	20
Laboratory Immunology	1	2	1	2	2	1
Endocrinology and diabetology	-	15	1	16	3	14
Internist oncology	-	17	4	15	5	17
Allergology and clinical immunology	-	6	1	5	3	4
Pneumophysiology	21	-	21	-	22	-
Infectiology	41	14	44	14	44	17
Paediatric infectiology	3	7	3	8	4	9
Neurology	124	32	123	28	131	25
Psychiatry	233	39	238	40	250	42
Child and adolescent psychiatry	-	6	1	5	1	7
Neuropsychiatry	7	-	5	-	5	-
Dermatology and venerology	71	12	73	9	78	6
Paediatrics	238	60	234	79	249	89
General surgery	231	8	242	4	244	-
Cardiothoracic surgery	-	6	3	7	6	9
Vascular surgery	-	8	1	9	2	10
Abdominal surgery	-	23	1	29	6	29
Neurosurgery	41	12	38	14	38	15
Child surgery	21	8	24	8	26	6
Maxillofacial surgery	13	4	15	4	15	6
Plastic and reconstructive surgery	1	3	3	2	3	6
Urology	54	13	58	12	62	13
Orthopaedics	50	-	43	-	42	-
Orthopaedics and traumatology	13	24	6	24	10	26
Otorhinolaryngology	89	20	88	18	92	19
Ophthalmology	129	1	128	-	120	-
Ophthalmology and optometry	4	27	9	31	16	33
Obstetrics and gynaecology	226	31	224	37	228	44
Anaesthesiology and reanimation	75	-	58	-	66	-

3.6 Doctors by type of specialty

(Continued)

Type of specialty	2017		2018		2019	
	Specialists	Specialty trainees ¹⁾	Specialists	Specialty trainees ¹⁾	Specialists	Specialty trainees ¹⁾
Transfusiology	36	6	36	9	37	10
Radiology	183	-	174	-	174	-
Clinical radiology	-	45	8	49	15	61
Radiotherapy and oncology	44	17	47	14	50	14
Nuclear medicine	32	10	31	9	32	9
Physical medicine and rehabilitation	92	10	93	11	99	8
Occupational medicine	49	-	46	-	43	-
School medicine	40	-	39	-	39	-
Social medicine with health care organisation	5	-	4	-	4	-
Epidemiology	42	10	44	8	46	11
Medical microbiology and parasitology	74	-	72	-	69	-
Pathological anatomy	56	-	53	-	53	-
Pathology	-	12	2	13	2	17
Medical cytology	19	-	18	-	16	-
Clinical pharmacology	10	-	9	-	9	-
Public health	8	7	9	6	10	7
Family medicine	185	47	189	57	198	66
Clinical cytology	36	-	37	-	36	-
Anaesthesiology, reanimation and intensive care	159	126	187	127	199	124
Clinical pharmacology and toxicology	2	3	2	3	4	2
Occupational and sports medicine	27	11	28	11	28	13
Naval medicine	1	-	1	-	1	-
Emergency medicine	34	47	43	37	46	34
Clinical microbiology	-	6	2	6	3	13
General internal medicine	-	15	2	12	2	14
Rheumatology	-	3	1	6	1	7
Laboratory medicine	-	-	2	-	2	-
School and adolescent medicine	-	5	-	5	-	5

¹⁾ Since 2011, medical doctors begin training according to the new Ordinance on Specialist Training. (OG, No. 100/11, 133/11, 54/12, 49/13, 139/14, 116/15, 62/16, 69/16 and 6/17)

Source: Croatian Institute of Public Health

3.7 General medicine services – primary health care

	2015	2016	2017	2018	2019
Number of health centres	4	4	4	4	4
Number of teams in health institutions – total	435	439	488	458	425
Doctor's offices under contract with the Croatian Health Insurance Fund	234	227	260	214	187
Doctor's offices without an agreement with the Croatian Health Insurance Fund	11	14	14	28	27
Doctor's offices in health centres	190	198	214	216	211
Health workers					
General medicine practitioners	176	201	251	225	185
General medicine specialists and other specialists	265	244	237	233	240
Other health workers	434	449	437	437	429
Visits – total	6 477 841	7 128 280	7 003 886	7 146 495	7 148 219
Of which: at the doctor's office	6 439 160	7 086 701	6 961 031	7 103 026	7 101 821
home visits	38 681	41 579	42 855	43 469	46 398
Exams – total	2 236 625	2 199 923	2 059 944	2 003 164	1 905 589
Of which: at the doctor's office	2 198 066	2 159 787	2 018 710	1 960 035	1 865 927
home visits	38 599	40 136	41 234	43 129	39 662

Source: Andrija Štampar Teaching Institute of Public Health

3.8 Primary health care for infants and preschool children and women's health protection

	2015	2016	2017	2018	2019
Primary health care for infants and preschool children					
Teams	60	60	59	60	63
Doctors: specialists and paediatricians	60	60	59	60	62
Other health workers	60	60	59	60	62
Visits – total	663 295	547 425	488 884	561 562	602 696
At the doctor's office	663 235	547 360	488 856	561 553	602 674
Home visits	60	65	28	9	22
Examinations – total	317 650	295 615	257 821	295 552	315 027
At the doctor's office	317 590	295 550	257 793	295 543	315 015
Home visits	60	65	28	9	12
Primary health protection of women					
Teams	59	63	61	62	61
Doctors specialists	59	63	61	62	61
Other health workers	56	60	58	62	61
Preventive examinations	110 547	129 320	121 978	121 023	118 998
Visits and examinations at the doctor's office					
Visits	406 961	424 705	421 177	418 968	384 708
Examinations	233 140	243 486	241 452	217 553	211 447
Pregnant women's visits to counselling centres					
Total	63 868	41 549	40 378	44 276	39 787
Pathological conditions in pregnancy	12 529	11 860	11 449	6 527	4 368

Source: Andrija Štampar Teaching Institute of Public Health

3.9 Counselling centres for family planning – primary health care

	2015	2016	2017	2018	2019
Number of visits	23 826	25 346	26 412	18 048	22 573
Number of first-time visits	9 421	9 874	9 952	8 139	9 169
Number of prescribed contraceptives	22 984	25 030	26 142	21 936	20 009

Source: Andrija Štampar Teaching Institute of Public Health

3.10 Services for protection and treatment of mouth and teeth – primary health care

	2015	2016	2017	2018	2019
Teams	549	492	532	524	545
Health workers					
Dentists	523	473	515	511	527
Dental specialists	26	19	17	13	18
Dental technicians / dental assistants	470	453	456	467	468
Number of examinations	871 265	876 480	856 116	862 523	885 642
Number of full physical examinations	252 135	221 175	227 316	262 685	237 217

Source: Andrija Štampar Teaching Institute of Public Health

3.11 Emergency medical services

	Number of services						Number of employees
	Emergency medical services			Sanitary transport			
	Total	Team 1 ¹⁾	Team 2 ¹⁾	Total	In the City of Zagreb	Outside of the City of Zagreb	
2015	92 377	81 003	11 374	127 289	122 654	4 635	428
2016	88 245	76 984	11 261	129 744	125 322	4 422	429
2017	91 109	79 243	11 866	130 258	126 238	4 020	424
2018	87 305	75 722	11 583	129 012	124 930	4 082	420
2019	86 787	75 234	11 553	121 659	117 740	3 919	431

¹⁾ See Notes on Methodology.

Source: Zagreb Emergency Medical Centre

3.12 Average number of provided services per day in 2019

	Number of services per day						
	Mon, Wed, Fri.	Tue, Thu.	Saturday	Sunday	Holiday (Mon, Wed, Fri.)	Holiday (Tue, Thu.)	Average
Number of days	151	99	52	52	5	6	365
Emergency medical care	236	236	238	241	247	232	239
Team 1 ¹⁾	181	181	182	186	190	180	183
Emergency ward	23	22	29	27	29	29	26
Team 2 ¹⁾	33	33	28	27	29	24	29
Medical transport	411	469	313	45	247	304	299
In the City of Zagreb	396	453	313	45	247	304	293
Dialysis	197	199	206	0	187	215	167
Other transports	199	254	107	45	60	89	126
Outside of the City of Zagreb	15	16	0	0	0	0	5

¹⁾ See Notes on Methodology.

Source: Zagreb Emergency Medical Centre

3.13 Polyclinic for Rheumatic Diseases, Physical Medicine and Rehabilitation "Dr. Drago Čop"

	Doctor's offices	Employees				Visits to the office		Physio- therapeutic procedures
		Total	Health workers		Other non- medical staff			
			Doctors specialists	Other		Total	First	
2015	6	67	6	54	13	25 121	10 113	240 672 ¹⁾
2016	6	62	6	50	12	22 961	9 246	348 336
2017	6	65	6	52	13	24 303	8 408	347 748
2018	6	63	6	50	13	25 024	9 343	334 992*
2019	5	60	5	42	13	20 323	7 571	327 228

¹⁾ Since 1 April 2015, packages of diagnostic and therapeutic procedures (DTP) have been prescribed, which include a larger number of physical medicine services, depending on the time required to perform such services.

Source: Polyclinic for Rheumatic Diseases, Physical Medicine and Rehabilitation "Dr. Drago Čop"

3.14 Consultations and medical services provided by specialists

	Number of visits to the doctor's office ¹⁾				
	2015	2016	2017	2018	2019
Internal	492 645	481 057	512 255	502 934	582 797
Surgery	493 353	310 513	310 371	326 825	339 777
Urology	106 542	100 962	124 421	131 333	133 198
Neurology	142 976	107 259	142 674	150 640	165 977
Psychiatry	269 712	224 750	263 071	265 010	300 347
Paediatrics	173 158	148 320	190 464	180 892	196 293
Gynaecology and maternity	256 540	214 785	285 422	304 549	276 462
Dermatovenerology	208 495	153 752	206 357	188 270	207 132
Otorhinolaryngology	195 236	182 924	204 707	220 304	213 462
Ophthalmology	381 780	353 983	384 146	401 694	387 371
Infectiology	56 723	52 051	53 726	57 118	64 522
Orthopaedics	95 242	89 206	84 156	84 764	112 944
Oncology and radiotherapy	36 406	21 981	27 422	142 530 ²⁾	153 008
Physical medicine and rehabilitation	519 734 ³⁾	243 941	187 216	258 100	258 194
Anaesthesiology	55 219	49 020	64 139	75 747	70 417
Maxillofacial surgery	32 106	33 557	15 363	16 308	18 054
Neurosurgery	26 939	25 383	28 180	27 725	28 320
Nuclear medicine	172 427	38 590	86 651	83 876	85 212
Pulmonology	117 307	63 541	106 282	184 938	106 465
Diabetology	22 812	28 804	29 434	29 520	17 984
Child surgery	38 905	33 708	8 229	35 541	35 515
Cardiology	118 666	124 136	170 533	174 777	152 910

¹⁾ Includes offices under contract with the Croatian Health Insurance Fund, and offices which do not.

²⁾ Data includes the most of health institutions/doctor's offices.

³⁾ Includes physical therapy and rehabilitation.

Source: Croatian Institute of Public Health

3.15 Persons suffering from infectious diseases¹⁾

Types of communicable diseases	2015	2016	2017	2018	2019
Total	21 544	20 749	19 781	19 830	19 995
Dysentery	3	-	1	52	6
Enterocolitis	3 836	3 583	3 727	3 209	3 337
Toxicoinfectio alimentaris	37	35	32	77	22
Salmonellosis	230	183	143	130	156
Campylobacter	171	201	299	254	213
Hepatitis virosa	-	-	2 411	1 980	1 974
Hepatitis virosa A	1	2	11	40	3
Hepatitis virosa B	21	35	26	28	23
Hepatitis virosa C	37	53	41	52	51
Pertussis	14	32	29	87	9
Morbilli	109	4	4	1	31
Varicellae	4 959	4 946	3 728	4 157	3 612
Herpes zoster	1 047	979	962	901	759
Scarlatina	807	1 309	815	684	646
Angina streptococcica	3 580	4 977	3 218	3 503	4 353
Erysipelas	225	200	199	175	169
Parotitis epidemica	3	3	-	-	1
Meningitis epidemica	1	5	9	3	3
Meningitis purulenta	10	8	4	15	14
Meningitis virosa	13	19	9	18	14
Encephalitis	4	3	3	4	3
Mononucleosis infectiosa	663	660	635	657	624
Pneumonia-Bronchopneumonia	4 901	2 440	2 238	2 501	2 759
Gonorrhoea	7	5	15	11	21
Syphilis	8	10	6	7	8
Scabies	163	381	419	451	482
Pediculosis	364	411	417	406	393
Malaria	-	2	5	2	2
Dengue fever	-	3	-	3	2
Leptospirosis	1	-	1	1	2
Lyme borel.	135	141	148	291	153
Kala-azar	-	2	1	-	-
Toxoplasmosis	1	4	-	-	3
Legionellosis	21	13	20	23	18
Tularemia	-	-	2	-	-
Trichinellosis	-	-	1	-	-
TBC pulmonum	57	57	46	56	40
Febris haemorrhagica	2	5	120	2	39
Chlamidia	108	33	30	44	45
Botulismus	-	-	-	-	1
Echinococcosis	-	-	1	1	1
Q-febris	1	2	1	-	-
HIV Carriers	4	3	2	1	1
AIDS	-	-	-	-	-
Febris West Nile	-	-	2	3	2

¹⁾ See Notes on Methodology.

Source: Andrija Štampar Teaching Institute of Public Health

3.16 Hospital services

	2015	2016	2017	2018	2019
Hospitals – total	18	18	18	18	18
University Hospital Centre	2	2	2	2	2
Clinical hospitals	3	3	3	3	3
Clinics	3	3	3	3	3
General hospitals	-	-	-	-	-
Special hospitals	10	10	10	10	10
Number of beds ¹⁾	6 516	6 410	6 435	6 300	6 333
Number of patients – total	262 220	264 207	261 779	254 661	254 875
of which: deceased	6 193	6 181	6 315	6 208	5 706
Inpatient days, thousands	1 982	1 948	1 876	1 797	1 791
Health workers and associates – total	12 969²⁾	13 343	13 469	14 046	14 339
Doctors ³⁾	3 141	3 186	3 235	3 358	3 402
Other workers by level of professional education – total	9 828	10 157	10 234	10 688	10 937
High ⁴⁾	648	637	694	769	791
Higher	3 060	3 183	3 288	3 698	3 952
Secondary	5 995	6 204	6 106	5 942	5 897
Lower Secondary	125	133	146	279	297

¹⁾ Data refers to the total number of beds, and not exclusively the beds that are provided under contract with the Croatian Health Insurance Fund.

²⁾ Data on health workers and associates is not comparable to the data from previous years (change of methodology).

³⁾ The number of doctors also includes specialists – staff from the School of Medicine, staff from the School of Dental Medicine, and specialty trainees.

⁴⁾ Health workers and health associates of a high level of professional education. Administrative and technical staff has not been not included.

Source: Croatian Institute of Public Health

3.17 Indicators of hospital services in 2019

	Total	Treatment		Treatment in hospitals	
		Patients suffering from acute diseases	Patients suffering from chronic diseases	University Hospital Centre, clinical hospitals, and clinics	Special hospitals
Number of beds	6 333	5 177	1 156	5 486	847
Number of beds per 1 000 inhabitants	8	7	1	7	1
Number of doctors	2 601	2 540	61	2 467	134
Number of beds per one doctor	2	2	19	2	6
Number of discharged patients	254 875	241 951	12 924	239 653	15 222
Number of hospital treatment days	1 791 306	1 434 848	356 458	1 573 450	217 856
Average length of treatment (average number of days)	7	6	28	7	14
Annual bed occupancy	283	277	308	287	257
% of bed use	77,5	75,9	84,5	78,6	70,5
Number of patients per bed	40	47	11	44	18

Source: Croatian Institute of Public Health

3.18. Beds and hospital days in clinical hospital centres, clinical hospitals, clinics, special hospitals, according to individual activities³⁾

	Beds ¹⁾			Hospital days, in thousands		
	2017	2018	2019	2017	2018	2019
Total	6 435	6 300	6 333	1 876	1 796	1 791
Internal medicine	928	932	928	316	314	319
Pulmonology	181	181	181	59	55	48
Paediatrics	410	421	422	125	123	128
Surgery	777	788	659	219	217	174
Orthopaedics	135	136	279	29	31	72
Urology	141	143	143	43	42	42
Neurosurgery	105	105	115	39	37	36
Oncology	232	232	232	65	61	60
Gynaecology and maternity ward	603	562	562	150	141	136
Otorhinolaryngology	176	177	181	48	44	39
Ophthalmology	139	132	141	34	27	24
Neuropsychiatry	-	-	-	-	-	-
Dermatovenerology	64	64	64	13	11	10
Infectious disease	180	214	214	46	55	55
Physical medicine and rehabilitation	76	76	76	25	25	25
Nuclear medicine	-	-	-	-	-	-
Plastic surgery ²⁾	-	-	-	-	-	-
Psychiatry	374	361	357	123	111	106
Maxillofacial surgery	60	60	60	13	13	13
Neurology	242	242	242	69	69	71
Child surgery	122	120	118	21	20	21
Anaesthesiology, reanimation and intensive care	239	198	203	68	55	56
Long medical treatment	-	-	-	-	-	-
Chronic mental illnesses	1 081	986	986	341	313	320
Chronic childhood illnesses	40	40	40	5	3	3
Chronic pulmonary illnesses	100	100	100	17	18	19
Palliative care	30	30	30	8	11	14

¹⁾ Data refer to the total number of beds, and not only those contracted with the Croatian Health Insurance Institute.

²⁾ Since 2017, the beds have been shown in the surgery activity.

³⁾ Activities from the Annual Report on the Work of the Stationary Health Institution (Form 3-21-60), according to the HZZO Codebook.

Source: Croatian Institute of Public Health

3.19. Hospital services in 2019

Hospitals	Number of hospitals	Number of beds ^{1), 2)}	Number of patients ¹⁾		In-patient days, thousands ¹⁾	Health workers and associates					
			Total	Deceased		Total	Doctors ³⁾	Other workers by professional qualifications			
								High	Higher	Secondary	Lower secondary
Total	18	6 333	254 875	5 706	1 791	14 339	3 402	791	3 952	5 897	297
University Hospital Centre	2	2 944	139 596	2 867	827	7 858	1 846	401	2 285	3 130	196
University Hospital Centre Zagreb		1 795	83 183	1 636	485	4 947	1 119	290	1 295	2 060	183
Clinical Hospital Centre Sestre Milosrdnice		1 149	56 413	1 231	342	2 911	727	111	990	1 070	13
Clinical hospitals	3	1 472	67 845	2 068	409	3 768	1 001	172	968	1 539	88
Clinical Hospital Dubrava		652	27 436	1 119	176	1 677	456	95	439	623	67
Clinical Hospital Sveti Duh		484	22 227	545	144	1 155	288	52	234	581	-
Clinical Hospital Merkur		336	18 182	404	89	936	257	28	295	335	21
Clinics	3	1 070	32 212	358	337	1 603	307	114	383	793	6
"Dr. Fran Mihaljević" Clinic		214	5 294	280	55	498	88	33	129	242	6
Psychiatric Clinic Vrapče		650	14 075	64	227	502	84	45	93	280	-
Clinic for Paediatric Disease		206	12 843	14	55	603	135	36	161	271	-
Special hospitals ⁵⁾	10	847	15 222	413	218	1 110	248	104	316	435	7
Special Hospital for Pulmonary Diseases		100	1 528	288	19	129	32	4	28	59	6
Specialized Hospital for the Protection of Children with Neurological Development Impairment		60	2 991	0	17	173	11	29	90	43	-
Children's Hospital "Srebrnjak"		75	3 516	0	9	179	45	21	59	53	1
Psychiatric Hospital "Sveti Ivan"		551	5 843	125	161	297	61	32	53	151	-
Special Hospital for Children and Youth Psychiatry		37	721	0	10	71	19	13	14	25	-
Special Hospital Podobnik		13	518	0	2	24	5	1	2	16	-
Special Hospital Svjetlost		-	-	-	-	42	24	-	2	16	-
Special Hospital Aksis		-	-	-	-	11	3	-	4	4	-
Special Hospital "Agram"		11	105	0	0	112	37	4	28	43	-
Special Hospital "Arithera"		-	-	-	-	72	11	-	36	25	-

¹⁾ According to the Annual Report on the Work of Hospitals (Form 3-21-60).

²⁾ Data refers to the total number of beds, and not exclusively the beds that are provided according to the agreement concluded with the Croatian Health Insurance Fund.

³⁾ The number of doctors also includes specialists – staff from the School of Medicine, staff from the School of Dental Medicine, and specialty trainees.

⁴⁾ Health workers and health associates of a high level of professional education. Administrative and technical staff has not been not included.

⁵⁾ See Notes on Methodology.

Source: Croatian Institute of Public Health

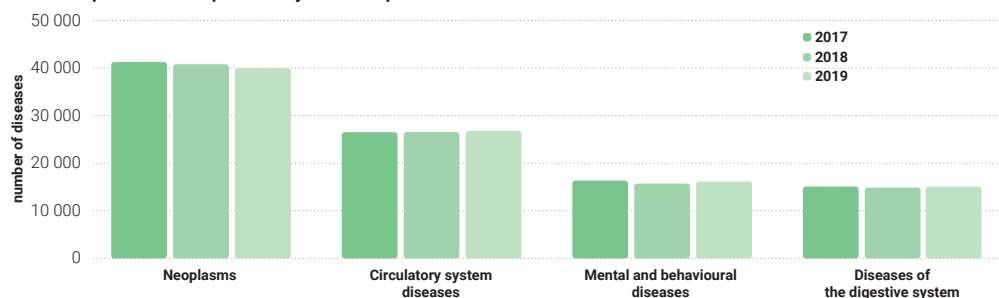
3.20 Hospitalisation of patients by disease groups¹⁾

Disease group	Total number of admissions		Admissions of persons over the age of 65			
	Number of admissions		Share, %	Number of admissions		Share, %
	2018	2019	2019	2018	2019	2019
Total	225 970	227 380	100.0	72 804	74 021	100.0
Infectious and parasitic diseases	4 486	4 607	2.0	2 392	2 486	3.4
Neoplasms	40 826	40 104	17.6	16 943	17 013	23.0
Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism	1 701	1 515	0.7	731	657	0.9
Endocrine, nutritional and metabolic diseases	6 210	5 881	2.6	1 945	1 888	2.6
Mental and behavioural disorders	15 837	16 216	7.1	2 344	2 404	3.2
Diseases of the nervous system	5 904	6 160	2.7	1 357	1 389	1.9
Diseases of the eye and adnexa	8 205	7 278	3.2	4 866	4 243	5.7
Diseases of the ear and mastoid process	1 216	1 183	0.5	162	177	0.2
Diseases of the circulatory system	26 572	26 857	11.8	15 544	15 867	21.4
Diseases of the respiratory system	12 550	13 205	5.8	4 336	4 584	6.2
Diseases of the digestive system	14 909	15 068	6.6	5 240	5 342	7.2
Diseases of the skin and subcutaneous tissue	2 437	2 513	1.1	661	755	1.0
Diseases of the musculoskeletal system and connective tissue	9 464	9 529	4.2	2 904	3 069	4.1
Diseases of the genitourinary system	12 135	12 031	5.3	4 200	4 454	6.0
Pregnancy, childbirth and the puerperium	15 455	15 074	6.6	-	-	0.0
Certain conditions originating in the perinatal period	2 479	2 704	1.2	-	-	0.0
Congenital malformations, deformations and chromosomal abnormalities	3 295	3 355	1.5	62	55	0.1
Symptoms, signs, and abnormal clinical and laboratory findings, not elsewhere classified	6 057	5 928	2.6	1 493	1 352	1.8
Injury, poisoning and certain other consequences of external causes	13 084	13 117	5.8	4 629	4 725	6.4
Factors influencing health status and contact with health services	23 148	25 055	11.0	2 995	3 561	4.8

¹⁾ Disease groups classified according to the International Classification of Diseases – 10th Revision, 2012.

Source: Croatian Institute of Public Health and Department of Public Health Gerontology – Reference Centre of the Ministry of Health of the Republic of Croatia for Health Protection of the Elderly – Centre for Health Gerontology of the Andrija Štampar Teaching Institute of Public Health, processing: COSPDC – Department of Statistical and Analytical Affairs

G 3.1 Hospitalisation of patients by most frequent diseases



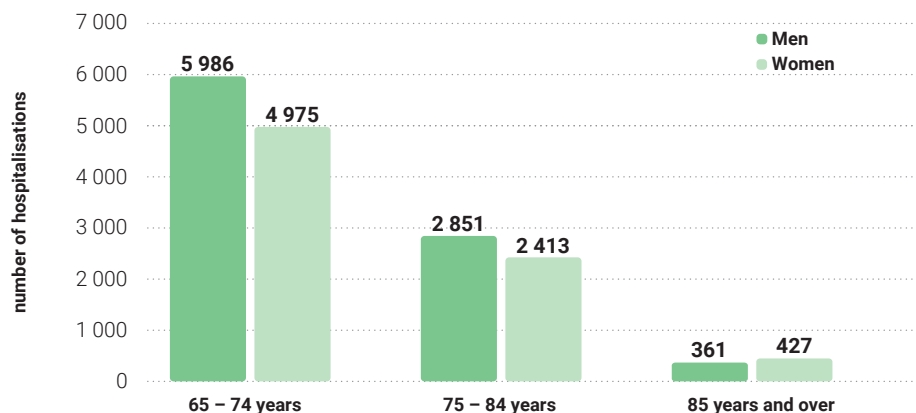
Source: Croatian Institute of Public Health and Reference Centre of the Ministry of Health of the Republic of Croatia for Health Protection of the Elderly – Centre of Health Gerontology of the Andrija Štampar Teaching Institute of Public Health

3.21 Hospitalisation of patients due to neoplasms

	Number of admissions			Indices	
	2017	2018	2019	$\frac{2018}{2017}$	$\frac{2019}{2018}$
Total	41 275	40 826	40 104	98.9	98.2
Age of patients					
0 – 64 years	24 399	23 883	23 091	97.9	96.7
65 and over	16 876	16 943	17 013	100.4	100.4

Source: Croatian Institute of Public Health and Reference Centre of the Ministry of Health of the Republic of Croatia for Health Protection of the Elderly – Centre for Health Gerontology of the Andrija Štampar Teaching Institute of Public Health, processing: COSPDC – Department of Statistical and Analytical Affairs

G 3.2 Hospitalisation of patients over the age of 65 due to neoplasms by age and sex of patients in 2019



Source: Croatian Institute of Public Health and Reference Centre of the Ministry of Health of the Republic of Croatia for Health Protection of the Elderly – Centre of Health Gerontology of the Andrija Štampar Teaching Institute of Public Health

3.22 Hospitalisation of patients due to circulatory system diseases

	Number of admissions			Indices	
	2017	2018	2019	$\frac{2018}{2017}$	$\frac{2019}{2018}$
Total	26 641	26 572	26 857	99.7	100.1
Age of patients					
0 – 64 years	11 251	11 028	10 990	98.0	99.7
65 and over	15 390	15 544	15 867	101.0	102.0

Source: Croatian Institute of Public Health and Reference Centre of the Ministry of Health of the Republic of Croatia for Health Protection of the Elderly – Centre for Health Gerontology of the Andrija Štampar Teaching Institute of Public Health; processing: COSPDC – Department of Statistical and Analytical Affairs

3.23 Hospitalisation of patients due to mental and behavioural disorders

	Number of admissions			Indices	
	2017	2018	2019	$\frac{2018}{2017}$	$\frac{2019}{2018}$
Total	16 287	15 837	16 216	97.2	102.3
Age of patients					
0 – 64 years	13 692	13 493	13 812	98.5	102.3
65 and over	2 595	2 344	2 404	90.3	102.5

Source: Croatian Institute of Public Health and Reference Centre of the Ministry of Health of the Republic of Croatia for Health Protection of the Elderly – Centre for Health Gerontology of the Andrija Štampar Teaching Institute of Public Health; processing: COSPDC – Department of Statistical and Analytical Affairs

3.24 Hospitalisation of patients due to diseases of the digestive system

	Number of admissions			Indices	
	2017	2018	2019	$\frac{2018}{2017}$	$\frac{2019}{2018}$
Total	15 059	14 909	15 068	99.0	101.1
Age of patients					
0 – 64 years	9 852	9 669	9 726	98.1	100.6
65 and over	5 207	5 240	5 342	100.6	101.9

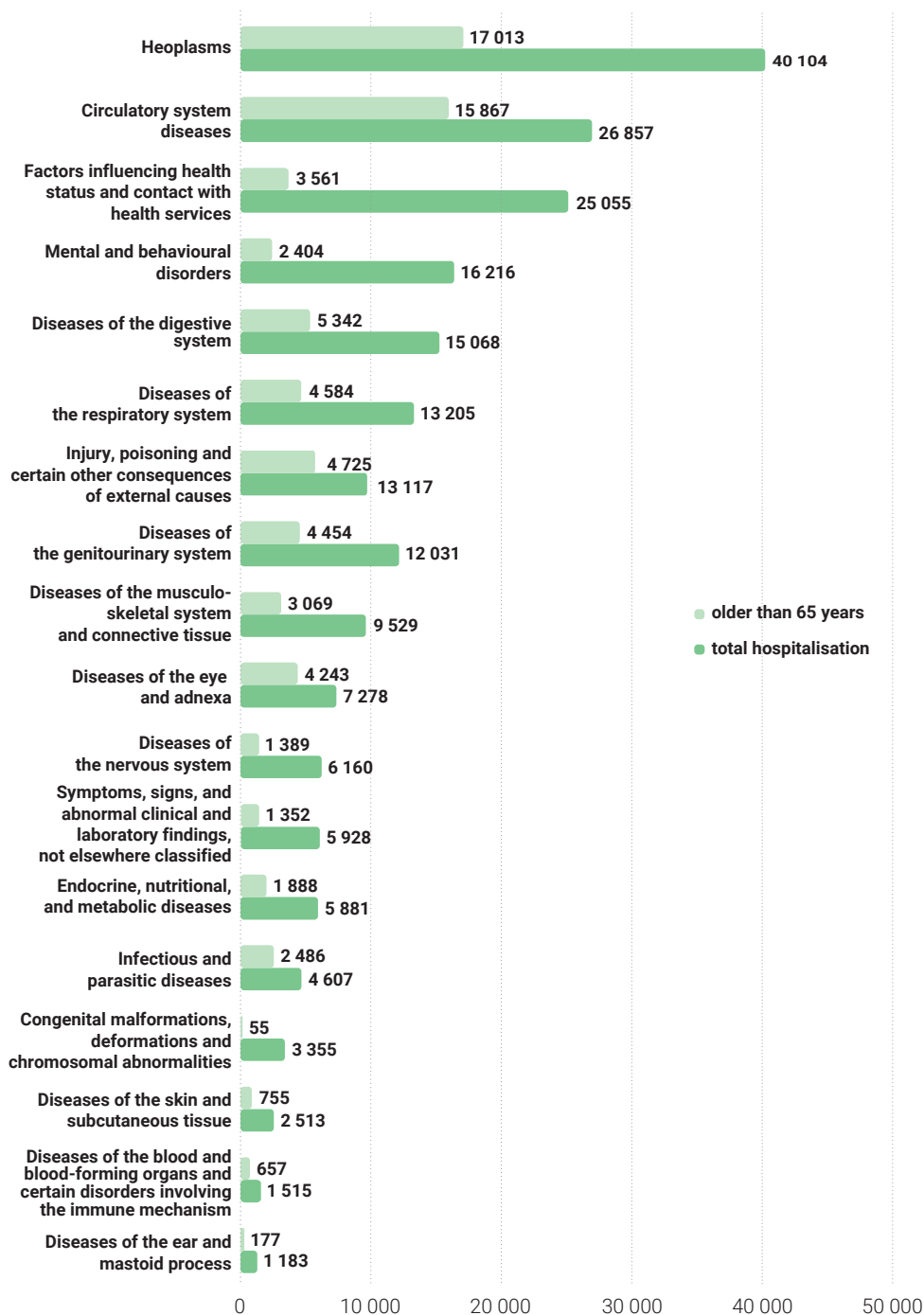
Source: Croatian Institute of Public Health and Reference Centre of the Ministry of Health of the Republic of Croatia for Health Protection of the Elderly – Centre for Health Gerontology of the Andrija Štampar Teaching Institute of Public Health; processing: COSPDC – Department of Statistical and Analytical Affairs

3.25 Leading causes of hospitalizations over the age of 65 according to diagnoses in 2019

	Number of hospitalizations			Share, %		
	Total	Men	Women	Total	Men	Women
Total	74 021	36 937	37 084	100.00	49.90	50.10
Diagnosis						
Senile cataracts and other retinal disorders	1 466	503	963	1.98	0.68	1.30
Cerebral infarction	1 970	888	1 082	2.66	1.20	1.46
Secondary neoplasm of respiratory and digestive organs	1 600	901	699	2.16	1.22	0.94
Angina pectoris	1 857	1 127	730	2.51	1.52	0.99
Other sepsis	1 667	783	884	2.25	1.06	1.19
Pneumonia, of unspecified cause	1 436	805	631	1.94	1.09	0.85

Source: Croatian Institute for Public Health and Teaching Institute of Public Health "Dr Andrija Štampar"; processing: COSPDC – Department of Statistical and Analytical Affairs

G 3.3 Hospitalisation frequency ranking by disease groups in 2019



Source: Croatian Institute of Public Health and Reference Centre of the Ministry of Health of the Republic of Croatia for Health Protection of the Elderly – Centre of Health Gerontology of the Andrija Štampar Teaching Institute of Public Health

The number of users of financial aid for social welfare and persons with disabilities in 2019 has increased by 1.7% compared to 2015.

The value of average annual allowance per child in 2019 was 4 928 kuna and is higher by 2.6% compared to 2015.

04

Social welfare



Photo: M. Vrdoljak, ZTB

NOTES ON METHODOLOGY

Data sources

Data on social welfare and services of the City of Zagreb, according to various groups of users was acquired from the City Office for Social Protection and People with Disabilities. Data on financial aid for the equipment of a newborn was acquired from the City Office for Demography.

Data on social benefits for children are supplied by the Croatian Pension Insurance Institute and Croatian Health Insurance Fund.

Social benefits and services of the City of Zagreb are based on the Social Welfare Act (Official Gazette Nos 157/13, 152/14, 99/15, 52/16, 16/17, 130/17, 98/19 and 64/20) and the Decision on Social Welfare (Official Gazette of the City of Zagreb Nos 26/14, 19/15, 06/16, 16/16, 23/16, 4/19, 6/20 and 17/20).

Social benefits for children are regulated by the Child Benefit Act (Official Gazette, Nos 94/01, 138/06, 107/07, 37/08, 61/11, 112/12, 82/15 and 58/18) and the Maternity and Parental Assistance Act (Official Gazette, Nos 85/08, 110/08, 34/11, 54/13, 152/14 and 59/17), while the payment of financial aid for newborn essentials is regulated by the Decision on Financial Aid for Newborn Essentials (Official Gazette of the City of Zagreb, Nos 8/09, 20/10, 6/11, 12/11, 17/11, 23/16 and 2/17 – consolidated version).

Coverage and comparability

Provision of adequate care to socially vulnerable citizens of Zagreb is carried out through designing, implementing and monitoring of programmes, measures and activities aimed at generally improving the living conditions of all the citizens of Zagreb. This especially pertains to the poor and socially excluded groups, the elderly and infirm, children and the youth, persons with disabilities, social welfare beneficiaries, unemployed persons, single parents, families with several children, mentally ill persons, victims of domestic violence, the homeless, and other vulnerable categories of citizens.

Definitions and explanations

Social welfare is an organised activity of public interest to the Republic of Croatia, the aim of which is to provide assistance to socially vulnerable

persons and persons in unfavourable personal or family circumstances. This activity includes prevention, promotion of change, assistance in providing for the essentials for living, and support to individuals, families and groups. Its aim is to improve the quality of life and empower the beneficiaries to independently provide for their essentials for living, as well as to have an active role in the society.

Social welfare centres and its branches are institutions that provide, under the Social Welfare Act, professional and welfare services in different forms to the persons in need.

Social welfare beneficiary is a person who has been granted, once or several times during the reference year, any form of social benefit. Law regulates the concept of social welfare beneficiaries.

The programme of support in the local community "Gerontology Centers of the City of Zagreb" is a recognizable model of care for the elderly in Zagreb that allows retirees and senior citizens living in their homes meet various needs in their local community. The programme is implemented through assistance in meeting existential needs (help at home and borrowing of orthopedic aids), numerous sports - recreational, cultural - entertainment and work and creative activities, counseling and health and prevention activities.

The City of Zagreb is in charge of eleven homes for the elderly. The scope and intensity of accommodation services for adults provided by such homes are in line with the Ordinance on Minimum Requirements for the Provision of Social Services (Official Gazette 40/14, 66/15 and 56/20). Pursuant to the Ordinance, social services are divided into four intensity levels of accommodation of elderly persons as follows:

1. the first-level service is provided to a functionally independent beneficiary who can meet his/her needs independently and whose health condition does not call for engagement of others
2. the second-level service is provided to a partially dependent beneficiary who needs assistance of others to meet his/her needs fully
3. the third-level service is provided to a functionally dependent beneficiary who needs assistance of others to meet his/her needs fully

4. the fourth-level service is provided to a beneficiary who needs assistance and supervision of others to meet his/her needs fully due to Alzheimer's or other types of dementia (moderate/moderately severe stage).

Child benefit is a cash benefit used by a parent or other person designated by the Maternity and Parental Assistance Act for assistance, maintenance and raising of children. The right to receiving child benefit is acquired and exercised depending on the number of children and the amount of total income of the beneficiary's household members and other conditions stipulated by law.

Cash assistance for a newborn child is a one-time cash assistance and may be used by all persons who have health insurance, under the conditions set out in the Maternity and Parental Assistance Act.

Cash assistance for the equipment of a newborn child is provided by the City of Zagreb within the City's pronatalist policy and based on the Decision on cash assistance for the equipment of a newborn child, which determines the conditions, the amount of cash assistance, and the way of exercising the right to cash assistance for a newborn child.

ESSPROS (European System of Integrated Social Protection Statistics) is a harmonised system serving as means of analysis and comparison of flow of funds in relation to social care. It contains a database on expenditures and receipts in relation to social care and social benefits in the EU member states. The use of ESSPROS methodology enables a comprehensive and coherent description of social protection in the EU member states and candidate countries, financing of social benefits and a system practical for international comparison and alignment with other statistics.

Social protection includes all interventions (grant of monetary and non-monetary benefits, their financing and the related administrative expenses) of public or private bodies aimed at easing financial burdens on households and individuals in relation to the ascertained risks and needs, under the condition that no simultaneous mutual or single act is undertaken.

Social care expenditures according to the economic type (indicator of reason for expenditure), according to ESSPROS methodology, have been grouped into three main categories of expenditures. The first category encompasses social benefit expenditures, i.e. means that are given to users

in the form of money or goods and services.

The second category of expenditures refers to administration costs of programmes managed by the institutional unit (local administration). The third category includes the transfer of funds to non-governmental organisations under the control of the local unit, aimed at the financing of specific projects and/or programmes in relation to social protection they provide.

Social protection expenditures according to functions, in line with the ESSPROS methodology, have been classified into eight social protection functions:

1. **Sickness/Health care** regards income maintenance and support in cash in connection with physical or mental illness, excluding disability. Health care regards the maintenance, restoration or improvement of health of the people protected irrespective of the origin of the disorder.
2. **Disability** regards income maintenance and support in cash or kind (except health care) in connection with the inability of physically or mentally disabled people to engage in economic and social activities.
3. **Old age** regards income maintenance and support in cash or kind (except health care) in connection with old age.
4. **Survivors** regards income maintenance and support in cash or kind in connection with the death of a family member.
5. **Family/Children** regards support in cash or kind (except health care) in connection with the costs of pregnancy, childbirth and adoption, bringing up children and caring for other family members.
6. **Unemployment** regards income maintenance and support in cash or kind in connection with unemployment.
7. **Housing** regards income maintenance and support in cash or kind in connection with unemployment.
8. **Social exclusion not elsewhere classified** regards benefits in cash or kind (except health care) specifically intended to combat social exclusion where they are not covered by one of the other functions.

4.1 Social benefits and services of the City of Zagreb

Type of benefit	Number of beneficiaries				
	2015	2016	2017	2018	2019
Allowance for social protection and people with disabilities					
Allowance to pensioners	12 223	11 766	11 731	9 753	8 103
For supplementary health insurance premium (measure from 2016)	-	3 116	3 351	2 722	2 193
For beneficiaries of basic needs allowance and for beneficiaries of disability allowance	10 426	10 826	11 405	12 264	13 683
For personal needs (personal allowance) for beneficiaries of homes for the elderly and the disabled	363	350	320	317	323
For persons with recognised status of parent caregiver, or the status of caregiver (measure from 2015)	32	46	61	71	87
Allowance for housing costs	2 765	2 960	2 783	2 527	2 223
For heating costs	2 020	2 327	2 161	1 936	1 697
Other benefits and services					
Provision of dairy products for children	111	82	50	41	32
Provision of "family packages"	446	355	308	278	244
Provision of packages for children on Easter and Saint Nicholas Day	7 200*	7 200*	7 200*	7 000	6 600
Vacation	1 187	1 185	1 070	1 025	762
Meals in soup kitchens	4 529	3 987	3 154	2 727	2 325
Entitlement to free transit pass by ZET	86 406	81 637	82 898	74 467	70 518
House help	478	504	501	473	536
Coverage of funeral expenses	25	44	35	36	34
Health care for persons without health insurance	3 036	2 725	2 709	2 564	2 471

Source: CO for Social Protection and People with Disabilities

4.2 Protection of persons with disabilities

Type of benefit	Number of users				
	2015	2016	2017	2018	2019
Recreational and therapeutic vacation programmes for people with disabilities and children with developmental difficulties	400	382	396	398	361
Entitlement to free transit pass by ZET – people with disabilities	12 237	12 306	12 250	13 458	12 140
Entitlement to free transportation of persons with disabilities and children with developmental difficulties	1 100	1 300	1 402	1 644	1 487
Dental health care for children and adults with disabilities	1 085	1 323	1 250	1 169	1 012
Day Care Centre for Rehabilitation of Children and Young Adults "Mali Dom - Zagreb"	370	261	390	471	482
Rehabilitation Centre "Silver"	272	345	467	493	521

Source: CO for Social Protection and People with Disabilities

4.3 Centers of gerontology of the City of Zagreb

Type of benefit	Number of beneficiaries				
	2015	2016	2017	2018	2019
In-home assistance	...	110	146	160	215
Individual and group counselling	926	1 132	841	752	804
Sports and recreation groups	1 904	2 045	1 751	1 928	2 200
Cultural/entertainment and working/creative groups	2 060	1 641	1 748	1 719	2 338
Public discussions and lectures	2 002	2 040	1 945	2 080	2 204
Various activities and manifestations	5 403	5 552	5 267	5 056	6 037

Source: CO for Social Protection and People with Disabilities

4.4 Beneficiaries of homes for the elderly

Status as of 31 December

Homes for the elderly	Total			First-level service			Second-level service			Third-level service			Fourth-level service		
	2017	2018	2019	2017	2018	2019	2017	2018	2019	2017	2018	2019	2017	2018	2019
Total	3 945	3 856	3 869	1 617	1 702	1 686	913	560	585	1 396	1 446	1 503	19	148	95
Centar	350	347	340	144	129	122	59	25	42	147	145	137	-	48	39
Dubrava	124	131	127	42	55	55	36	19	17	46	52	48	-	5	7
Ksaver	252	254	257	133	138	136	34	19	24	85	84	83	-	13	14
Maksimir	553	422	423	226	179	184	119	44	48	208	189	181	-	10	10
Medveščak	358	356	357	236	235	236	26	29	27	84	81	82	12	11	12
Park	301	346	359	116	112	108	64	71	77	114	154	161	7	9	13
Peščenica	334	334	334	132	137	132	66	65	65	136	132	137	-	-	-
Sveta Ana	310	301	308	131	159	165	107	12	9	72	130	134	-	-	-
Sveti Josip	353	353	354	153	151	136	133	71	91	67	79	127	-	52	-
Trešnjevka	620	622	620	130	224	241	153	81	67	337	317	312	-	-	-
Trnje	390	390	390	174	183	171	116	124	118	100	83	101	-	-	-

Source: CO for Social Protection and People with Disabilities

4.5 Governmental benefits for children

	Children's allowance				Number of paid baby bonuses ¹⁾
	Number of beneficiaries	Number of children	Paid children's allowance, thousands of HRK	Average annual allowance per child, HRK	
2015	23 865	44 695	214 582	4 801	10 814
2016	22 270	41 956	201 971	4 814	10 993
2017	19 049	36 081	180 082	4 991	10 783
2018	16 605	31 715	170 950	5 390	11 200
2019	18 944	37 295	183 805	4 928	10 864

¹⁾ See Notes on Methodology.

Source: Croatian Pension Insurance Institute and Croatian Health Insurance Fund

4.6 Baby bonuses

	Number of paid baby bonuses to entitled beneficiaries	Sex, %	
		Male	Female
2015	22 414	42	58
2016	22 012	43	57
2017	22 030	43	57
2018	21 177	43	57
2019	20 614	42	58

Source: CO for Demography

4.7 Social protection expenditures according to ESSPROS methodology¹⁾

	Thousands of HRK		
	2017	2018	2019
Social protection expenditures – total	1 471 360	1 520 848	1 621 752
Social protection expenditures per functions	1 447 510	1 497 902	1 599 632
Sickness/Health care	6 950	5 464	4 072
Disability	58 703	61 608	62 273
Old Age	144 235	126 511	127 866
Survivors	1 381	1 130	1 023
Family/Children	1 185 013	1 259 300	1 364 956
Unemployment	6 557	4 909	3 624
Housing	1 782	1 619	1 307
Social exclusion not elsewhere classified	42 889	37 361	34 511
Administrative expenditures	1 196	1 001	948
Other expenditures (transfers of funds to NGOs)	22 654	21 945	21 172

¹⁾ See Notes on Methodology.

Source: CO for Social Protection and People with Disabilities

In 2019, the number of pension insurance users equalled amounted to 461 558, representing a 2.5% growth in comparison to 2018, while the average pension in 2019 equalled 3 321 kuna, an increase by 4.0% per cent compared to 2018.

05

Pension insurance



Photo: M. Vrdoljak, ZTB

NOTES ON METHODOLOGY

Data sources

Data on pension insurance are supplied by the Croatian Pension Insurance Institute.

Definitions and explanations

Insured persons are persons insured on compulsory basis under the Pension Insurance Act (OG Nos 157/13, 151/14, 33/15, 93/15, 120/16, 18/18, 62/18 and 115/18).

Pension beneficiary (disability pension, old-age pension or survivors' pension) is a person who is entitled to a pension based on the Pension Insurance Act.

Years of employment represent the period of insurance under the Pension Insurance Act, based on which a person can exercise his or her rights to a pension.

Data on pension beneficiaries do not include data on pension beneficiaries of the Croatian Army, or the data on the Croatian Homeland War veterans of the City of Zagreb.

5.1 Insurance beneficiaries by insurance basis and sex

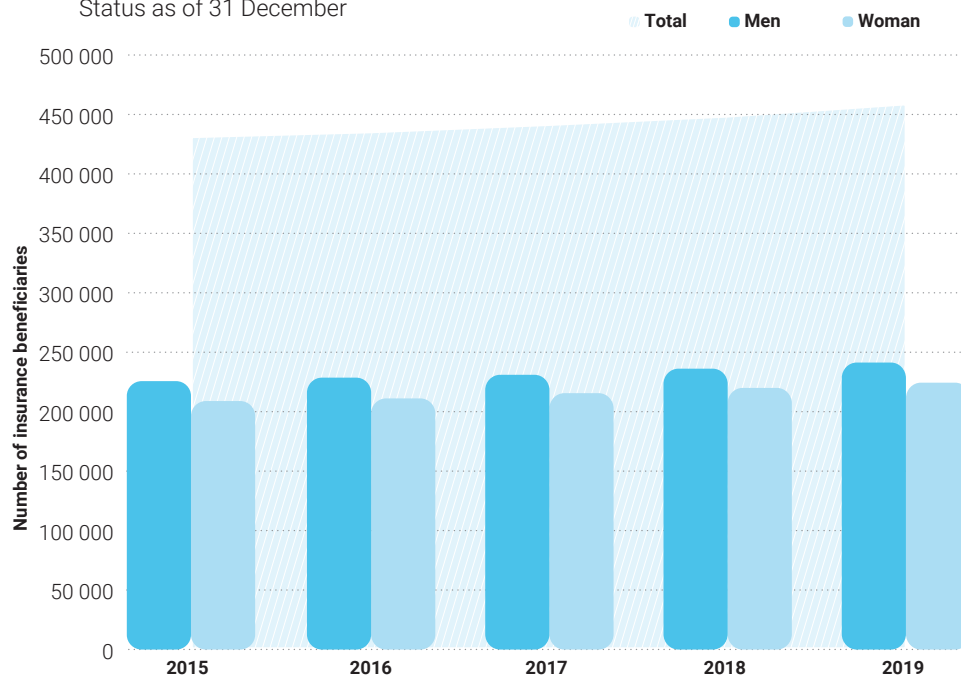
Status as of 31 December

	Number of insurance beneficiaries					
	2018			2019		
	Total	Men	Women	Total	Men	Women
Total	450 287	233 934	216 353	461 558	240 758	220 800
Employed persons and persons of equal status	434 196	224 467	209 729	443 963	230 427	213 536
Craftsmen and professional services	15 566	9 130	6 436	17 086	10 009	7 077
Farmers	525	337	188	509	322	187

Source: Croatian Pension Insurance Institute

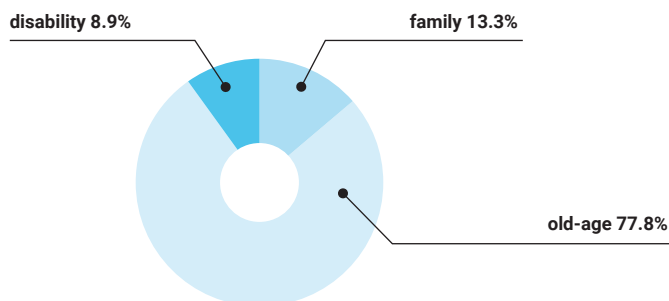
G 5.1 Insurance beneficiaries by sex

Status as of 31 December



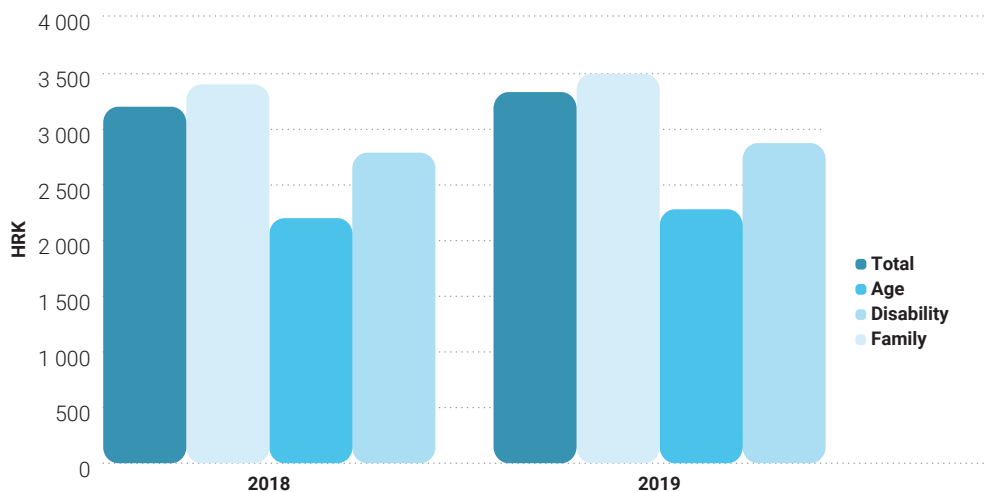
G 5.2 Pension beneficiaries by type of pension

Status as of 31 December 2019



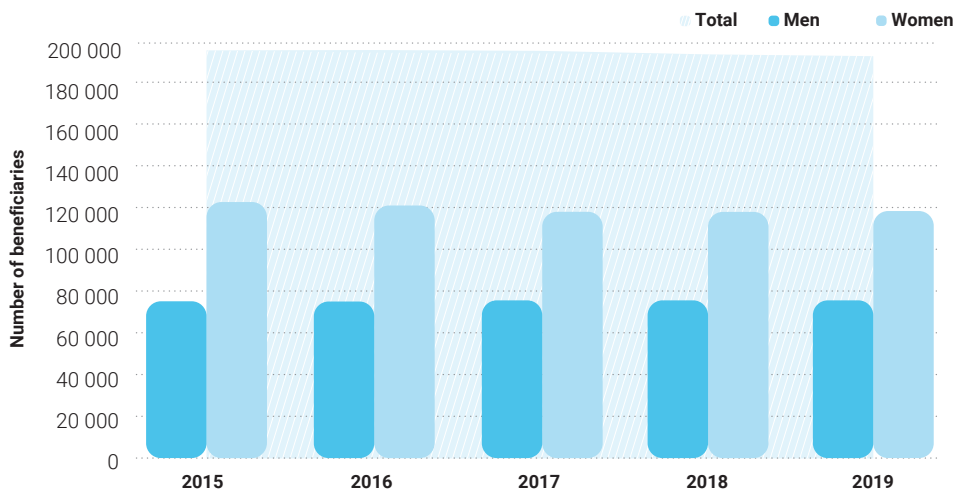
G 5.3 Average pension by type of pension

Status as of 31 December



G 5.4 Pension beneficiaries by sex

Status as of 31 December



5.2 Pension beneficiaries according to the Pension Insurance Act and by sex

Status as of 31 December

	2018 ³⁾			2019 ³⁾		
	Total	Men	Women	Total	Men	Women
Total						
Number of beneficiaries	194 391	75 209	119 182	193 807	75 097	118 710
Average length of service	32	34	31	32	34	32
Average monthly pension in HRK ¹⁾	3 193	3 518	2 987	3 321	3 645	3 116
Old-age pension						
Number of beneficiaries	149 875	62 182	87 693	150 789	62 807	87 982
Average length of service	34	36	32	34	36	32
Average monthly pension in HRK ¹⁾	3 391	3 771	3 121	3 519	3 891	3 253
Disability pension						
Number of beneficiaries	18 268	10 474	7 794	17 178	9 705	7 473
Average length of service	22	23	21	22	23	21
Average monthly pension in HRK ¹⁾	2 174	2 327	1 969	2 253	2 403	2 057
Family pension²⁾						
Number of beneficiaries	26 248	2 553	23 695	25 840	2 585	23 255
Average length of service	31	25	32	31	25	32
Average monthly pension in HRK ¹⁾	2 771	2 253	2 826	2 876	2 331	2 937

¹⁾ Average monthly pensions are reduced for tax and surtax. Since July 2009, the pensions were reduced for special tax pursuant to the Act on Special Tax on Earnings, Pensions and Other Income (Official Gazette No. 94/09), which was in force until 1 November 2010 (Official Gazette No. 94/09).

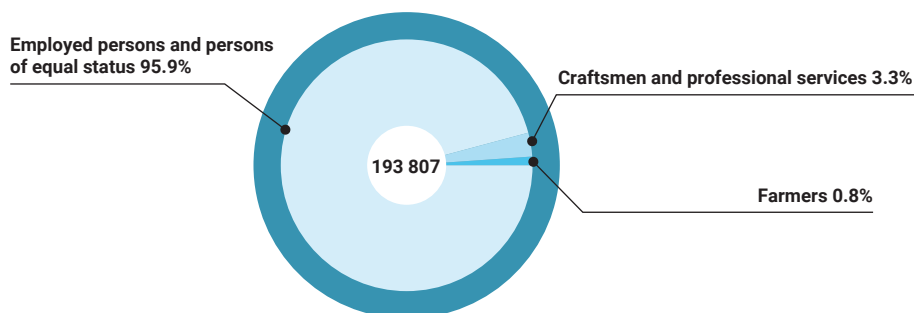
²⁾ Regarding family pensions, sex refers to the person (heir) to whom the pension is paid, while length of service refers to beneficiaries from whom the pension rights have been inherited.

³⁾ See Notes on Methodology.

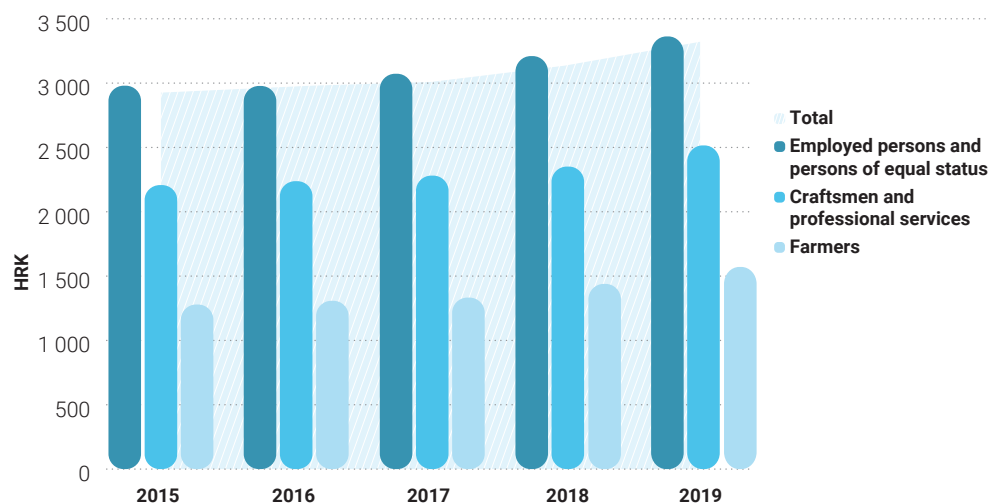
Source: Croatian Pension Insurance Institute

G 5.5 Pension beneficiaries by insurance eligibility criteria

Status as of 31 December 2019



G 5.6 Average monthly pension by insurance eligibility criteria, Status as of 31 December



5.3 Pension beneficiaries according to the Pension Insurance Act, insurance eligibility criteria, and sex

Status as of 31 December

	2018 ³⁾			2019 ³⁾		
	Total	Men	Women	Total	Men	Women
Employed persons and persons of equal status						
Total						
Number of beneficiaries	186 459	71 000	115 459	185 863	70 838	115 025
Average length of service	32	34	32	33	34	32
Average monthly pension in HRK ¹⁾	3 233	3 578	3 021	3 363	3 707	3 151
Age pension						
Number of beneficiaries	143 985	58 868	85 117	144 762	59 358	85 404
Average length of service	34	36	32	34	36	33
Average monthly pension in HRK ¹⁾	3 434	3 835	3 156	3 563	3 958	3 289
Disability pension						
Number of beneficiaries	17 160	9 683	7 477	16 169	8 998	7 171
Average length of service	22	23	21	22	23	21
Average monthly pension in HRK ¹⁾	2 187	2 346	1 980	2 265	2 422	2 068
Family pension²⁾						
Number of beneficiaries	25 314	2 449	22 865	24 932	2 482	22 450
Average length of service	31	26	32	31	26	32
Average monthly pension in HRK ¹⁾	2 803	2 283	2 859	2 909	2 359	2 969

5.3 Pension beneficiaries according to the Pension Insurance Act, insurance eligibility criteria, and sex

(Continued)

Status as of 31 December

	2018 ³⁾			2019 ³⁾		
	Total	Men	Women	Total	Men	Women
Craftsmen						
Total						
Number of beneficiaries	6 395	3 786	2 609	6 465	3 844	2 621
Average length of service	30	31	28	30	31	29
Average monthly pension in HRK ¹⁾	2 421	2 600	2 161	2 524	2 706	2 258
Old-age pension						
Number of beneficiaries	4 605	2 971	1 634	4 765	3 099	1 666
Average length of service	32	33	30	32	33	30
Average monthly pension in HRK ¹⁾	2 587	2 755	2 281	2 687	2 851	2 381
Disability pension						
Number of beneficiaries	991	724	267	911	651	260
Average length of service	22	23	21	22	23	21
Average monthly pension in HRK ¹⁾	1 983	2 088	1 701	2 053	2 159	1 790
Family pension²⁾						
Number of beneficiaries	799	91	708	789	94	695
Average length of service	27	19	28	27	19	28
Average monthly pension in HRK ¹⁾	2 009	1 616	2 059	2 086	1 701	2 138
Farmers						
Total						
Number of beneficiaries	1 537	423	1 114	1 479	415	1 064
Average length of service	22	25	21	22	26	21
Average monthly pension in HRK ¹⁾	1 477	1 723	1 383	1 580	1 847	1 475
Old-age pension						
Number of beneficiaries	1 285	343	942	1 262	350	912
Average length of service	23	26	21	23	26	22
Average monthly pension in HRK ¹⁾	1 461	1 655	1 391	1 567	1 787	1 482
Disability pension						
Number of beneficiaries	117	67	50	98	56	42
Average length of service	21	22	20	21	22	19
Average monthly pension in HRK ¹⁾	2 015	2 189	1 781	2 146	2 343	1 884
Family pension²⁾						
Number of beneficiaries	135	13	122	119	9	110
Average length of service	16	19	16	16	17	16
Average monthly pension in HRK ¹⁾	1 157	1 117	1 162	1 252	1 119	1 263

¹⁾ Average monthly pensions are reduced for tax and surtax. Since July 2009, the pensions were reduced for special tax pursuant to the Act on Special Tax on Earnings, Pensions and Other Income (Official Gazette No. 94/09), which was in force until 1 November 2010 (Official Gazette No. 91/10).

²⁾ Regarding family pensions, sex refers to the person (heir) to whom the pension is paid, while length of service refers to beneficiaries from whom the pension rights have been inherited.

³⁾ See Notes on Methodology.

Source: Croatian Pension Insurance Institute

In 2019 the total number of employees was 437 624, which is an increase by 8 079 or 1.9% compared to 2018.

06

Employment



Photo: M. Vrdoljak, ZTB

NOTES ON METHODOLOGY

Source and method of data collection

The number of employed persons as at 31 March was obtained based on the regular annual statistical survey conducted by the Croatian Bureau of Statistics. Data are collected by virtue of a report (RAD 1G form) which legal entities fill out based on their employment records.

Data on persons employed in crafts and trades, data on freelancers, as well as on employed insured persons who are farmers, are processed based on the records on active pension insurance beneficiaries kept by the Croatian Pension Insurance Institute – Central Office in Zagreb.

Coverage and comparability

Surveys on employed persons collect data from business entities (legal persons) regardless of the type of ownership and organisational form. They include employed persons, regardless of the type of employment and contractual working hours.

Data comprise the estimates of the number of persons employed in legal entities which have up to 10 employees, and which failed to submit the report (estimates based on the data in the annual statistical reports collected and analysed by the Financial Agency (FINA). Data do not include persons employed in crafts and trades, and farmers. Data on employed persons, according to the level of their professional qualifications, age and sex, type of employment and ownership, do not include the estimate on the number of persons employed in legal entities (legal persons) which have up to 10 employees and which failed to submit the report, since processing according to the above-mentioned elements can be done only based on submitted reports. Therefore, there is a discrepancy in the total number of persons employed in business entities and the number of persons employed according to the listed characteristics.

Data on persons employed in crafts and trades, and data on freelancers include owners and employees registered with the Croatian Pension Insurance Institute branch offices.

Since 2009, statistical data on employed persons and earnings have been processed and represented in accordance with the 2007 National Classification of Activities (NCA 2007), which has been in force since 2008 (OG 58/07 and 72/07).

Definitions and explanations

Employed persons are all persons who have signed an employment contract with an employer for a fixed or indefinite period of time, regardless of the agreed working hours and the type of ownership of the legal entity. Employed persons are trainees (apprentices), persons on maternity leave, persons on sick leave and persons who are absent from work for other reasons until termination of employment. In addition, employed persons are also persons who are self-employed in own company, enterprise, craft, or who are freelancers.

Level of professional qualifications is the highest level of education acquired by a person upon completing a specific school or course, or upon taking exams after which a certain level of education is acquired, or upon testing competence which is organized by a business entity. A person has to hold an appropriate official document (diploma, certificate, decision) for each acquired level of education. Persons who do not hold any of the afore-mentioned documents or the equivalents thereof are considered unqualified employees.

Unemployment

Definitions and explanations

Unemployed person is any person between 15 and 65 years of age, who is capable of working, registered with the Croatian Employment Service as a person seeking employment, who regularly reports to the Employment Service, but who is not employed or an owner or a majority owner (of more than 51% share in a company or other legal person), who is not self-employed in a professional or economic activity, who is not a majority owner or co-owner of more than 51% share in an agricultural holding, and who is not a pupil, student, or a retired person.

Newly registered unemployed persons are persons who have registered with the Croatian Employment Service as unemployed persons in the reference month.

Source and method of data collection

Data on unemployment are supplied by the Croatian Employment Service – Branch Office Zagreb. Such data are collected at the end of the year, i.e. on the last day of the year.

6.1 Employed persons

Status as of 31 March

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total	408 864	397 365	398 890	390 469	383 967	389 888	401 639	412 992	429 545	437 624
Persons employed in legal entities of any form of ownership ¹⁾	367 764	359 430	362 889	356 065	351 919	359 288	371 631	383 469	399 809	407 528
Persons employed in crafts and freelance activities	40 479	37 348	35 426	33 864	31 521	30 082	29 502	29 008	29 216	29 578
Farmers	621	587	575	540	527	518	506	515	520	518
Women	283	249	228	214	198	208	197	188	191	189

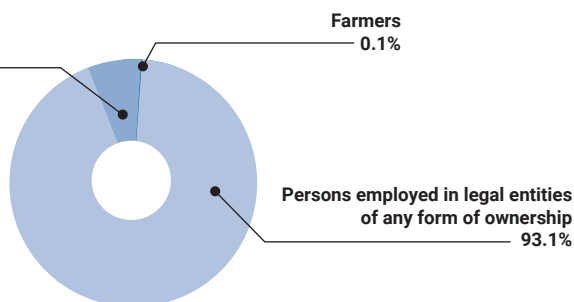
¹⁾ Data includes the estimated number of persons employed in legal entities that have fewer than ten employees, and for which no report has been received.

Source: CBS, Croatian Pension Insurance Institute; processing: COSPDC – Department of Statistical and Analytical Affairs

G 6.1 Employed persons,

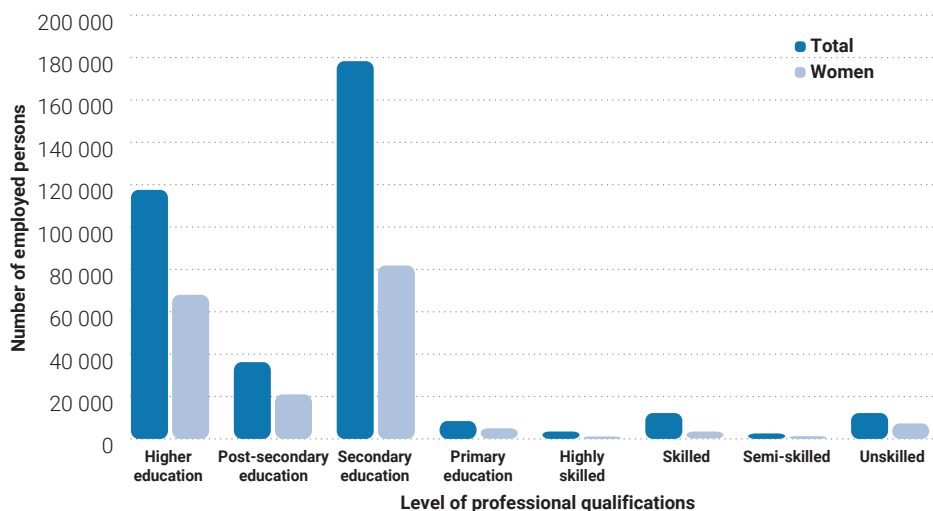
Status as of 31 March 2019

Persons employed in crafts and freelance activities
6.8%



G 6.2 Employed persons by level of professional qualifications and sex,

Status as of 31 March 2019



6.2 Employed persons¹⁾ by National Classification of Activities (NCA) 2007 sections and sex

Status as of 31 March

	2015		2016		2017		2018		2019	
	Total	Women	Total	Women	Total	Women	Total	Women	Total	Women
TOTAL	389 888	194 630	401 639	198 319	412 992	202 319	429 545	210 461	437 624	215 668
A Agriculture, forestry, and fishing	1 719	649	1 723	701	1 782	686	1 881	751	1 774	718
B Mining and quarrying	1 163	281	992	274	874	236	884	217	958	245
C Manufacturing	41 081	14 881	42 966	15 191	44 037	15 166	44 179	15 475	45 015	16 041
D Electricity, gas, steam, and air conditioning supply	3 411	997	3 276	1 024	3 427	1 072	4 257	1 524	4 407	1 582
E Water supply; sewerage, waste management, and remediation activities	3 459	502	3 666	521	3 984	641	4 417	712	4 744	837
F Construction	21 670	2 605	22 486	2 641	22 919	2 640	25 790	2 958	25 179	2 936
G Wholesale and retail trade; repair of motor vehicles and motorcycles	69 636	35 582	72 378	37 512	74 028	37 593	78 185	39 694	78 359	39 642
H Transportation and storage	19 358	4 988	20 038	5 287	20 761	5 066	20 603	4 893	20 706	4 972
I Accommodation and food service activities	14 764	7 059	16 174	7 263	17 937	8 365	18 109	8 715	18 882	9 291
J Information and communication	22 174	8 937	23 161	8 989	23 320	9 038	25 670	10 010	27 671	10 746
K Financial and insurance activities	20 040	13 349	19 966	13 361	20 261	13 498	20 147	13 436	19 915	13 289
L Real estate activities	3 501	1 883	4 155	1 926	4 495	2 185	5 040	2 568	5 195	2 603
M Professional, scientific, and technical activities	34 044	17 602	34 162	17 140	35 723	17 733	36 994	18 316	38 846	19 624
N Administrative and support service activities	20 822	9 244	22 151	9 784	23 950	10 940	24 622	11 300	23 988	11 199
O Public administration and defence; compulsory social security	33 924	17 988	34 507	18 524	34 429	18 321	34 612	18 946	35 434	19 281
P Education	28 769	21 649	29 329	22 110	28 914	21 844	30 307	22 817	30 931	23 282
Q Human health and social work activities	29 668	23 778	29 759	23 140	31 161	24 156	31 644	24 557	32 775	25 341
R Arts, entertainment, and recreation	9 522	5 126	9 323	4 968	9 677	5 131	10 421	5 459	10 785	5 666
S Other service activities	10 614	7 073	11 014	7 623	10 990	7 754	11 494	7 889	11 784	8 171
T Activities of households as employers; undifferentiated goods – and services – producing activities of households for own use	524	443	396	328	309	246	273	216	264	195
Persons unclassified by activities	25	14	17	12	14	8	16	8	12	7

¹⁾ Data includes the estimated number of persons employed in legal entities that have fewer than ten employees, and for which no report has been received.

Source: CBS, Croatian Pension Insurance Institute; processing: COSPDC – Department of Statistical and Analytical Affairs

6.3 Persons employed¹⁾ in legal entities by NCA 2007 sections and sex

Status as of 31 March

		2015		2016		2017		2018		2019	
		Total	Women	Total	Women	Total	Women	Total	Women	Total	Women
TOTAL		359 288	179 832	371 631	183 699	383 469	187 986	399 809	196 074	407 528	201 213
A	Agriculture, forestry, and fishing	1 050	388	1 100	438	1 139	441	1 218	495	1 112	467
B	Mining and quarrying	1 158	280	987	273	869	235	879	216	952	244
C	Manufacturing	36 897	13 042	38 942	13 417	40 205	13 486	40 447	13 783	41 395	14 414
D	Electricity, gas, steam, and air conditioning supply	3 411	997	3 276	1 024	3 427	1 072	4 257	1 524	4 407	1 582
E	Water supply; sewerage, waste management, and remediation activities	3 447	499	3 654	519	3 973	639	4 405	710	4 734	834
F	Construction	19 645	2 439	20 488	2 490	20 941	2 499	23 844	2 824	23 241	2 788
G	Wholesale and retail trade; repair of motor vehicles and motorcycles	65 831	33 897	68 739	35 871	70 643	36 087	74 897	38 240	75 144	38 228
H	Transportation and storage	17 294	4 898	17 959	5 203	18 673	4 978	18 520	4 809	18 663	4 887
I	Accommodation and food service activities	10 975	5 311	12 535	5 575	14 478	6 707	14 962	7 190	16 032	7 924
J	Information and communication	21 754	8 830	22 720	8 873	22 808	8 906	24 915	9 849	26 536	10 542
K	Financial and insurance activities	19 983	13 324	19 872	13 316	20 140	13 436	20 032	13 374	19 789	13 220
L	Real estate activities	3 416	1 844	4 079	1 886	4 413	2 141	4 945	2 524	5 089	2 554
M	Professional, scientific, and technical activities	29 668	15 100	29 804	14 642	31 287	15 203	32 317	15 686	33 804	16 779
N	Administrative and support service activities	20 086	8 824	21 355	9 316	23 170	10 498	23 702	10 791	23 021	10 672
O	Public administration and defence; compulsory social security	33 445	17 766	34 073	18 347	34 007	18 164	34 222	18 802	35 084	19 168
P	Education	28 630	21 597	29 166	22 035	28 723	21 747	30 033	22 681	30 587	23 109
Q	Human health and social work activities	27 321	21 906	27 393	21 252	28 758	22 235	29 261	22 645	30 372	23 408
R	Arts, entertainment, and recreation	8 122	4 624	7 981	4 486	8 353	4 639	9 013	4 927	9 324	5 103
S	Other service activities	7 155	4 266	7 508	4 736	7 462	4 873	7 940	5 004	8 242	5 290

¹⁾ Data includes the estimated number of persons employed in legal entities that have fewer than ten employees, and for which no report has been received.

6.4 Persons employed in crafts and freelance activities by NCA 2007 sections and sex

Status as of 31 March

		2015		2016		2017		2018		2019	
		Total	Women	Total	Women	Total	Women	Total	Women	Total	Women
TOTAL		30 082	14 590	29 502	14 412	29 008	14 145	29 216	14 196	29 578	14 266
A	Agriculture, forestry, and fishing	151	53	117	55	128	57	143	65	144	62
B	Mining and quarrying	5	1	5	1	5	1	5	1	6	1
C	Manufacturing	4 184	1 839	4 024	1 774	3 832	1 680	3 732	1 692	3 620	1 627
D	Electricity, gas, steam, and air conditioning supply	-	-	-	-	-	-	-	-	-	-
E	Water supply; sewerage, waste management and, remediation activities	12	3	12	2	11	2	12	2	10	3
F	Construction	2 025	166	1 998	151	1 978	141	1 946	134	1 938	148
G	Wholesale and retail trade; repair of motor vehicles and motorcycles	3 805	1 685	3 639	1 641	3 385	1 506	3 288	1 454	3 215	1 414
H	Transportation and storage	2 064	90	2 079	84	2 088	88	2 083	84	2 043	85
I	Accommodation and food service activities	3 789	1 748	3 639	1 688	3 459	1 658	3 147	1 525	2 850	1 367
J	Information and communication	420	107	441	116	512	132	755	161	1 135	204
K	Financial and insurance activities	57	25	94	45	121	62	115	62	126	69
L	Real estate activities	85	39	76	40	82	44	95	44	106	49
M	Professional, scientific, and technical activities	4 376	2 502	4 358	2 498	4 436	2 530	4 677	2 630	5 042	2 845
N	Administrative and support service activities	736	420	796	468	780	442	920	509	967	527
O	Public administration and defence; compulsory social security	479	222	434	177	422	157	390	144	350	113
P	Education	139	52	163	75	191	97	274	136	344	173
Q	Human health and social work activities	2 347	1 872	2 366	1 888	2 403	1 921	2 383	1 912	2 403	1 933
R	Arts, entertainment, and recreation	1 400	502	1 342	482	1 324	492	1 408	532	1 461	563
S	Other service activities	3 459	2 807	3 506	2 887	3 528	2 881	3 554	2 885	3 542	2 881
T	Activities of households as employers; undifferentiated goods – and services – producing activities of households for own use	524	443	396	328	309	246	273	216	264	195
	Persons unclassified by activities	25	14	17	12	14	8	16	8	12	7

Source: Croatian Pension Insurance Institute

6.5 Persons employed in legal entities by form of ownership

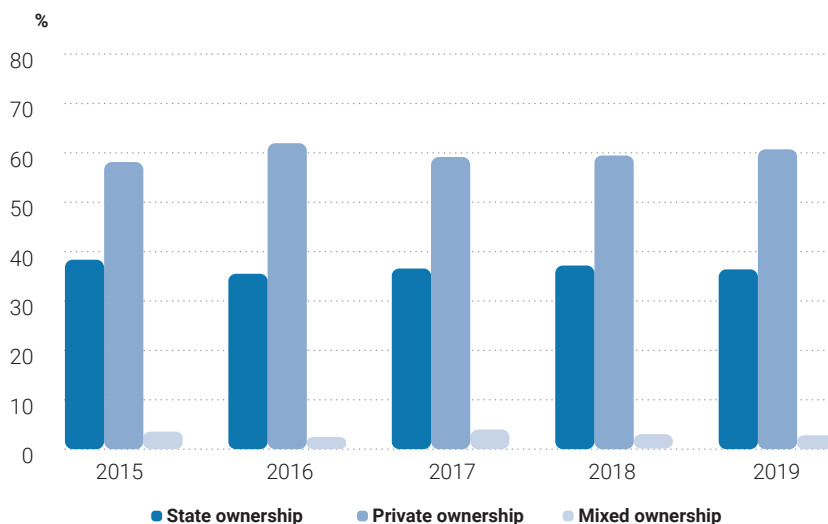
Status as of 31 March

	2015	2016	2017	2018	2019
	Number of employed persons				
Total	318 472	342 042	335 870	359 576	367 452
State ownership	122 063	121 538	123 685	133 914	134 551
Private ownership	184 431	211 718	198 329	213 687	222 476
Co-operative ownership	47	61	33	36	58
Mixed ownership	11 931	8 725	13 823	11 939	10 367
	Share of employed persons, %				
Total	100.0	100.0	100.0	100.0	100.0
State ownership	38.3	35.5	36.8	37.3	36.6
Private ownership	57.9	61.9	59.1	59.5	60.6
Co-operative ownership	0.0	0.0	0.0	0.0	0.0
Mixed ownership	3.8	2.6	4.1	3.2	2.8

Source: CBS; processing: COSPDC – Department of Statistical and Analytical Affairs

G 6.3 Share of persons employed in legal entities by form of ownership,

Status as of 31 March



6.6 Persons employed in legal entities by form of ownership and NCA 2007 sections

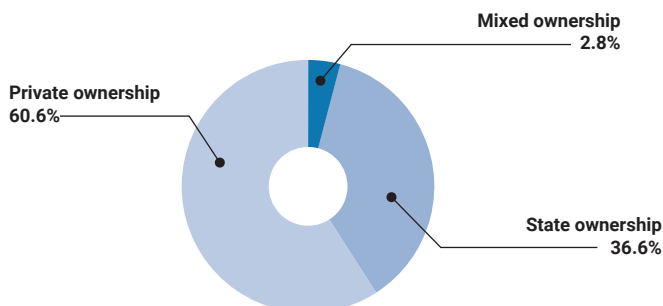
Status as of 31 March 2019

		Total	Ownership type			
			State	Private	Co-operative	Mixed
Total		367 452	134 551	222 476	58	10 367
A	Agriculture, forestry, and fishing	919	377	542	-	-
B	Mining and quarrying	942	2	94	-	846
C	Manufacturing	37 962	2419	33 489	14	2 040
D	Electricity, gas, steam, and air conditioning supply	4 312	3 836	321	-	155
E	Water supply; sewerage, waste management, and remediation activities	4 657	3 254	1 403	-	-
F	Construction	19 606	3 555	15 400	-	651
G	Wholesale and retail trade; repair of motor vehicles and motorcycles	66 679	549	65 134	21	975
H	Transportation and storage	17 036	10 037	5 655	-	1 344
I	Accommodation and food service activities	12 482	2 513	9 752	-	217
J	Information and communication	23 651	3 840	19 618	-	193
K	Financial and insurance activities	19 322	3 891	14 431	-	1 000
L	Real estate activities	4 167	869	3 283	-	15
M	Professional, scientific, and technical activities	25 829	4 087	20 768	10	964
N	Administrative and support service activities	21 412	1 924	19 477	-	11
O	Public administration and defence; compulsory social security	35 079	34 963	104	-	12
P	Education	30 097	27 416	2 345	-	336
Q	Human health and social work activities	29 743	24 950	3 735	13	1045
R	Arts, entertainment, and recreation	8 082	4 847	3 058	-	177
S	Other service activities	5 475	1 222	3 867	-	386

Source: CBS; processing: COSPDC – Department of Statistical and Analytical Affairs

G 6.4 Structure of persons employed in legal entities by form of ownership,

Status as of 31 March 2019



6.7 Persons employed in legal entities by level of professional qualifications and sex

Status as of 31 March

	2015	2016	2017	2018	2019
Total	318 472	342 042	335 870	359 576	367 452
Higher education	97 340	105 111	103 563	112 551	116 986
Doctors of Science	6 447	7 270	6 533	6 901	6 776
Masters of Science	4 731	4 799	3 894	4 059	4 226
Other	86 162	93 042	93 136	101 591	105 984
Post-secondary education	28 148	30 396	30 650	33 443	35 377
Secondary education	153 815	167 859	164 050	175 895	178 284
Primary education	7 641	7 273	7 676	8 383	7 802
Highly skilled	3 576	3 288	3 099	2 896	2 810
Skilled	13 358	13 274	12 264	11 752	11 788
Semi-skilled	3 249	2 850	2 946	2 789	2 541
Unskilled	11 345	11 991	11 622	11 867	11 864
Women	161 099	172 529	170 212	180 560	185 189
Higher education	55 184	59 691	59 209	64 414	67 397
Doctors of Science	3 140	3 554	3 242	3 445	3 420
Masters of Science	2 590	2 600	2 165	2 312	2 376
Other	49 454	53 537	53 802	58 657	61 601
Post-secondary education	16 773	18 122	18 115	19 630	20 730
Secondary education	72 922	78 257	76 406	80 273	81 202
Primary education	4 662	4 647	4 771	4 699	4 328
Highly skilled	496	546	605	466	456
Skilled	3 577	3 544	3 362	3 279	3 178
Semi-skilled	1 333	1 117	1 000	1 081	1 034
Unskilled	6 152	6 605	6 744	6 718	6 864
Total	100.0	100.0	100.0	100.0	100.0
Higher education	29.6	30.6	30.8	31.3	31.8
Doctors of Science	1.9	2.0	1.9	1.9	1.8
Masters of Science	1.4	1.5	1.2	0.1	1.2
Other	26.3	27.1	27.7	28.3	28.8
Post-secondary education	8.8	8.8	9.1	9.3	9.6
Secondary education	48.2	48.3	48.8	48.9	48.6
Primary education	2.4	2.4	2.3	2.3	2.1
Highly skilled	1.3	1.1	0.9	0.8	0.8
Skilled	4.6	4.2	3.7	3.3	3.2
Semi-skilled	1.3	1.0	0.9	0.8	0.7
Unskilled	3.8	3.6	3.5	3.3	3.2

6.7 Persons employed in legal entities by level of professional qualifications and sex

(Continued)

Status as of 31 March

	2015	2016	2017	2018	2019
Women	50.2	50.6	50.7	50.2	50.4
Higher education	16.7	17.3	17.6	17.9	18.3
Doctors of Science	0.9	1.0	1.0	1.0	0.9
Masters of Science	0.7	0.8	0.6	0.6	0.6
Other	15.1	15.5	16.0	16.3	16.8
Post-secondary education	5.2	5.3	5.4	5.5	5.6
Secondary education	22.7	22.9	22.8	22.3	22.1
Primary education	1.5	1.5	1.4	1.3	1.2
Highly skilled	0.2	0.2	0.2	0.1	0.1
Skilled	1.3	1.1	1.0	0.9	0.9
Semi-skilled	0.6	0.4	0.3	0.3	0.3
Unskilled	2.0	1.9	2.0	1.9	1.9

Source: CBS; processing: COSPDC – Department of Statistical and Analytical Affairs

6.8 Persons employed in legal entities by level of professional qualifications and NCA 2007 sections

Status as of 31 March 2019

		Total	Level of professional qualifications										
			Higher education				Post-secondary education	Secondary education	Primary education	Highly skilled	Skilled	Semi-skilled	Unskilled
			Total	Doctors of Science	Masters of Science	Other							
Total		367 452	116 986	6 776	4 226	105 984	35 377	178 284	7 802	2 810	11 788	2 541	11 864
A	Agriculture, forestry, and fishing	919	337	5	38	294	40	348	60	8	31	5	90
B	Mining and quarrying	942	444	5	17	422	65	367	14	23	27	-	2
C	Manufacturing	37 962	8 264	155	365	7 744	2 282	20 860	1 149	556	2 519	422	1 910
D	Electricity, gas, steam, and air conditioning supply	4 312	1 626	18	129	1 479	425	1 668	21	391	106	14	61
E	Water supply; sewerage, waste management, and remediation activities	4 657	442	3	21	418	216	2 216	661	195	646	123	158
F	Construction	19 606	2 409	10	57	2 342	1 211	10 272	477	324	2 608	753	1 552
G	Wholesale and retail trade; repair of motor vehicles and motorcycles	66 679	13 099	32	311	12 756	4 520	44 667	1 125	269	1 486	152	1 361

6.8 Persons employed in legal entities by level of professional qualifications and NCA 2007 sections

(Continued)

Status as of 31 March 2019

		Total	Level of professional qualifications										
			Higher education				Post-secondary education	Secondary education	Primary education	Highly skilled	Skilled	Semi-skilled	Unskilled
			Total	Doctors of Science	Masters of Science	Other							
H	Transportation and storage	17 036	2 494	54	49	2 391	1 221	11 259	360	266	894	102	440
I	Accommodation and food service activities	12 482	801	-	25	776	366	9 113	292	111	708	245	846
J	Information and communication	23 651	11 811	50	607	11 154	2 923	8 521	81	107	102	9	97
K	Financial and insurance activities	19 322	8 932	41	378	8 513	3 240	7 019	60	5	42	4	20
L	Real estate activities	4 167	853	-	8	845	352	2 278	117	21	154	36	356
M	Professional, scientific, and technical activities	25 829	14 811	850	580	13 381	2 212	7 811	155	107	236	100	397
N	Administrative and support service activities	21 412	2 657	8	42	2 607	1 273	13 839	631	72	636	61	2 243
O	Public administration and defence; compulsory social security	35 079	16 734	303	583	15 848	3 073	14 239	324	94	301	50	264
P	Education	30 097	17 790	3 620	333	13 837	5 559	4 406	574	118	534	80	1 036
Q	Human health and social work activities	29 743	8 782	1 485	450	6 847	5 447	12 480	1 298	104	461	337	834
R	Arts, entertainment, and recreation	8 082	2 722	102	169	2 451	547	4 261	260	30	139	15	108
S	Other service activities	5 475	1 978	35	64	1 879	405	2 660	143	9	158	33	89

Source: CBS; processing: COSPDC – Department of Statistical and Analytical Affairs

6.9 Women employed in legal entities by level of professional qualifications and NCA 2007 sections

Status as of 31 March 2019

		Total	Level of professional qualifications										
			Higher education				Higher education	Secondary education	Primary education	Highly skilled	Skilled	Semi-skilled	Unskilled
			Total	Doctors of Science	Masters of Science	Other							
Total		185 189	67 397	3 420	2 376	61 601	20 730	81 202	4 328	456	3 178	1 034	6 864
A	Agriculture, forestry, and fishing	430	125	3	13	109	15	181	31	-	13	2	63
B	Mining and quarrying	238	156	3	7	146	20	57	3	-	2	-	-
C	Manufacturing	13 818	3 687	76	173	3 438	750	7 052	581	59	661	176	852
D	Electricity, gas, steam, and air conditioning supply	1 550	717	5	46	666	199	575	14	3	8	3	31
E	Water supply; sewerage, waste management, and remediation activities	823	208	1	9	198	70	399	49	-	29	14	54
F	Construction	2 384	728	3	17	708	321	1 128	48	2	40	20	97
G	Wholesale and retail trade; repair of motor vehicles and motorcycles	35 255	7 591	15	164	7 412	2 149	23 493	576	129	648	64	605
H	Transportation and storage	4 622	1 186	21	15	1 150	514	2 618	53	26	71	23	131
I	Accommodation and food service activities	6 665	487	-	15	472	204	4 509	225	41	360	195	644
J	Information and communication	9 379	5 145	16	316	4 813	980	3 144	40	7	26	3	34
K	Financial and insurance activities	12 953	5 764	18	250	5 496	2 092	5 005	50	1	28	2	11

6.9 Women employed in legal entities by level of professional qualifications and NCA 2007 sections

(Continued)

Status as of 31 March 2019

		Total	Level of professional qualifications										
			Higher education				Higher education	Secondary education	Primary education	Highly skilled	Skilled	Semi-skilled	Unskilled
			Total	Doctors of Science	Masters of Science	Other							
L	Real estate activities	1 978	454	-	3	451	163	980	54	6	65	17	239
M	Professional, scientific, and technical activities	12 621	7 592	480	306	6 806	1 033	3 737	92	9	46	36	76
N	Administrative and support service activities	9 479	1 471	3	23	1 445	583	4 835	429	32	191	36	1 902
O	Public administration and defence; compulsory social security	19 150	10 532	163	350	10 019	1 515	6 412	215	39	167	37	233
P	Education	22 931	12 506	1 735	219	10 552	5 122	3 268	546	44	374	77	994
Q	Human health and social work activities	23 030	6 187	795	308	5 084	4 494	9 908	1 069	45	285	302	740
R	Arts, entertainment, and recreation	4 640	1 606	69	110	1 427	290	2 390	196	11	53	6	88
S	Other service activities	3 243	1 255	14	32	1 209	216	1 511	57	2	111	21	70

Source: CBS; processing: COSPDC – Department of Statistical and Analytical Affairs

6.10 Persons employed in legal entities by age and sex

Status as of 31 March

	2012	2013	2014	2015	2016	2017	2018	2019
	Number of employed persons							
Total	329 635	321 273	312 556	318 472	342 042	335 870	359 576	367 452
up to 18 years of age	115	95	93	140	294	263	485	440
19 – 24	13 114	11 272	10 450	11 403	13 979	14 651	18 153	19 937
25 – 29	40 938	37 068	33 562	34 236	37 207	36 381	38 843	40 269
30 – 34	53 639	52 319	49 950	50 235	52 635	50 075	51 393	50 282
35 – 39	51 330	51 133	49 864	51 072	55 548	53 777	56 281	56 518
40 – 44	45 189	45 130	44 929	46 456	49 953	48 658	52 459	53 457
45 – 49	42 715	41 934	41 631	41 835	43 601	42 466	45 754	47 090
50 – 54	39 066	38 396	37 771	37 925	39 926	39 625	41 925	42 462
55 – 59	28 820	28 880	29 185	29 925	31 955	32 564	34 789	35 863
60 – 64	13 275	13 621	13 701	13 763	15 249	15 710	17 478	18 613
65 years and more	1 434	1 425	1 420	1 482	1 695	1 700	2 016	2 521

6.10 Persons employed in legal entities by age and sex

(Continued)

Status as of 31 March

	2012	2013	2014	2015	2016	2017	2018	2019
	Number of employed persons							
Women	164 150	161 230	156 693	161 099	172 529	170 212	180 560	185 189
up to 18 years of age	57	23	32	52	109	101	199	171
19 – 24	5 711	4 922	4 232	4 734	5 763	6 141	7 721	8 495
25 – 29	20 098	18 348	16 306	16 983	18 324	18 008	19 010	19 693
30 – 34	26 674	25 940	24 802	25 357	26 364	24 899	25 647	25 213
35 – 39	25 699	25 621	25 097	25 786	27 885	27 106	28 211	28 350
40 – 44	23 123	23 231	22 973	23 594	25 427	25 028	26 353	27 311
45 – 49	22 576	22 214	22 014	22 188	23 095	22 663	24 010	24 741
50 – 54	21 185	20 975	20 509	20 661	21 664	21 601	22 566	23 011
55 – 59	13 245	13 800	14 247	15 141	16 547	16 889	18 171	18 765
60 – 64	5 324	5 689	5 995	6 106	6 793	7 195	7 976	8 569
65 years and more	458	467	486	497	558	581	696	870
	Share of employed persons, %							
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
up to 24 years	4.4	4.0	3.5	3.4	3.6	4.2	5.2	5.5
25 – 29	13.0	12.4	11.5	10.7	10.8	10.9	10.8	11.0
30 – 34	16.4	16.3	16.3	16.0	15.8	15.4	14.3	13.7
35 – 39	15.4	15.6	15.9	16.0	16.0	16.2	15.6	15.4
40 – 44	13.6	13.7	14.1	14.4	14.6	14.6	14.5	14.5
45 – 49	12.9	13.0	13.1	13.3	13.1	12.8	12.7	12.8
50 – 54	11.9	11.9	12.0	12.1	11.9	11.7	11.7	11.6
55 – 59	8.5	8.7	9.0	9.3	9.4	9.3	9.7	9.8
60 – 64	3.6	4.0	4.2	4.4	4.3	4.5	4.9	5.1
65 years and more	0.4	0.4	0.4	0.5	0.5	0.5	0.6	0.6
Women	49.4	49.8	50.2	50.1	50.6	50.4	50.2	50.4
up to 24 years	2.0	1.8	1.5	1.4	1.5	1.7	2.2	2.4
25 – 29	6.3	6.1	5.7	5.2	5.3	5.4	5.3	5.4
30 – 34	8.1	8.1	8.1	7.9	8.0	7.7	7.0	6.9
35 – 39	7.6	7.8	8.0	8.0	8.1	8.2	7.9	7.7
40 – 44	7.0	7.0	7.2	7.4	7.4	7.4	7.3	7.4
45 – 49	6.8	6.9	6.9	7.0	7.0	6.8	6.7	6.7
50 – 54	6.4	6.4	6.5	6.6	6.5	6.3	6.3	6.3
55 – 59	3.7	4.0	4.3	4.6	4.8	4.8	5.1	5.1
60 – 64	1.4	1.6	1.8	1.9	1.9	2.0	2.2	2.3
65 years and more	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2

Source: CBS; processing: COSPDC – Department of Statistical and Analytical Affairs

6.11 Persons employed in legal entities by age and NCA 2007 sections

Status as of 31 March 2019

		Total	Age										
			Up to 18 years	19 – 24	25 – 29	30 – 34	35 – 39	40 – 44	45 – 49	50 – 54	55 – 59	60 – 64	65 years and more
Total		367 452	440	19 937	40 269	50 282	56 518	53 457	47 090	42 462	35 863	18 613	2 521
A	Agriculture, forestry, and fishing	919	2	33	84	101	107	138	128	144	95	78	9
B	Mining and quarrying	942	2	10	50	112	162	131	152	149	128	41	5
C	Manufacturing	37 962	39	2 278	3 928	5 109	5 728	5 337	4 488	4 663	4 265	1 875	252
D	Electricity, gas, steam, and air conditioning supply	4 312	6	74	305	542	568	605	560	662	662	328	-
E	Water supply; sewerage, waste management, and remediation activities	4 657	1	206	324	494	672	669	701	702	547	320	21
F	Construction	19 606	31	1 307	1 798	2 370	2 878	2 805	2 380	2 327	2 324	1 203	183
G	Wholesale and retail trade; repair of motor vehicles and motorcycles	66 679	164	5 342	8 251	10 335	11 654	10 514	7 955	6 276	4 082	1 713	393
H	Transportation and storage	17 036	9	751	1 253	1 708	2 103	2 555	2 509	2 643	2 321	1 118	66
I	Accommodation and food service activities	12 482	55	1 805	1 877	1 681	1 572	1 345	1 294	1 331	1 048	428	46
J	Information and communication	23 651	9	803	3 534	4 189	4 324	3 830	3 175	1 896	1 284	535	72
K	Financial and insurance activities	19 322	1	302	1 675	3 045	4 026	3 451	2 940	1 859	1 385	595	43
L	Real estate activities	4 167	4	227	375	544	535	566	568	603	492	227	26
M	Professional, scientific, and technical activities	25 829	32	753	3 757	4 360	4 323	3 800	2 876	2 378	1 919	1 244	387

6.11 Persons employed in legal entities by age and NCA 2007 sections

(Continued)

Status as of 31 March 2019

		Total	Age										
			Up to 18 years	19 – 24	25 – 29	30 – 34	35 – 39	40 – 44	45 – 49	50 – 54	55 – 59	60 – 64	65 years and more
N	Administrative and support service activities	21 412	49	2 433	3 208	2 708	2 696	2 516	2 260	2 238	2 133	988	183
O	Public administration and defence; compulsory social security	35 079	3	540	2 107	3 777	5 112	5 741	5 944	5 192	4 106	2 439	118
P	Education	30 097	9	368	2 735	3 605	4 299	3 967	4 093	4 120	4 035	2 511	355
Q	Human health and social work activities	29 743	5	1 946	3 545	3 649	3 778	3 493	3 419	3 784	3 799	2 059	266
R	Arts, entertainment, and recreation	8 082	9	511	858	1 116	1 153	1 153	967	878	799	589	49
S	Other service activities	5 475	10	248	605	837	828	841	681	617	439	322	47

Source: CBS; processing: COSPDC – Department of Statistical and Analytical Affairs

6.12 Women employed in legal entities by age and NCA 2007 sections

Status as of 31 March 2019

Status as of 31 March 2017

		Total	Age										
			Up to 18 years	19 – 24	25 – 29	30 – 34	35 – 39	40 – 44	45 – 49	50 – 54	55 – 59	60 – 64	65 years and more
Total		185 189	171	8 495	19 693	25 213	28 350	27 311	24 741	23 011	18 765	8 569	870
A	Agriculture, forestry, and fishing	430	-	11	42	49	48	73	59	73	51	21	3
B	Mining and quarrying	238	-	3	9	28	40	35	42	37	34	10	-
C	Manufacturing	13 818	8	561	1 295	1 678	2 055	2 069	1 885	2 049	1 678	495	45
D	Electricity, gas steam, and air conditioning supply	1 550	-	12	121	200	218	238	203	224	256	78	-
E	Water supply; sewerage, waste management, and remediation activities	823	-	22	49	90	128	123	121	125	104	58	3
F	Construction	2 384	1	48	160	254	377	395	324	330	334	135	26
G	Wholesale and retail trade; repair of motor vehicles and motorcycles	35 255	67	2 842	4 460	5 598	6 069	5 525	4 313	3 424	2 115	717	125

6.12 Women employed in legal entities by age and NCA 2007 sections

(Continued)

Status as of 31 March 2019

		Total	Age										
			Up to 18 years	19 – 24	25 – 29	30 – 34	35 – 39	40 – 44	45 – 49	50 – 54	55 – 59	60 – 64	65 years and more
H	Transportation and storage	4 622	2	151	284	425	576	763	791	824	586	208	12
I	Accommodation and food service activities	6 665	31	790	855	813	778	755	800	921	669	235	18
J	Information and communication	9 379	5	230	1 356	1 646	1 690	1 530	1 308	837	568	192	17
K	Financial and insurance activities	12 953	-	185	1 036	2 019	2 672	2 364	2 006	1 323	969	355	24
L	Real estate activities	1 978	-	75	165	222	234	294	288	342	264	87	7
M	Professional, scientific, and technical activities	12 621	11	308	1 934	2 236	2 142	1 901	1 439	1 192	870	484	104
N	Administrative and support service activities	9 479	20	833	1 317	1 239	1 186	1 154	1 187	1 182	975	318	68
O	Public administration and defence; compulsory social security	19 150	-	171	974	2 067	2 891	3 204	3 112	2 875	2 393	1 400	63
P	Education	22 931	8	253	2 080	2 772	3 264	3 016	3 225	3 269	3 133	1 753	158
Q	Human health and social work activities	23 030	5	1 480	2 633	2 712	2 901	2 744	2 742	3 085	3 015	1 563	150
R	Arts, entertainment, and recreation	4 640	5	351	505	662	636	618	533	514	489	306	21
S	Other service activities	3 243	8	169	418	503	445	510	363	385	262	154	26

Source: CBS; processing: COSPDC – Department of Statistical and Analytical Affairs

6.13 Persons employed in legal entities by type of employment and sex

Status as of 31 March

	2012	2013	2014	2015	2016	2017	2018	2019
Total	329 635	321 273	312 556	318 472	342 042	335 870	359 576	367 452
of which: women	164 150	161 230	156 693	161 099	172 529	170 212	180 560	185 189
Full-time employees	290 266	280 912	270 880	272 726	286 989	278 889	296 565	304 604
of which: women	143 499	140 862	137 112	138 512	145 142	141 749	148 483	152 710

6.13 Persons employed in legal entities by type of employment and sex

(Continued)

Status as of 31 March

	2012	2013	2014	2015	2016	2017	2018	2019
Part-time employees	36 967	38 210	39 789	43 981	53 370	55 713	61 654	61 221
of which: women	19 256	19 162	18 606	21 532	26 393	27 719	31 321	31 524
Trainees	2 402	2 151	1 887	1 765	1 683	1 268	1 357	1 627
of which: women	1 395	1 206	975	1 055	994	744	756	955

Source: CBS; processing: COSPDC – Department of Statistical and Analytical Affairs

6.14 Persons employed in legal entities by type of employment, sex, and NCA 2007 sections

Status as of 31 March 2019

		Total	Women	Full-time employees		Part-time employees		Trainees	
				Total	Women	Total	Women	Total	Women
Total		367 452	185 189	304 604	152 710	61 221	31 524	1 627	955
A	Agriculture, forestry, and fishing	919	430	753	350	161	79	5	1
B	Mining and quarrying	942	238	900	235	42	3	-	-
C	Manufacturing	37 962	13 818	31 811	11 759	5 980	2 012	171	47
D	Electricity, gas, steam, and air conditioning supply	4 312	1 550	4 189	1 520	93	27	30	3
E	Water supply; sewerage, waste management, and remediation activities	4 657	823	4 328	749	328	74	1	-
F	Construction	19 606	2 384	15 419	2 129	4 167	252	20	3
G	Wholesale and retail trade; repair of motor vehicles and motorcycles	66 679	35 255	51 226	25 658	15 386	9 560	67	37
H	Transportation and storage	17 036	4 622	14 789	4 188	2 232	427	15	7
I	Accommodation and food service activities	12 482	6 665	9 243	4 933	3 235	1 730	4	2
J	Information and communication	23 651	9 379	20 320	7 834	3 292	1 528	39	17
K	Financial and insurance activities	19 322	12 953	17 806	11 953	1 454	963	62	37
L	Real estate activities	4 167	1 978	3 595	1 692	570	285	2	1
M	Professional, scientific, and technical activities	25 829	12 621	22 499	11 035	3 208	1 521	122	65
N	Administrative and support service activities	21 412	9 479	11 951	4 372	9 454	5 105	7	2
O	Public administration and defence; compulsory social security	35 079	19 150	32 968	17 854	1 802	1 146	309	150
P	Education	30 097	22 931	25 049	19 345	4 618	3 257	430	329
Q	Human health and social work activities	29 743	23 030	26 746	20 780	2 699	2 028	298	222
R	Arts, entertainment, and recreation	8 082	4 640	6 459	3 721	1 588	897	35	22
S	Other service activities	5 475	3 243	4 553	2 603	912	630	10	10

Source: CBS; processing: COSPDC – Department of Statistical and Analytical Affairs

6.15 Unemployed persons by level of education and sex

Status as of 31 December

	Unemployed persons			Level of education						
	Total	Women	People looking for employment for the first time	People who never attended/completed primary education	Primary education	Secondary vocational school lasting for three years and schools for skilled and highly skilled workers	Secondary vocational schools lasting for 4 or more years	Grammar schools	Post-secondary education, undergraduate degrees, professional studies	Faculties, academies, Master's degrees, Doctor's degrees
2015	37 463	19 804	7 880	1 172	6 196	8 958	9 814	2 347	3 166	5 810
2016	30 307	16 548	5 813	1 154	4 833	6 891	7 630	1 730	2 732	5 337
2017	22 453	11 961	3 933	1 162	3 548	4 986	5 320	1 237	2 100	4 100
2018	17 450	9 063	3 054	957	2 444	3 785	4 165	961	1 674	3 464
2019	14 964	7 789	2 552	759	1 944	3 185	3 596	787	1 624	3 069
Share, %										
2015	100.0	52.9	21.0	3.1	16.5	23.9	26.2	6.3	8.5	15.5
2016	100.0	54.6	19.2	3.8	16.0	22.7	25.2	5.7	9.0	17.6
2017	100.0	53.3	17.5	5.2	15.8	22.2	23.7	5.5	9.3	18.3
2018	100.0	51.9	17.5	5.5	14.0	21.7	23.9	5.5	9.6	19.8
2019	100.0	52.1	17.1	5.1	13.0	21.3	24.0	5.3	10.8	20.5

Source: Croatian Employment Service

6.16 Unemployed persons by length of service

Status as of 31 December

	Total	No work experience	Length of service							
			Up to 1 year	1 – 2 years	2 – 3 years	3 – 5 years	5 – 10 years	10 – 20 years	20 – 30 years	More than 30 years
2015	37 463	7 880	3 123	3 016	1 539	2 303	4 798	7 030	5 170	2 604
2016	30 307	5 813	2 474	2 633	1 414	1 924	3 778	5 922	4 415	1 934
2017	22 453	3 933	1 870	1 958	1 120	1 557	2 716	4 413	3 397	1 489
2018	17 450	3 054	1 464	1 428	902	1 275	2 147	3 470	2 583	1 127
2019	14 964	2 552	1 215	1 333	785	1 157	1 855	2 935	2 138	994
Share, %										
2015	100.0	21.0	8.3	8.1	4.1	6.1	12.8	18.8	13.8	7.0
2016	100.0	19.2	8.1	8.7	4.7	6.3	12.5	19.5	14.6	6.4
2017	100.0	17.5	8.3	8.7	5.0	7.0	12.1	19.7	15.1	6.6
2018	100.0	17.5	8.4	8.2	5.2	7.3	12.3	19.9	14.8	6.4
2019	100.0	17.1	8.1	8.9	5.3	7.7	12.4	19.6	14.3	6.6

Source: Croatian Employment Service

6.17 Unemployed persons by duration of unemployment

Status as of 31 December

	Total	Number of people waiting for employment in months							
		Up to 1 month	1 – 3	3 – 6	6 – 9	9 – 12	12 – 24	24 – 36	More than 36 months
2015	37 463	2 725	6 336	5 288	2 520	2 456	5 753	3 351	9 084
2016	30 307	2 508	5 539	3 673	2 047	1 712	3 851	2 623	8 354
2017	22 453	2 005	4 415	2 822	1 432	1 203	2 484	1 470	6 622
2018	17 450	1 690	3 850	2 433	1 092	928	1 780	923	4 754
2019	14 964	1 610	3 256	2 170	1 016	840	1 612	797	3 663
Share, %									
2015	100.0	7.3	16.9	14.1	6.7	6.6	15.4	8.9	24.1
2016	100.0	8.3	18.3	12.1	6.7	5.6	12.7	8.7	27.6
2017	100.0	8.9	19.7	12.6	6.4	5.3	11.1	6.5	29.5
2018	100.0	9.7	22.1	13.9	6.3	5.3	10.2	5.3	27.2
2019	100.0	10.8	21.7	14.5	6.8	5.6	10.8	5.3	24.5

Source: Croatian Employment Service

6.18 Unemployed persons by age

Status as of 31 December

	Total	Age									
		15 – 19	20 – 24	25 – 29	30 – 34	35 – 39	40 – 44	45 – 49	50 – 54	55 – 59	60 and more
2015	37 463	1 515	3 834	4 900	4 072	3 887	3 562	3 860	4 124	4 967	2 742
2016	30 307	967	2 587	3 756	3 282	3 185	2 977	3 123	3 575	4 129	2 726
2017	22 453	528	1 786	2 680	2 161	2 291	2 151	2 341	2 775	3 273	2 467
2018	17 450	361	1 351	2 212	1 667	1 709	1 693	1 757	2 062	2 552	2 086
2019	14 964	282	1 233	2 036	1 458	1 375	1 464	1 472	1 705	2 170	1 769
Share, %											
2015	100.0	4.0	10.2	13.1	10.9	10.4	9.5	10.3	11.0	13.3	7.3
2016	100.0	3.2	8.6	12.4	10.8	10.5	9.8	10.3	11.8	13.6	9.0
2017	100.0	2.3	8.0	11.9	9.6	10.2	9.6	10.4	12.4	14.6	11.0
2018	100.0	2.1	7.7	12.7	9.5	9.8	9.7	10.1	11.8	14.6	12.0
2019	100.0	1.9	8.2	13.6	9.8	9.2	9.8	9.8	11.4	14.5	11.8

Source: Croatian Employment Service

In 2019, the average gross monthly salary amounted to 10 572 kuna, representing a 3.8% increase compared to 2018, when it equalled 10 181 kuna. The average net monthly salary in 2019 amounted to 7 510 kuna, representing a 3.7% increase compared to 2018, when it equalled 7 243 kuna.

07

Earnings



Photo: M. Gašparović, ZTB

NOTES ON METHODOLOGY

Source and method of data collection

Data on average net and gross earnings of persons employed in companies, enterprises or institutions have been obtained upon processing data referred to in the Report on Income, Income Tax and Surtax, and Contributions for Mandatory Insurances (JOPPD form).

Data on average monthly net and gross earning according to the level of professional qualifications for performing certain jobs and tasks pertain only to employed persons who worked 12 months of the year. The afore-mentioned data are obtained by virtue of an annual survey.

Coverage and comparability

All persons employed in business entities (legal persons) in the City of Zagreb, regardless of the type of ownership and regardless of whether the person is employed for a fixed or indefinite period of time, full-time or part-time, are included in the scope of the survey.

The survey on average net and gross earnings does not examine persons employed in crafts and trades, freelancers and persons who work on family-run farms.

Definitions and explanations

Average monthly net earning represents the income of persons employed to perform certain tasks based on employment contract, as well as compensations for annual leave, paid leave, public holidays and non-working days defined by law, sick leave lasting up to 42 days, leave of absence due to professional education, delays at workplace that weren't the employee's fault, as well as receipts based on reimbursements, supports and awards in amounts for which contributions, taxes and surtaxes are paid.

Average monthly gross earning includes all kinds of net payments made with regard to employment, as well as obligatory participation, contributions, taxes and surtaxes as prescribed by law.

Indices of nominal net and gross earnings are calculated based on the data on average monthly net and gross earnings for the relevant months and years.

Data on average earnings per employed person are presented according to the principle of payments made in the current month for the previous month (which corresponds to dynamics of payment in most legal entities), so average earnings **pertain to the month for which the payment has been received**. However, in case of late payments for the previous months and periods, data are included in average payments for the surveyed month.

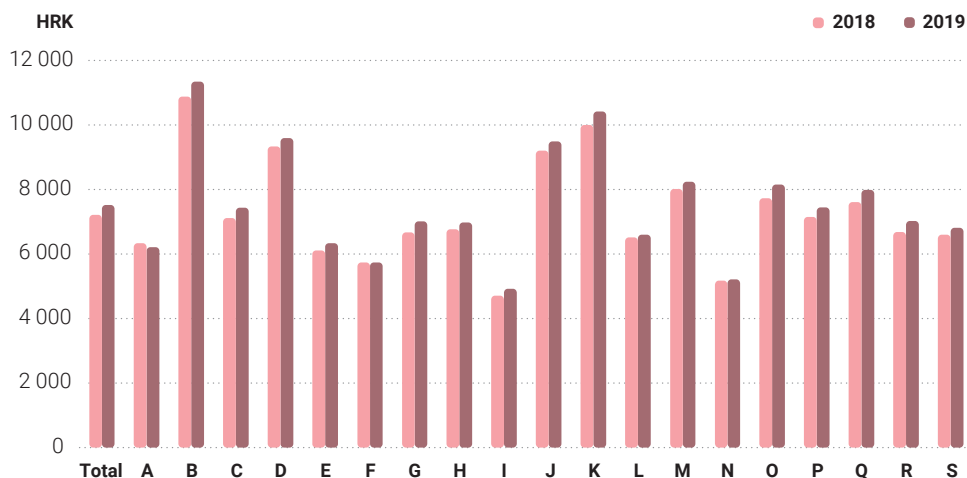
In data on average monthly earnings according to the level of professional qualifications, the term "professional qualifications" implies general and professional knowledge and skills of an employed person, which result from the range and complexity of tasks for a certain job position, as defined by regulations established by the employer. The 2015, 2016, 2017 and 2018 data are not comparable to data from the previous years because they were calculated in a manner which included all legal entities, whereas in the previous years, such data were calculated based on the representative sample for the City of Zagreb.

7.1 Average monthly net earnings per person employed in legal entities of all forms of ownership by NCA 2007 sections

		Average monthly net earnings per employed person in HRK		Nominal indices 2019 2018
		2018	2019	
Total		7 243	7 510	103.7
A	Agriculture, forestry and fishing	6 333	6 223	98.3
B	Mining and quarrying	10 894	11 363	104.3
C	Manufacturing	7 102	7 417	104.4
D	Electricity, gas, steam and air conditioning supply	9 313	9 573	102.8
E	Water supply; sewerage, waste management and remediation activities	6 121	6 347	103.7
F	Construction	5 754	5 763	100.2
G	Wholesale and retail trade; repair of motor vehicles and motorcycles	6 725	7 024	104.4
H	Transportation and storage	6 773	6 976	103.0
I	Accommodation and food service activities	4 691	4 902	104.5
J	Information and communication	9 204	9 493	103.1
K	Financial and insurance activities	9 990	10 408	104.2
L	Real estate activities	6 485	6 601	101.8
M	Professional, scientific and technical activities	8 008	8 243	102.9
N	Administrative and support service activities	5 160	5 198	100.7
O	Public administration and defence; compulsory social security	7 711	8 138	105.5
P	Education	7 133	7 412	103.9
Q	Human health and social work activities	7 607	7 988	105.0
R	Arts, entertainment and recreation	6 681	7 017	105.0
S	Other service activities	6 606	6 805	103.0

Source: CBS; processing: COSPDC – Department of Statistical and Analytical Affairs

G 7.1 Average monthly net earnings per person in legal entities of all forms of ownership by NCA 2007 sections for 2018 and 2019

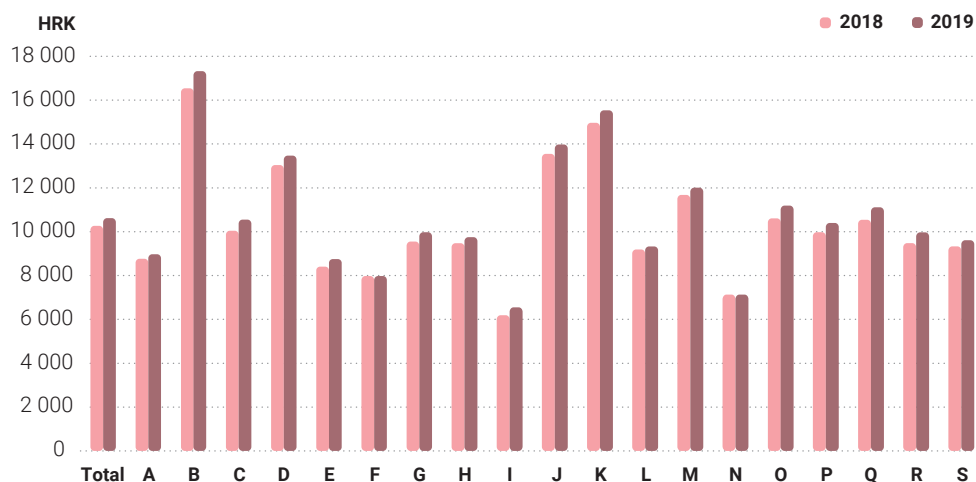


7.2 Average monthly gross earnings per person employed in legal entities of all forms of ownership by NCA 2007 sections

		Average monthly gross earnings per employed person in HRK		Nominal indices 2019 2018
		2018	2019	
Total		10 181	10 572	103.8
A	Agriculture, forestry and fishing	8 881	8 693	97.9
B	Mining and quarrying	16 527	17 276	104.5
C	Manufacturing	10 004	10 490	104.9
D	Electricity, gas, steam and air conditioning supply	12 960	13 411	103.5
E	Water supply; sewerage, waste management and remediation activities	8 323	8 709	104.6
F	Construction	7 876	7 889	100.2
G	Wholesale and retail trade; repair of motor vehicles and motorcycles	9 468	9 918	104.8
H	Transportation and storage	9 392	9 697	103.2
I	Accommodation and food service activities	6 108	6 425	105.2
J	Information and communication	13 515	13 933	103.1
K	Financial and insurance activities	14 929	15 502	103.8
L	Real estate activities	9 131	9 293	101.8
M	Professional, scientific and technical activities	11 659	11 969	102.7
N	Administrative and support service activities	7 009	7 010	100.0
O	Public administration and defence; compulsory social security	10 537	11 130	105.6
P	Education	9 922	10 371	104.5
Q	Human health and social work activities	10 495	11 089	105.7
R	Arts, entertainment and recreation	9 374	9 881	105.4
S	Other service activities	9 290	9 563	102.9

Source: CBS; processing: COSPDC – Department of Statistical and Analytical Affairs

G 7.2 Average monthly gross earnings per person employed in legal entities of all forms of ownership by NCA 2007 sections for 2018 and 2019



7.3 Average monthly net and gross earnings per person employed in legal entities by sex and level of professional qualifications

	Total	Sex		Level of professional qualifications							
		Men	Wo-men	Higher edu-cation	Post-se-condary edu-ca-tion	Sec-on-dary edu-ca-tion	Pri-mary edu-ca-tion	Highly skilled	Skilled	Semi-skilled	Unskil-led
Net earnings in HRK											
2014	6 690	7 157	6 243	9 595	6 806	5 345	4 250	6 436	4 882	4 478	3 700
2015 ¹⁾	6 626	7 040	6 198	9 518	6 929	5 211	4 047	6 108	4 566	4 537	3 826
2016 ¹⁾	6 740	7 238	6 243	9 598	7 020	5 327	3 989	6 227	4 700	4 654	4 030
2017 ¹⁾	6 990	7 489	6 481	9 843	7 249	5 492	4 130	7 466	5 051	4 788	3 890
2018 ¹⁾	7 187	7 740	6 635	10 067	7 393	5 654	4 249	7 173	5 056	4 830	3 963
Gross earnings in HRK											
2014	10 017	10 907	9 363	15 598	10 108	7 579	5 726	9 177	6 733	6 003	4 971
2015 ¹⁾	9 742	10 402	9 060	14 901	10 020	7 231	5 338	8 637	6 135	6 015	5 064
2016 ¹⁾	9 896	10 681	9 115	14 979	10 163	7 391	5 256	8 695	6 327	6 187	5 406
2017 ¹⁾	10 050	10 789	9 296	14 890	10 345	7 519	5 373	10 433	6 774	6 303	5 111
2018 ¹⁾	10 382	11 209	9 556	15 265	10 614	7 785	5 557	10 044	6 797	6 391	5 251

¹⁾ See Notes on Methodology.

Source: CBS; processing: COSPDC – Department of Statistical and Analytical Affairs

7.4 Average monthly net earnings per person employed in legal entities by sex and level of professional qualifications for 2018 by NCA 2007 sections¹⁾

HRK

		Total	Sex		Level of professional qualifications							
			Men	Women	Higher education	Post-secondary education	Secondary education	Primary education	Highly skilled	Skilled	Semi-skilled	Unskilled
Total		7 187	7 740	6 635	10 067	7 393	5 654	4 249	7 173	5 056	4 830	3 963
A	Agriculture, forestry and fishing	6 414	7 628	5 107	9 484	7 485	4 620	4 202	4 347	3 517	4 051	2 736
B	Mining and quarrying	10 125	10 657	8 933	11 748	8 782	8 056	5 394	8 553	9 567	-	6 261
C	Manufacturing	7 116	7 385	6 620	11 625	8 058	5 720	4 481	6 598	5 478	4 955	4 151
D	Electricity, gas, steam and air conditioning supply	8 632	8 724	8 447	10 907	8 180	7 117	5 580	7 774	6 892	5 291	5 198
E	Water supply; sewerage, waste management and remediation activities	6 137	6 158	6 030	9 767	8 646	5 951	5 740	7 410	5 072	5 013	4 731
F	Construction	6 101	5 983	6 881	10 372	7 754	5 459	4 020	6 172	4 819	5 555	4 231
G	Wholesale and retail trade; repair of motor vehicles and motorcycles	7 033	7 873	6 220	12 212	8 222	5 637	4 523	6 406	4 881	3 691	5 384
H	Transportation and storage	6 856	6 972	6 543	9 827	8 757	5 632	4 799	7 689	5 198	5 607	4 850
I	Accommodation and food service activities	4 760	5 159	4 453	8 260	6 609	4 448	3 816	5 776	4 924	4 301	3 674
J	Information and communication	9 062	9 704	8 045	10 937	8 471	6 827	5 617	6 464	5 860	4 957	5 314
K	Financial and insurance activities	9 644	11 489	8 680	12 188	7 955	6 767	5 475	7 503	5 955	2 949	5 124
L	Real estate activities	6 598	7 310	5 853	10 749	7 444	5 672	3 647	5 204	4 178	3 630	4 140
M	Professional, scientific and technical activities	8 349	8 810	7 848	9 803	7 945	6 034	4 115	7 549	5 098	4 205	4 051
N	Administrative and support service activities	4 615	5 032	4 094	7 159	6 144	4 358	3 694	7 416	5 014	4 098	2 345

7.4 Average monthly net earnings per person employed in legal entities by sex and level of professional qualifications for 2018 by NCA 2007 sections¹⁾

(Continued)

HRK

		Total	Sex		Level of professional qualifications							
			Men	Women	Higher education	Post-secondary education	Secondary education	Primary education	Highly skilled	Skilled	Semi-skilled	Unskilled
O	Public administration and defence; compulsory social security	7 438	8 152	6 870	9 148	6 743	5 811	4 466	5 938	4 874	5 469	3 390
P	Education	6 770	8 153	6 307	7 732	6 374	4 819	4 053	7 697	4 745	4 450	3 690
Q	Human health and social work activities	6 882	8 370	6 443	10 421	6 396	5 456	3 807	5 374	4 397	4 354	3 682
R	Arts, entertainment and recreation	6 846	7 538	6 284	8 388	8 227	5 873	4 912	7 892	5 925	4 632	4 566
S	Other service activities	6 456	7 082	5 968	8 650	7 235	5 252	3 856	6 708	4 277	4 639	4 263

¹⁾ See Notes on Methodology.

Source: CBS; processing: COSPDC – Department of Statistical and Analytical Affairs

7.5 Average monthly gross earnings per person employed in legal entities by sex and level of professional qualifications for 2018 by NCA 2007 sections¹⁾

HRK

		Total	Sex		Level of professional qualifications							
			Men	Women	Higher education	Post-secondary education	Secondary education	Primary education	Highly skilled	Skilled	Semi-skilled	Unskilled
Total		10 382	11 209	9 556	15 265	10 614	7 785	5 557	10 044	6 797	6 391	5 251
A	Agriculture, forestry and fishing	8 944	10 798	6 947	13 557	11 055	6 223	5 512	5 854	4 436	5 213	3 488
B	Mining and quarrying	15 067	15 831	13 353	17 903	12 603	11 468	7 407	12 314	13 456	-	7 840
C	Manufacturing	10 280	10 658	9 586	17 934	11 712	7 903	5 986	9 194	7 471	6 658	5 547
D	Electricity, gas, steam and air conditioning supply	12 466	12 532	12 332	16 289	11 614	9 951	7 509	10 829	9 577	7 105	6 915
E	Water supply; sewerage, waste management and remediation activities	8 364	8 364	8 363	13 643	11 661	8 219	7 359	10 492	6 953	6 526	6 010
F	Construction	8 511	8 294	9 931	15 649	11 104	7 432	5 297	8 407	6 397	7 628	5 535
G	Wholesale and retail trade; repair of motor vehicles and motorcycles	10 230	11 537	8 963	19 245	12 157	7 803	6 020	9 088	6 559	4 746	7 400
H	Transportation and storage	9 650	9 782	9 297	14 649	12 871	7 661	6 304	10 804	6 929	7 502	6 427

7.5 Average monthly gross earnings per person employed in legal entities by sex and level of professional qualifications for 2018 by NCA 2007 sections¹⁾

(Continued)

HRK

		Total	Sex		Level of professional qualifications							
			Men	Women	Higher education	Post-secondary education	Secondary education	Primary education	Highly skilled	Skilled	Semi-skilled	Unskilled
I	Accommodation and food service activities	6 454	7 078	5 974	12 280	9 460	5 938	4 936	7 993	6 668	5 628	4 758
J	Information and communication	13 495	14 486	11 927	16 707	12 410	9 688	7 667	8 897	8 055	6 636	7 575
K	Financial and insurance activities	14 559	17 614	12 963	18 958	11 563	9 601	7 637	10 884	8 416	4 006	7 139
L	Real estate activities	9 411	10 443	8 332	16 364	10 747	7 814	4 718	6 801	5 524	4 662	5 503
M	Professional, scientific and technical activities	12 393	13 062	11 668	14 875	11 692	8 441	5 443	10 676	6 832	5 405	5 351
N	Administrative and support service activities	6 316	6 892	5 598	10 538	8 663	5 840	4 767	10 870	6 589	5 516	3 161
O	Public administration and defence; compulsory social security	10 578	11 528	9 824	13 461	9 336	7 830	5 839	8 332	6 439	7 606	4 294
P	Education	9 664	11 905	8 915	11 269	8 905	6 466	5 203	11 171	6 294	5 796	4 737
Q	Human health and social work activities	9 895	12 346	9 172	15 987	8 930	7 432	4 873	7 243	5 756	5 613	4 688
R	Arts, entertainment and recreation	9 783	10 868	8 900	12 321	12 348	8 151	6 563	11 469	8 136	6 382	6 088
S	Other service activities	9 166	10 089	8 448	12 825	10 272	7 175	5 013	9 543	5 633	6 091	5 589

¹⁾ See Notes on Methodology.

Source: CBS; processing: COSPDC – Department of Statistical and Analytical Affairs

Retail prices have increased by 1.1 per cent in 2019 compared to 2018, while the Cost of Life has increased by 1.0% in 2019 compared to 2018.

08

Prices



Photo: S. Kaštelan, ZTB

NOTES ON METHODOLOGY

Source and method of data collection

Retail prices of goods and services are collected on a monthly basis by price collectors from a predefined sample of retail outlets in shops, supermarkets, outlets, farmers' markets and other places (up to 15 different places of price collection in Zagreb for each product/service), as well as in public companies and institutions that provide transport and communication services, postal services, housing and utility services, heating and lighting services, health services, culture and sports-related activities, and other social activities. For the purpose of collecting data on retail prices and the costs of living, certain products and services are defined, which comprise the greatest share in retail trade, i.e. in personal consumption, and the prices of which represent general price trends and price trends of specific groups of products and services. In order to enable monitoring of changes in price trends between two periods, the price collectors also record other characteristics of goods and services apart from the price itself. The collected material is analysed for the City of Zagreb and the indicators of dynamics are calculated for two categories of prices, i.e. for retail prices and prices of the costs of living.

Coverage and comparability

Retail price index pertains to goods and services for personal consumption, propagating material and certain tools for work, while the index list of the costs of living includes only goods and services for personal consumption. Grouping of certain goods and services is based on different criteria. Therefore, for retail prices, grouping is based on the criterion of the form of product and type of service (e.g. agricultural food products, industrial non-food products, transport services, etc.), while for the costs of living, it is carried out based on the criterion of purpose of consumption (e.g. food products, energy sources and energy materials in a household with related services, accommodation with related services, etc.). Weighting systems for calculation of index also differ. The weighting system for calculation of retail price index is based on the value structure of retail turnover, whereas the weighting system for calculation of index of the cost of living is based on the value structure of personal consumption of households in the City of Zagreb.

Indices of retail price and costs of living have been calculated for the City of Zagreb since 1952; so, for the purpose of overview of the trends, they can be compared to the indices for the Republic of Croatia for the period until 2003. In 2004, the Croatian Bureau of Statistics published that the consumer price index (CPI) is a unique and general measure of inflation, with index development methodology in accordance with the principles and recommendations of the International Labour Organisation and the uniform Eurostat method for Harmonised Index of Consumer Prices (HICP). The City of Zagreb will calculate and publish the consumer price index (CPI) upon conducting the Survey on the consumption of households on the extended sample, based on the harmonised methodology accepted and applied by the Croatian Bureau of Statistics.

Definitions and explanations

Retail price is the price of goods or services in the final stage of trading, i.e. the price at which retail outlets, individual manufacturers and service providers sell their products and provide their services to the end user. This price includes value-added tax.

Retail price index is an indicator of trends in the prices of goods and services in retail trade. It is calculated based on the index lists of products and services and the corresponding weights.

Costs of living index is the retail price index of those products and services comprising the personal consumption of an average household in one year, with weighting based on the consumption structure obtained by virtue of the Survey on Consumption of Households in the City of Zagreb that was conducted in 1988 and that is adjusted each year in terms of annual price fluctuations. Therefore, this index measures retail price fluctuation of goods and services for personal consumption, and it is not an indicator of changes in the level and structure of the costs of living.

Index lists are the lists of products and services whose individual prices and the relevant weighting system are used to calculate the price index of a specific group. A separate, specific list exists for each price category. Elements of an index list, consisting of the above-mentioned goods and services, are selected in such a manner that their own price trends represent the group price trends of related, mostly substitute products and services.

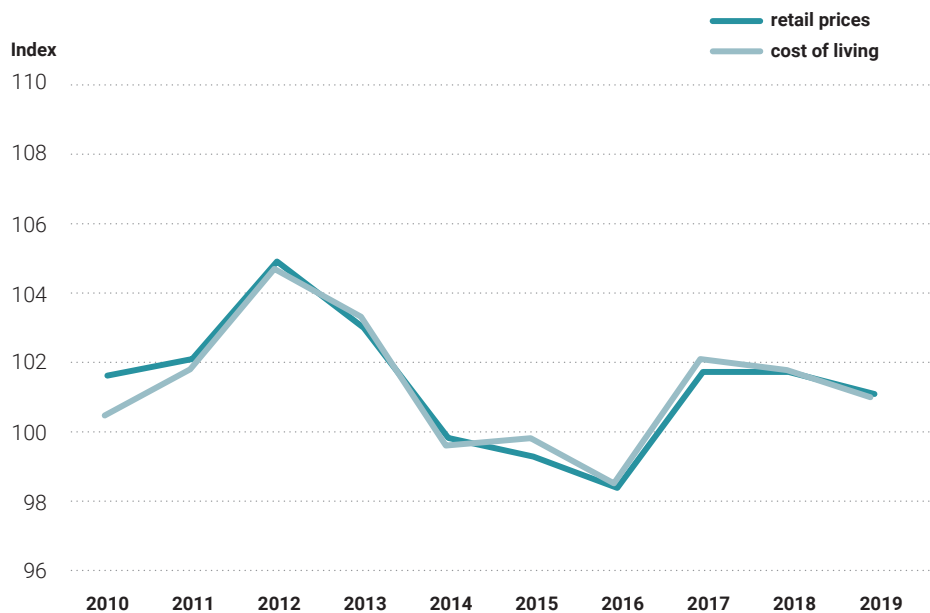
Total indices and group indices are calculated by weighting, in which case the weights per individual goods or services and per group of goods or services represent a share of goods or services in the total value of retail turnover and of personal consumption within the territory of the City of Zagreb in one year.

8.1 Chain indices of retail prices by product groups

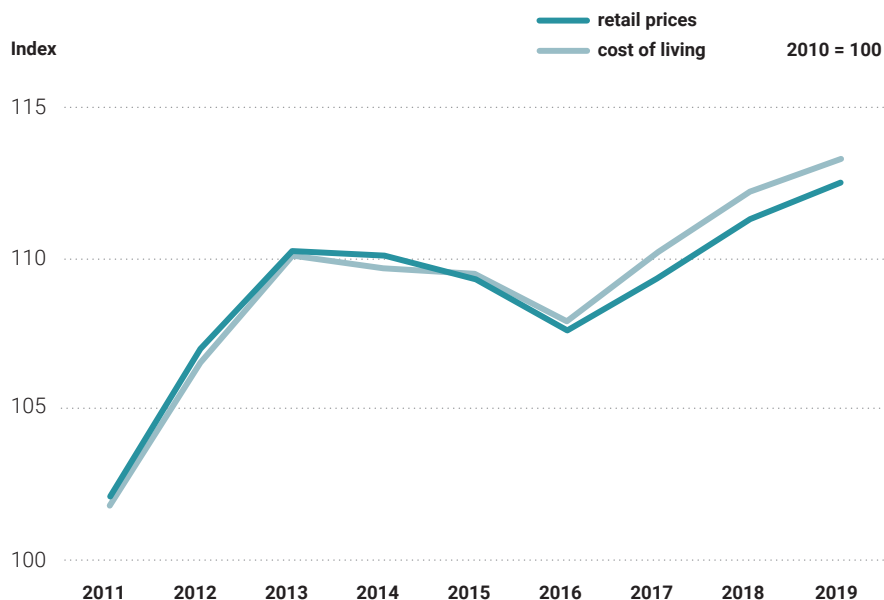
	2010 2009	2011 2010	2012 2011	2013 2012	2014 2013	2015 2014	2016 2015	2017 2016	2018 2017	2019 2018
Retail prices – total	101.6	102.1	104.9	103.0	99.8	99.3	98.4	101.7	101.7	101.1
Goods	101.5	102.3	104.4	103.3	100.1	99.1	98.0	102.0	102.1	101.3
Agricultural food products	97.9	99.6	106.4	107.9	95.2	103.9	96.9	108.3	102.0	99.8
Industrial products – total	101.5	102.3	104.3	103.3	100.3	98.9	97.9	101.7	102.2	101.5
Food products	97.3	103.5	101.5	102.4	97.4	99.3	99.4	102.6	101.1	100.8
Non-food products	103.1	101.9	105.8	102.3	99.9	97.9	96.9	101.4	102.3	100.8
Beverages	97.3	100.4	97.4	101.5	101.5	100.7	100.7	100.4	100.5	100.6
Tobacco	103.4	105.9	105.2	113.4	108.3	102.0	100.1	102.8	103.4	105.5
Food products – total	97.3	102.9	102.2	103.2	97.3	99.9	99.0	103.4	101.1	100.8
Services	102.5	100.9	106.5	102.3	98.7	100.4	100.1	100.2	101.0	100.0

Source: CBS; processing: COSPDC – Department of Statistical and Analytical Affairs

G 8.1 Changes in chain indices of retail prices and cost of living from 2010 to 2019



G 8.2 Changes in indices of retail prices and cost of living from 2011 to 2019



8.2 Chain indices of cost of living by type of living expenses

	2010 2009	2011 2010	2012 2011	2013 2012	2014 2013	2015 2014	2016 2015	2017 2016	2018 2017	2019 2018
Cost of living – total	100.5	101.8	104.7	103.3	99.6	99.8	98.5	102.1	101.8	101.0
Purpose of expenditure										
Food	96.1	102.3	103.7	104.4	97.1	99.5	97.8	104.6	101.1	100.0
Beverage	97.6	100.3	97.4	101.3	100.9	101.0	101.7	100.3	100.7	100.6
Tobacco	103.4	106.0	105.2	113.4	108.3	102.0	100.1	102.8	103.4	105.5
Clothing, footwear, and services	100.5	97.5	96.5	99.1	98.8	100.5	102.7	102.8	98.7	97.3
Housing and services	100.8	101.5	107.1	104.4	105.3	102.4	99.9	100.4	100.7	101.1
Heating, lighting, and services	109.3	101.6	116.4	105.7	99.9	99.1	91.8	95.2	102.6	103.8
Household equipment and services	101.5	102.4	101.8	100.7	98.9	97.0	97.6	100.1	101.1	100.8
Hygiene, health care, and services	101.3	101.8	101.8	103.2	101.3	101.6	102.2	101.5	100.1	98.5
Education, culture, leisure, and services	101.5	100.2	100.0	101.4	100.5	100.2	100.7	102.7	103.0	103.4
Means of transport, services, and post and telecommunication services	104.4	104.1	108.9	100.6	97.2	96.8	97.6	102.4	103.3	100.1
Administrative and other services	120.8	100.0	100.7	100.2	100.0	99.1	101.0	95.3	99.6	100.0
Goods										
Goods	100.1	102.2	104.1	103.8	99.6	99.4	98.2	102.6	102.1	101.1
Services	102.5	100.9	106.0	102.6	100.1	100.9	99.4	100.2	100.7	100.6

Source: CBS; processing: COSPDC – Department of Statistical and Analytical Affairs

8.3 Average annual price increase rates

%

	1966 – 1970	1971 – 1975	1976 – 1980	1981 – 1985	1986 – 1990	1991 – 1995	1996 – 2000	2001 – 2005	2006 – 2010	2011 – 2015
Retail prices	10.5	20.9	17.9	48.4	317.1	261.1	4.1	2.9	3.3	1.8
Cost of living	10.6	20.7	18.8	47.7	316.7	257.3	4.8	2.7	3.6	1.8

Source: CBS; processing: COSPDC – Department of Statistical and Analytical Affairs

8.4 Indices of retail prices¹⁾

2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
100.0	102.1	107.1	110.3	110.1	109.3	107.6	109.4	111.3	112.5
97.9	100.0	104.9	108.0	107.8	107.0	105.3	107.1	108.9	110.1
93.3	95.3	100.0	103.0	102.8	102.1	100.5	102.2	103.9	105.0
90.6	92.5	97.1	100.0	99.8	99.1	97.5	99.2	100.9	102.0
90.8	92.7	97.3	100.2	100.0	99.3	97.7	99.4	101.1	102.2
91.4	93.4	98.0	100.9	100.7	100.0	98.4	100.1	101.8	102.9
92.9	94.9	99.6	102.5	102.3	101.6	100.0	101.7	103.4	104.5
91.3	93.3	97.9	100.8	100.6	99.9	98.3	100.0	101.7	102.8
89.8	91.7	96.3	99.1	98.9	98.2	96.7	98.3	100.0	101.1
88.8	90.7	95.3	98.0	97.8	97.1	95.6	97.2	98.9	100.0

¹⁾ Data is to be read only horizontally.

Source: CBS; processing: COSPDC – Department of Statistical and Analytical Affairs

8.5 Indices of cost of living¹⁾

2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
100.0	101.8	106.6	110.1	109.7	109.5	107.9	110.2	112.2	113.3
98.2	100.0	104.7	108.2	107.8	107.6	106.0	108.2	110.1	111.2
93.8	95.5	100.0	103.3	102.9	102.7	101.2	103.3	105.2	106.3
90.8	92.4	96.8	100.0	99.6	99.4	97.9	100.0	101.8	102.8
91.2	92.8	97.2	100.4	100.0	99.8	98.3	100.4	102.2	103.2
91.4	93.0	97.4	100.6	100.2	100.0	98.5	100.6	102.4	103.4
92.8	94.4	98.9	102.1	101.7	101.5	100.0	102.1	103.9	104.9
90.9	92.5	96.9	100.0	99.6	99.4	97.9	100.0	101.8	102.8
89.3	90.9	95.2	98.2	97.8	97.6	96.2	98.2	100.0	101.0
88.4	90.0	94.3	97.2	96.8	96.6	95.2	97.2	99.0	100.0

¹⁾ Data is to be read only horizontally.

Source: CBS; processing: COSPDC – Department of Statistical and Analytical Affairs

In 2019 gross investments into fixed assets amounted to 31.4 billion kuna and increased by 19.5% compared to 2018. Of the total gross investments, 91.1% are gross investments in new fixed assets whose increase was 17.7% compared to 2018.

09

Investments



Photo: D. Miloslavić, City of Zagreb

NOTES ON METHODOLOGY

Source and method of data collection

Data on gross investments are collected from the Annual Report on Gross Investments in Fixed Assets of Legal Entities (INV-P form).

The 2014 INV-P form was revised with regard to the previous years and partially adjusted in order to be harmonized with the revised international statistical standards and methodologies, the European System of Accounts (ESA 2010) and the United Nations System of National Accounts (SNA 2008).

Coverage and comparability

As of 2013 the reporting units selected by means of judgemental sampling were legal entities, large and medium-sized enterprises, financial and insurance institutions, budget beneficiaries small enterprises (since 2017 small and micro-entrepreneurs) selected by the judgemental sample method on the basis of the value of fixed assets and non-profit organizations – major investors.

Data source for the sample formation are the data collected and analysed from the annual and quarterly financial reports supplied by the Financial Agency (Fina).

Owing to the use of judgmental sampling method, as well as owing to the changes regarding the selection of elements of the basic sample set and revision of the form, the data dating from 2014 are not entirely comparable with data for the previous years.

Survey data have been grouped according to two principles. The first one is the organisational principle (according to the registered office and main activity of the investor), while the second one is the principle of kind-of-activity and territory (according to the location and purpose of the investment facility). Data are analysed according to the National Classification of Activities, 2007 version (NCA 2007).

Definitions and explanations

Sources of financing/acquisitions of investment in fixed assets include all amounts for investment in new and existing fixed assets for the reporting year, that is, the means of acquiring fixed assets regardless of whether they have been paid for or not.

Gross investments in new and existing fixed assets represent the total realised investments in tangible and intangible fixed assets of domestic or international origin, and fixed assets owned and acquired under financial leasing conditions. Realised investments include construction works and asset acquisitions during the reference year, regardless of whether they have been completed and paid for.

Gross investment in new fixed assets is a part of realised investment. It pertains to construction and acquiring of domestic and foreign fixed assets, significant improvements of existing fixed assets and used fixed assets imported during the reporting year which is treated as new because it increases the national wealth of the country.

9.1 Gross investment in fixed assets

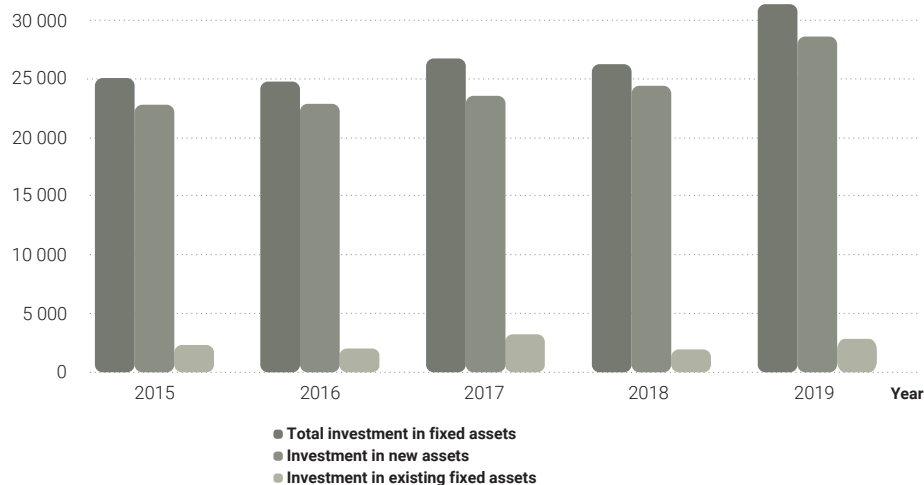
Thousands of HRK

	2015	2016	2017	2018	2019
Total	25 078 833	24 830 422	26 758 964	26 273 840	31 404 262
Investments in new fixed assets	22 828 609	22 924 846	23 586 374	24 311 286	28 616 183
In existing fixed assets	2 250 224	1 905 576	3 172 590	1 962 554	2 788 079

Source: CBS

G 9.1 Gross investment in fixed assets

mln. of HRK



9.2 Sources of financing/acquisition of investment in fixed assets

Thousands of HRK

Investor's activity by NCA 2007		Total	From own financial assets	Joint assets (domestic and foreign)	From financial credits and leasing	From EU funds	From funds and budgetary assets	Other
2015		25 078 833	13 640 046	238 811	5 595 115	1 363 626	2 784 663	1 456 572
2016		24 830 422	13 588 227	299 240	5 291 020	1 154 965	3 067 676	1 429 294
2017		26 758 964	14 570 642	207 838	7 288 482	890 355	2 484 131	1 317 516
2018		26 273 840	14 568 230	222 219	6 005 737	939 093	3 250 102	1 288 459
2019 Total		31 404 262	16 392 148	215 463	6 907 318	2 288 774	4 321 078	1 279 481
A	Agriculture, forestry, and fishing	695 961	426 278	-	77 524	32 484	-	159 675
B	Mining and quarrying	138 160	137 663	-	-	497	-	-
C	Manufacturing	3 355 799	2 156 252	33 900	1 086 190	61 383	7 021	11 053
D	Electricity, gas, steam, and air conditioning supply	3 161 988	1 902 270	93 782	205 539	204 525	350 000	405 872
E	Water supply; sewerage, waste management, and remediation activities	367 490	134 466	69 558	141 627	-	17 489	4 350

9.2 Sources of financing/acquisition of investment in fixed assets

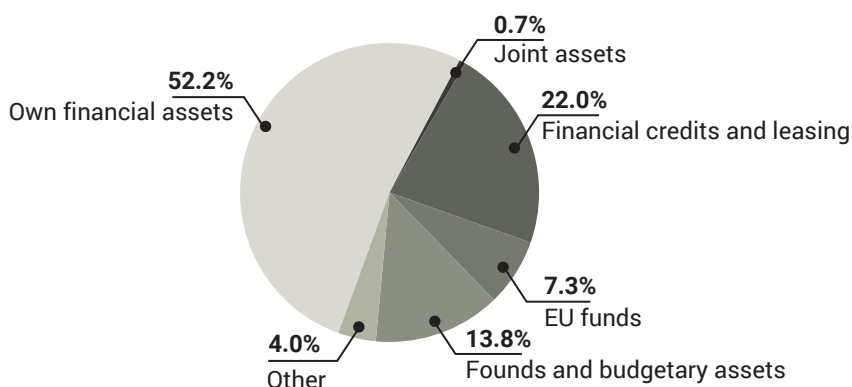
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Thousands of HRK

Investor's activity by NCA 2007		Total	From own financial assets	Joint assets (domestic and foreign)	From financial credits and leasing	From EU funds	From funds and budgetary assets	Other
F	Construction	2 182 418	451 989	12 598	157 684	522 487	1 032 892	4 768
G	Wholesale and retail trade; repair of motor vehicles and motorcycles	2 850 627	2 510 282	-	322 018	1 291	341	16 695
H	Transportation and storage	3 508 343	1 599 820	-	962 709	626 749	313 404	5 661
I	Accommodation and food service activities	353 236	163 374	181	170 701	496	156	18 328
J	Information and communication	3 433 191	3 139 742	-	31 019	103 148	20 570	138 712
K	Financial and insurance activities	3 164 069	1 692 131	-	1 468 655	917	-	2 366
L	Real estate activities	1 583 260	843 535	4 865	689 673	-	37 402	7 785
M	Professional, scientific, and technical activities	493 053	310 332	200	75 677	50 644	45 103	11 097
N	Administrative and support service activities	1 819 739	334 448	371	1 398 993	-	-	85 927
O	Public administration and defence; compulsory social security	3 333 541	88 769	-	82 968	548 736	2 246 329	366 739
P	Education	144 762	44 862	-	4 163	41 690	28 352	25 695
Q	Human health and social work activities	336 197	131 840	-	22 607	80 549	88 380	12 821
R	Arts, entertainment, and recreation	410 482	263 204	8	8 739	12 390	124 754	1 387
S	Other service activities	71 946	60 891	-	832	788	8 885	550

Source: CBS

G 9.2 Sources of financing/acquisition of investment in fixed assets in 2019



9.3 Gross investment in fixed assets by types of assets, by the location and investment activity

Thousands of HRK

Investor's activity by NCA 2007		Total	Buildings, spaces and structures	Machinery and equipment with fitting	Transport equipment	Intellectual property products	Others
2015		25 078 833	9 765 159	7 782 264	4 207 516	1 354 658	1 969 236
2016		24 830 422	8 928 996	7 737 127	4 592 512	1 738 920	1 832 867
2017		26 758 964	9 389 612	8 638 114	4 640 210	1 908 940	2 182 088
2018		26 273 840	9 219 511	8 183 188	4 677 036	2 170 533	2 023 572
2019 Total		31 404 262	12 398 369	9 553 971	4 555 535	2 350 328	2 546 059
A	Agriculture, forestry, and fishing	695 961	87 956	74 590	40 735	2 012	490 668
B	Mining and quarrying	138 160	27 698	59 166	5 222	44 372	1 702
C	Manufacturing	3 355 799	973 267	1 976 421	79 552	104 278	222 281
D	Electricity, gas, steam, and air conditioning supply	3 161 988	1 745 079	1 314 187	25 537	62 578	14 607
E	Water supply; sewerage, waste management, and remediation activities	367 490	131 025	154 556	73 687	2 601	5 621
F	Construction	2 182 418	1 651 913	271 467	101 221	19 627	138 190
G	Wholesale and retail trade; repair of motor vehicles and motorcycles	2 850 627	1 125 691	867 915	261 764	88 367	506 890
H	Transportation and storage	3 508 343	2 024 589	795 617	431 230	60 437	196 470
I	Accommodation and food service activities	353 236	193 606	91 914	9 776	4 204	53 736
J	Information and communication	3 433 191	673 618	1 458 236	12 467	1 123 033	165 837
K	Financial and insurance activities	3 164 069	302 237	485 518	1 829 024	493 839	53 451
L	Real estate activities	1 583 260	1 171 015	77 523	19 021	2 298	313 403
M	Professional, scientific, and technical activities	493 053	122 350	163 653	14 460	66 811	125 779
N	Administrative and support service activities	1 819 739	12 349	226 931	1 514 135	6 232	60 092
O	Public administration and defence; compulsory social security	3 333 541	1 868 890	942 537	111 126	240 851	170 137
P	Education	144 762	21 760	115 698	1 757	2 933	2 614
Q	Human health and social work activities	336 197	88 741	233 191	7 049	5 324	1 892
R	Arts, entertainment, and recreation	410 482	171 764	193 476	8 255	18 512	18 475
S	Other service activities	71 946	4 821	51 375	9 517	2 019	4 214

Source: CBS

9.4 Gross investment in new fixed assets by investment activity from Croatia and purpose activity by NCA 2007 in 2019

Thousands of HRK

Investor's activity		Purpose of investment						
		Total	Agriculture, forestry, and fishing	Mining and quarrying	Manufacturing	Electricity, gas, steam, and air conditioning supply	Water supply, sewerage, waste management, and remediation activities	Construction
			A	B	C	D	E	F
Total		28 616 183	692 590	986 955	2 623 193	3 223 340	613 378	2 531 988
A	Agriculture, forestry, and fishing	694 300	690 773	-	721	-	-	-
B	Mining and quarrying	135 583	-	135 423	-	-	-	60
C	Manufacturing	3 260 524	-	496 522	2 521 455	79 021	-	2 266
D	Electricity, gas, steam, and air conditioning supply	3 144 073	1 701	-	-	3 142 372	-	-
E	Water supply; sewerage, waste management, and remediation activities	362 652	116	-	-	-	257 812	2 171
F	Construction	1 986 189	-	2 827	150	-	-	1 921 480
G	Wholesale and retail trade; repair of motor vehicles and motorcycles	1 957 344	-	-	92 147	-	6 330	767
H	Transportation and storage	3 438 305	-	352 167	-	-	-	306 269
I	Accommodation and food service activities	313 934	-	-	893	-	-	-
J	Information and communication	3 428 900	-	-	1 173	-	-	-
K	Financial and insurance activities	2 772 512	-	14	-	-	-	-
L	Real estate activities	1 078 279	-	-	-	791	-	7 943
M	Professional, scientific, and technical activities	422 047	-	-	2 433	646	444	20 811
N	Administrative and support service activities	1 627 803	-	-	-	-	-	-
O	Public administration and defence; compulsory social security	3 076 706	-	2	-	510	348 792	270 221
P	Education	143 274	-	-	-	-	-	-
Q	Human health and social work activities	310 989	-	-	4 221	-	-	-
R	Arts, entertainment, and recreation	396 131	-	-	-	-	-	-
S	Other service activities	66 638	-	-	-	-	-	-

9.4 Gross investment in new fixed assets by investment activity from Croatia and purpose activity by NCA 2007 in 2019

(Continued)

Thousands of HRK

Investor's activity		Purpose of investment						
		Wholesale and retail trade; repair of motor vehicles and motorcycles	Transportation and storage	Accommodation and food service activities	Information and communication	Financial and insurance activities	Real estate activities	Professional, scientific, and technical activities
		G	H	I	J	K	L	M
Total		2 023 178	2 922 670	431 818	3 368 746	2 678 174	1 473 846	408 035
A	Agriculture, forestry, and fishing	-	2 806	-	-	-	-	-
B	Mining and quarrying	-	-	-	-	-	-	-
C	Manufacturing	155 691	-	-	4 016	-	-	1 213
D	Electricity, gas, steam, and air conditioning supply	-	-	-	-	-	-	-
E	Water supply; sewerage, waste management, and remediation activities	-	17 232	5 965	907	-	69 536	-
F	Construction	-	-	29 700	-	-	26 263	3 561
G	Wholesale and retail trade; repair of motor vehicles and motorcycles	1 821 207	7 131	727	10 760	-	8 871	8 856
H	Transportation and storage	-	2 779 415	-	-	-	392	62
I	Accommodation and food service activities	6 124	-	295 670	-	-	99	-
J	Information and communication	-	-	-	3 308 922	-	-	-
K	Financial and insurance activities	45	-	59 098	35 852	2 675 426	-	1 852
L	Real estate activities	7 301	-	11 217	4 062	-	1 037 067	5 328
M	Professional, scientific, and technical activities	2 685	-	27 314	-	156	-	362 641
N	Administrative and support service activities	30 125	-	2 127	-	131	4 169	23 613
O	Public administration and defence; compulsory social security	-	116 086	-	4 178	2 461	327 415	743
P	Education	-	-	-	-	-	-	166
Q	Human health and social work activities	-	-	-	-	-	-	-
R	Arts, entertainment, and recreation	-	-	-	-	-	-	-
S	Other service activities	-	-	-	49	-	34	-

9.4 Gross investment in new fixed assets by investment activity from Croatia and purpose activity by NCA 2007 in 2019

(Continued)

Thousands of HRK

Investor's activity	Purpose of investment							
	Administrative and support service activities	Public administration and defence; compulsory social	Education	Human health and social work activities	Arts, entertainment, and recreation	Other service activities	Activities of households as employers; undifferentiated goods – producing and services – producing activities of households for own use	Activities of extraterritorial organizations and bodies
	N	O	P	Q	R	S	T	U
Total	1 634 269	1 408 569	543 527	564 996	405 761	81 150	-	-
A Agriculture, forestry, and fishing	-	-	-	-	-	-	-	-
B Mining and quarrying	100	-	-	-	-	-	-	-
C Manufacturing	-	-	-	-	340	-	-	-
D Electricity, gas, steam, and air conditioning supply	-	-	-	-	-	-	-	-
E Water supply; sewerage, waste management, and remediation activities	6 108	-	-	-	-	2 805	-	-
F Construction	5	-	-	-	2 203	-	-	-
G Wholesale and retail trade; repair of motor vehicles and motorcycles	6	-	-	-	-	542	-	-
H Transportation and storage	-	-	-	-	-	-	-	-
I Accommodation and food service activities	11 088	-	60	-	-	-	-	-
J Information and communication	-	-	118 805	-	-	-	-	-
K Financial and insurance activities	21	-	-	-	204	-	-	-
L Real estate activities	1 338	-	-	-	3 232	-	-	-
M Professional, scientific, and technical activities	136	-	-	4 781	-	-	-	-
N Administrative and support service activities	1 567 638	-	-	-	-	-	-	-
O Public administration and defence; compulsory social security	44 633	1 407 970	281 680	253 447	7 320	11 248	-	-
P Education	-	599	142 455	-	54	-	-	-
Q Human health and social work activities	-	-	-	306 768	-	-	-	-
R Arts, entertainment, and recreation	3 196	-	527	-	392 408	-	-	-
S Other service activities	-	-	-	-	-	66 555	-	-

Source: CBS

In 2019, the total revenue of the budget increased by 4.9% and the total expenditures by 7.1% compared to 2018. Most of the total budgetary funds, i.e. 21.4% or 2.18 billion kuna, was spent on education.

10

City administrative bodies and companies



Photo: M. Gašparović, ZTB

NOTES ON METHODOLOGY

Source and method of data collection

Data on administrative bodies, branch offices of administrative bodies and the districts of the City of Zagreb have been taken from valid legal documents that regulate their constitution and work on the territory of the City of Zagreb.

Information on presidents and vice-presidents as well as on the number of members of City District Councils was obtained from the City Office for Local Self-Government, while information on the number of employees in administrative bodies of the City was obtained from the Professional service of the Mayor.

Data on the City budget were obtained from the City Office for Financing, which are announced in the Official Bulletin of the City of Zagreb, and since 2015 have also been available on the official web site of the City of Zagreb – Guide to the City of Zagreb Budget.

Data on the Zagreb Holding Group d. o. o. structure, employees and financial report of the Group were obtained from the Zagreb Holding Group.

On 1 January 2018, the City Office for Economy, Work and Entrepreneurship became the City Office for Economy, Energetics and Environment Protection and took over the activities and staff of the abolished City Office for Energetics, Environmental Protection and Sustainable Development (Official Gazette of the City of Zagreb No. 19/17).

The City Office of International Relations and Human Rights was established on 1 January 2018 and took over part of the Mayor's Office activities and staff.

The City Office for Demography was established on 1 January 2018 and took over part of activities and staff of the City Office for Strategic Planning and Development of the City, City Office for Social Protection and People with Disabilities and City Office for Education, Culture and Sport (Official Gazette of the City of Zagreb No. 19/17).

The Professional Service of the City Assembly was established on 5 February 2019 as a city administrative body (Official Gazette of the City of Zagreb No. 2/19).

Definitions and explanations

City administrative bodies, which constitute the City Administration in a specific way, are established for performing tasks within the scope of the City of Zagreb and for performing the entrusted tasks of the state administration in accordance with the law, the Statute of the City of Zagreb and other regulations. City administrative bodies are established as sectors, bureaus and offices, which constitute the City Administration in the narrow sense. The official decision on their constitution and scope is made by the City Assembly of the City of Zagreb in line with the provisions of Article 13 of the City of Zagreb Act (Official Gazette Nos 62/01, 125/08, 36/09, 119/14 and 98/19).

On 1 January 2017, Service for Local Self-Administration changed its name into City Office for the Local Self-Administration (Official Gazette of the City of Zagreb No. 23/16).

Branch offices of the City Administration are constituted for the area of one or more districts as branch units of the City Administration aimed at performing administrative work, work of local self-government and other work pertaining to implementing the rights and interests of citizens. The local offices of city administration were established in accordance with Article 23 of the Decision on the Organisation and Scope of City Administrative Bodies (Official Gazette of the City of Zagreb Nos 11/05 and 16/09).

City Districts along with a local committees, is a form of local self-government in the City of Zagreb through which citizens participate in the decision-making process in a self-governing areas of the City and local affairs that directly affect their daily lives and work.

District councils are elected by citizens of every district, while council members select the president of the council among themselves.

City districts were established by the Statute of the City of Zagreb, and the boundaries of City Districts are determined by the Decision on the boundaries of areas and headquarters of city districts.

City budget is the basic legal and financial document for the assessment of revenues and receipts and determination of expenses and costs of the City for the budget year (from 1 January until 31 December) and it is based on the Accounting Act (OG Nos 87/08, 136/12 and 15/15), the annual Economic and Fiscal Policy Guidelines issued by the Government, and the Instructions of the Ministry of Finance for drawing up budgets of local and regional self-governments units. The budget is adopted by the City Assembly at the proposal of the Mayor.

The City budget comprises three parts. The first, general part includes the statement of revenue and expenditure, and the financing statement. The second, special part classifies expenditures and expenses of financing according to type, organisational unit and their beneficiaries, and it distinguishes them according to the programmes which consist of project activities. The third part, i.e. the plan of development programmes, contains the objectives and priorities of the City's development that are related to the programme and organisational classification of the budget.

Statement of revenue and expenditure shows collected and spent funds throughout a year. In the financing statement, records are made on the use of surplus in cases when the revenues are greater than expenditures, as well as on the manner in which the funding gap is financed if the expenditure is greater than the revenue.

Budget expenditure according to purpose refers to budgetary funds spent for education, health care, city transport service, maintenance of public areas, property owned by the City, culture, sport, environmental protection, social protection, construction and maintenance of utility infrastructure, aimed at the improvement of quality of life and living conditions of the citizens of Zagreb.

Beneficiaries of the budget funds are the administrative bodies of the City (offices, bureaus and services) as well as other beneficiaries established and mostly financed by the City and which are recorded in the Register of Budgetary and Extra-Budgetary Users to which funds are allocated from the budget (public health institutions, health centres, polyclinics, hospitals and institutes, pre-schools, primary and secondary schools, social welfare institutions, fire departments etc.)

The company Zagreb Holding d. o. o. was founded in 2006 in line with the Companies Act as the City Housing and Municipal Services Company d. o. o. In January 2007, the Company changed its name to Zagreb Holding d. o. o. in 100% ownership of the City of Zagreb. Zagreb Holding d. o. o. was established to perform public services and activities that are of interest of the City.

Its activities are grouped in four business areas: municipal, traffic, trade and energy. By implementing centralized business functions, the Group manages investment funds aimed at the development and advancement of activities, city infrastructure as well as municipal and service activities that are of interest to all citizens.

10.1 Administrative bodies of the City of Zagreb¹⁾

Status as of 31 December 2019

1.	Professional service of the Mayor
2.	The Mayor's Office
3.	City Control Office
4.	City Office for the Strategic Planning and Development of the City
5.	City Office for General Administration
6.	City Office for Economy, Energetics and Environment protection
7.	City Office for Education
8.	City Office for Health
9.	City Office for social protection and people with disabilities
10.	City Office for Agriculture and Forestry
11.	City Office for Physical Planning, Construction of the City, Utility Services and Transport
12.	City Office for Legal – Property Relations and the City's assets
13.	City Office for Cadastre and Geodetic activities
14.	City Office of emergency management
15.	City Institute for the Conservation of Cultural and Natural Heritage
16.	City Office for Demography
17.	City Office for Sport and Youth
18.	City Office for culture
19.	Office of international relations and human rights
20.	City Office for the Local Self - Administration
21.	City Office for Financing
22.	City Office for War Veterans
23.	Public Procurement Office
24.	Office for EU programs and projects
25.	Professional Service of the City Assembly

¹⁾ See Notes on Methodology.

10.2 Branch offices of the City Administration¹⁾

	Branch offices of the City Administration	City District
1.	Branch office Centar	City District Centar City District Podsljeme
2.	Branch office Čnomerec	City District Čnomerec
3.	Branch office Dubrava	City District Gornja Dubrava City District Donja Dubrava
4.	Branch office Maksimir	City District Maksimir
5.	Branch office Medveščak	City District Gornji grad - Medveščak
6.	Branch office Novi Zagreb	City District Novi Zagreb - istok City District Novi Zagreb - zapad City District Brezovica
7.	Branch office Peščenica	City District Peščenica
8.	Branch office Sesvete	City District Sesvete
9.	Branch office Susedgrad	City District Stenjevec City District Podsused – Vrapče
10.	Branch office Trešnjevka	City District Trešnjevka - sjever City District Trešnjevka - jug
11.	Branch office Trnje	City District Trnje

¹⁾ See Notes on Methodology.

10.3 City districts of Zagreb¹⁾

Status as of 31 December 2019

	City district	Presidents and Vice Presidents of the City District Council		Number of members of the City District Council
1.	Donji Grad	Petar Paradžik	President of the City District Council	15
		Vilim Matula	Vice-President of the City District Council	
2.	Gornji grad - Medveščak	Mirjana Džaja	President of the City District Council	15
		Luka Bogdan	Vice-President of the City District Council	
3.	Trnje	Mato Bartoluci	President of the City District Council	15
		Vedran Mihelčić	Vice-President of the City District Council	
4.	Maksimir	Stanko Gačić	President of the City District Council	15
		Livija Butuči	Vice-President of the City District Council	
5.	Peščenica - Žitnjak	Dragan Vučić	President of the City District Council	19
		Mario Župan	Vice-President of the City District Council	
6.	Novi Zagreb - east	Milenko Arapović	President of the City District Council	19
		Frane Barbarić	Vice-President of the City District Council	
7.	Novi Zagreb - west	Jadranko Baturić	President of the City District Council	19
		Dražen Hrkač	Vice-President of the City District Council	
8.	Trešnjevka - north	Ivan Butorac	President of the City District Council	19
		Kristijan Jelić	Vice-President of the City District Council	
9.	Trešnjevka - south	Danijel Samaržija ²⁾	President of the City District Council	19
		Darko Mrzlec ³⁾	Vice-President of the City District Council	
10.	Črnomerec	Josip Jelić ⁴⁾	President of the City District Council	15
		Ljiljana Peršinec	Vice-President of the City District Council	
11.	Gornja Dubrava	Damir Oniško	President of the City District Council	19
		Ninoslav Vranješ	Vice-President of the City District Council	
12.	Donja Dubrava	Milan Draženiović	President of the City District Council	15
		Antun Bačić	Vice-President of the City District Council	
13.	Stenjevec	Željko Jeger	President of the City District Council	19
		Jure Šarić	Vice-President of the City District Council	
14.	Podsused - Vrapče	Dejan Kljajić	President of the City District Council	15
		Ivan Vukoja ⁵⁾	Vice-President of the City District Council	
15.	Podsljeme	Krešimir Kompesak	President of the City District Council	11
		Nenad Cebić	Vice-President of the City District Council	
16.	Sesvete	Stjepan Kezerić	President of the City District Council	19
		Dražen Markota	Vice-President of the City District Council	
17.	Brezovica	Marina Pucević	President of the City District Council	11
		Vladimir Iviček	Vice-President of the City District Council	

¹⁾ See Notes on Methodology.²⁾ Until May 28 Ivan Magdić was acting President.³⁾ Until May 28 Danijel Samaržija was acting Vice-President.⁴⁾ Until November 12 Martin Postružnik was acting President.⁵⁾ Until October 9 Aljoša Bosnar was acting Vice-President.

Source: GUMS

10.4 Employees in administrative bodies of the City of Zagreb by age groups

Status as of 31 December

	Number of employees			Structure of employees, %			Indices	
	2017	2018	2019	2017	2018	2019	2018 2017	2019 2018
Total	2 935	3 022	3 165	100.0	100.0	100.0	103.0	104.7
19 - 24	17	26	40	0.6	0.9	1.3	152.9	153.8
25 - 34	422	457	510	14.4	15.1	16.1	108.3	111.6
35 - 44	877	874	888	29.9	28.9	28.1	99.7	101.6
45 - 54	878	939	971	29.9	31.1	30.7	106.9	103.4
55 - 64	700	692	718	23.8	22.9	22.7	98.9	103.8
65 and over	41	34	38	1.4	1.1	1.2	82.9	111.8

Source: City of Zagreb, Professional Service of the Mayor;
processing: COSPDC – Department of Statistical and Analytical Affairs

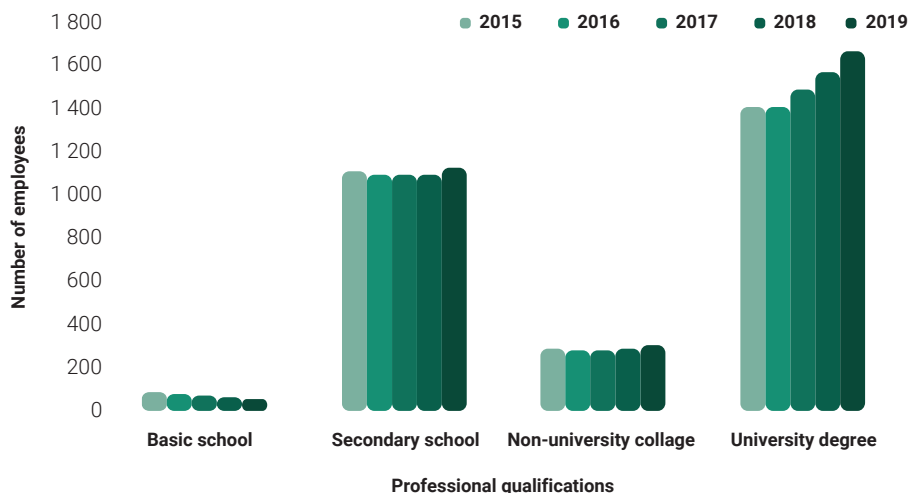
10.5 Employees in administrative bodies of the City of Zagreb by professional attainment and sex

Status as of 31 December

	Total	Professional attainment level				Sex	
		Basic school	Secondary school	Non-university college	University degree	Women	Men
2015	2 893	85	1 110	288	1 410	1 885	1 008
2016	2 860	76	1 094	278	1 412	1 866	994
2017	2 935	68	1 095	280	1 492	1 903	1 032
2018	3 022	61	1 097	289	1 575	1 951	1 071
2019	3 165	59	1 131	307	1 668	2 030	1 135

Source: GZ, SSG

G 10.1 Employees in administrative bodies of the City of Zagreb by professional attainment from 2015 to 2019



10.6 Employees in administrative bodies of the City of Zagreb by name of administrative body

Status as of 31 December					
Name of administrative body	2015	2016	2017	2018	2019
Total	2 893	2 860	2 935	3 022	3 165
Professional service of the Mayor	126	129	146	161	164
The Mayor's Office	344	359	364	342	344
City Control Office	27	27	24	24	25
City Office for the Strategic Planning and Development of the City	64	73	82	78	82
City Assembly Professional Service	308	304	301	291	289
City Office for Economy, Business and Entrepreneurship ¹⁾	95	95	94	-	-
City Office for Energetics, Environment protection and Sustainable development ¹⁾	48	46	47	-	-
City Office for Economy, Energetics and Environment Protection ¹⁾	-	-	-	153	161
City Office for Education, Culture and Sport ¹⁾	122	126	123	-	-
City Office for Education ¹⁾	-	-	-	81	92
City Office for Health	41	39	36	41	42
City Office for social protection and people with disabilities	70	69	83	72	79
City Office for Agriculture and Forestry	49	51	52	58	57
City Office for Physical Planning, Construction of the City, Utility Services and Transport	717	652	661	652	701
City Office for Legal-Property Relations and the City's assets	228	238	242	248	237
City Office for Cadastre and Geodetic activities	167	166	163	162	158
City Office of emergency management	22	23	24	24	22
City Institute for the Conservation of Cultural and Natural Meritage	33	34	33	39	41
City Office for Demography ¹⁾	-	-	-	27	36
City Office for Sport and Youth ¹⁾	-	-	-	20	32
City Office for Culture ¹⁾	-	-	-	29	31
City Office of International Relations and Human Rights ¹⁾	-	-	-	37	44
City Office for the Local Self-Administration ¹⁾	128	128	146	156	180
City Office for Financing	116	118	119	129	128
City Office for War Veterans	50	48	51	49	56
Public Procurement Office	73	73	79	76	79
Office for EU programs and projects	18	16	20	29	38
Professional Service of the City Assembly ¹⁾	47	46	45	44	47

¹⁾ See Notes on Methodology.

Source: GZ, SSG

10.7 Employees in administrative bodies of the City of Zagreb by professional attainment

Status as of 31 December

Name of administrative body	2018					2019				
	Total	Level of Education				Total	Level of Education			
		Primary	Secondary	Higher	High		Primary	Secondary	Higher	High
Total	3 022	61	1 097	289	1 575	3 165	59	1 131	307	1 668
Professional service of the Mayor	161	2	46	25	88	164	2	49	27	86
The Mayor's Office	342	5	198	16	123	344	5	197	18	124
City Control Office	24	-	2	-	22	25	-	1	1	23
City Office for the Strategic Planning and Development of the City	78	-	20	10	48	82	-	19	11	52
City Office for General Administration	291	45	190	12	44	289	43	189	13	44
City Office for Economy, Business and Entrepreneurship ¹⁾	153	-	32	15	106	161	-	34	16	111
City Office for Education ¹⁾	81	-	15	14	52	92	-	13	19	60
City Office for Health	41	-	4	4	33	42	-	4	4	34
City Office for social protection and people with disabilities	72	-	10	8	54	79	-	11	8	60
City Office for Agriculture and Forestry	58	-	8	2	48	57	-	8	-	49
City Office for Physical Planning, Construction of the City, Utility Services and Transport	652	3	166	78	405	701	3	198	77	423
City Office for Legal-Property Relations and the City's assets	248	2	98	23	125	237	1	96	23	117
City Office for Cadastre and Geodetic activities	162	4	89	12	57	158	5	86	12	55
City Office of emergency management	24	-	7	3	14	22	-	7	2	13
City Institute for the Conservation of Cultural and Natural Heritage	39	-	6	1	32	41	-	6	1	34
City Office for Demography ¹⁾	27	-	9	5	13	36	-	10	7	19
City Office for Sport and Youth ¹⁾	20	-	1	2	17	32	-	2	6	24
City Office for Culture ¹⁾	29	-	4	2	23	31	-	3	2	26
City Office of International Relations and Human Rights ¹⁾	37	-	5	3	29	44	-	6	4	34
City Office for the Local Self-Administration ¹⁾	156	-	78	14	64	180	-	79	18	83
City Office for Financing	129	-	52	30	47	128	-	51	25	52

10.7 Employees in administrative bodies of the City of Zagreb by professional attainment

(Continued)

Status as of 31 December

Name of administrative body	2018					2019				
	Total	Level of Education				Total	Level of Education			
		Primary	Secondary	Higher	High		Primary	Secondary	Higher	High
City Office for War Veterans	49	-	16	7	26	56	-	20	7	29
Public Procurement Office	76	-	22	2	52	79	-	22	3	54
Office for EU programs and projects	29	-	3	1	25	38	-	3	3	32
Professional Service of the City Assembly ¹⁾	44	-	16	-	28	47	-	17	-	30

¹⁾ See Notes on Methodology.

Source: GZ, SSG

10.8 Employees in administrative bodies of the City of Zagreb by sex

Status as of 31 December

Name of administrative body	2018			2019		
	Total	Women	Men	Total	Women	Men
Total	3 022	1 951	1 071	3 165	2 030	1 135
Professional service of the Mayor	161	112	49	164	110	54
The Mayor's Office	342	116	226	344	116	228
City Control Office	24	16	8	25	17	8
City Office for the Strategic Planning and Development of the City	78	58	20	82	61	21
City Office for General Administration	291	233	58	289	229	60
City Office for Economy, Business and Entrepreneurship ¹⁾	153	113	40	161	119	42
City Office for Education ¹⁾	81	61	20	92	67	25
City Office for Health	41	34	7	42	34	8
City Office for social protection and people with disabilities	72	59	13	79	65	14
City Office for Agriculture and Forestry	58	32	26	57	33	24
City Office for Physical Planning, Construction of the City, Utility Services and Transport	652	351	301	701	364	337
City Office for Legal-Property Relations and the City's assets	248	178	70	237	175	62
City Office for Cadastre and Geodetic activities	162	98	64	158	96	62
City Office of emergency management	24	11	13	22	10	12
City Institute for the Conservation of Cultural and Natural Meritage	39	33	6	41	37	4
City Office for Demography ¹⁾	27	23	4	36	29	7
City Office for Sport and Youth ¹⁾	20	8	12	32	16	16

10.8 Employees in administrative bodies of the City of Zagreb by sex

(Continued)

Status as of 31 December

Name of administrative body	2018			2019		
	Total	Women	Men	Total	Women	Men
City Office for Culture ¹⁾	29	24	5	31	24	7
City Office of International Relations and Human Rights ¹⁾	37	33	4	44	38	6
City Office for the Local Self-Administration ¹⁾	156	94	62	180	108	72
City Office for Financing	129	109	20	128	109	19
City Office for War Veterans	49	41	8	56	48	8
Public Procurement Office	76	57	19	79	60	19
Office for EU programs and projects	29	19	10	38	25	13
Professional Service of the City Assembly ¹⁾	44	38	6	47	40	7

¹⁾ See Notes on Methodology.

Source: GZ, SSG

10.9 City of Zagreb Budget revenues

Thousands of HRK

	2017	2018	2019	Indices		
				<u>2017</u> 2016	<u>2018</u> 2017	<u>2019</u> 2018
Total revenues	8 322 285	9 122 568	9 572 440	101.9	109.6	104.9
Operating revenues	8 169 848	9 065 269	9 414 235	100.6	111.0	103.8
Tax revenues	4 592 510	5 394 842	5 513 194	95.2	117.5	102.2
Personal income tax and surtax	4 299 628	4 928 652	5 102 934	94.9	114.6	103.5
Property taxes	193 781	376 741	313 743	113.2	194.4	83.3
Taxes on goods and services	99 101	89 449	96 517	78.9	90.3	107.9
Aid (grants)	433 788	298 536	460 743	246.9	68.8	154.3
Revenues from assets	420 079	480 559	431 759	101.2	114.4	89.8
Revenues from financial assets	1 828	69 286	3 790	25.9	- ¹⁾	5.5
Revenues from non-financial assets	418 052	411 048	427 865	102.5	98.3	104.1
Revenues from interest on loans extended	199	225	104	77.1	113.1	46.2
Revenues from administrative fees, fees from special regulations	1 396 462	1 501 572	1 563 331	101.1	107.5	104.1
Administrative fees	46 968	40 440	41 504	94.7	86.1	102.6
Revenues generated as per special regulations	514 578	548 206	566 323	102.9	106.5	103.3
Communal contributions and fees	834 916	912 926	955 504	100.4	109.3	104.7
Revenue from applicable budget under contractual obligations	1 017 487	1 044 745	1 124 031	100.1	102.7	107.6
Other revenues	309 522	345 015	321 177	101.9	111.5	93.1

10.9 City of Zagreb Budget revenues

(Continued)

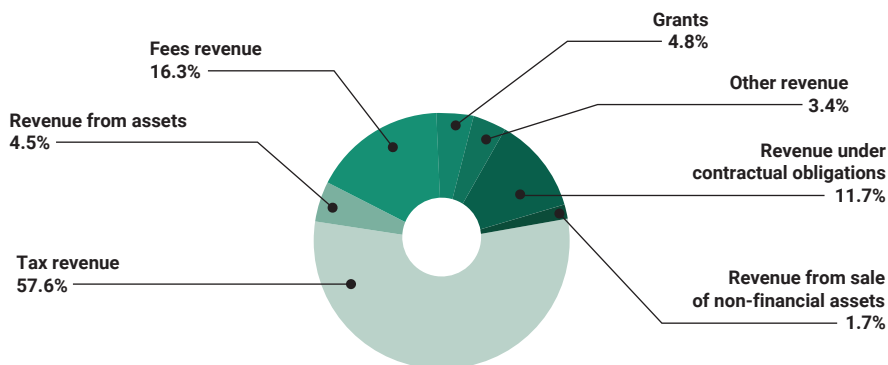
Thousands of HRK

	2017	2018	2019	Indices		
				<u>2017</u> 2016	<u>2018</u> 2017	<u>2019</u> 2018
Revenues from sale of non-financial assets	152 437	57 299	158 205	294.7	37.6	276.1
Revenues from sale of non-produced fixed assets	120 804	21 088	99 039	541.9	17.5	469.6
Revenues from sale of tangible assets – natural resources	118 455	15 799	97 284	555.0	13.3	615.8
Revenues from sale of non-tangible assets	2 349	5 290	1 755	247.5	225.2	33.2
Revenues from sale of produced fixed assets	31 633	36 211	59 166	107.5	114.5	163.4
Revenues from sale of buildings	30 972	35 937	58 458	107.4	116.0	162.7
Other revenues from the sale of plants and equipment	477	112	123	152.9	23.5	109.8
Revenue from sale of means of transport	184	163	352	62.8	88.6	216.0
Revenues from sale of books, works of art and other valuable exhibits	-	-	233	-	-	-

¹⁾ The index exceeds 999.9.

Source: GUF; processing: COSPDC – Department of Statistical and Analytical Affairs

G 10.2 Structure of City budget revenue in 2019



10.10 City of Zagreb Budget expenditures

Thousands of HRK

	2017	2018	2019	Indices		
				2017 2016	2018 2017	2019 2018
Total expenditures	8 762 208	9 530 416	10 203 310	107.3	108.8	107.1
Business expenditures	8 078 017	8 428 090	8 974 924	106.5	104.3	106.5
Employee expenses	2 701 594	2 797 789	3 073 160	106.2	103.6	109.8
Material expenditures	3 120 156	3 191 704	3 357 022	103.3	102.3	105.2
Financial expenses	95 175	140 536	67 895	89.0	147.7	48.3
Subsidies	694 527	734 603	836 995	106.7	105.8	113.9
Grants	55 570	71 693	61 236	70.6	129.0	85.4
Compensation to citizens and households based on insurance and other compensations	645 820	727 526	789 212	146.2	112.7	108.5
Other expenses	765 175	764 239	789 404	103.3	99.9	103.3
Expenses for acquisition of non-financial assets	684 191	1 102 326	1 228 386	116.8	161.1	111.4
Expenses for acquisition of non-produced assets	30 160	31 092	64 510	140.9	103.1	207.5
Expenses for acquisition of produced fixed assets	574 977	936 061	1 006 558	115.3	162.8	107.5
Expenses for purchase of precious metals and other valuables	178	97	-	234.2	54.5	-
Expenses for additional investments in nonfinancial assets	78 876	135 076	157 318	120.7	171.3	116.5

Source: GUF; processing: COSPDC – Department of Statistical and Analytical Affairs

10.11 City of Zagreb financing account

Thousands of HRK

	2017	2018	2019	Indices		
				2017 2016	2018 2017	2019 2018
Receipts from financial assets and borrowing	394 824	633 255	634 647	178.4	160.4	100.2
Extended loans principles repayment receipts (returns)	25 981	37 440	28 952	585.8	144.1	77.3
Receipts from sale of shares and stakes	106	26	245	29.6	24.5	942.3
Receipts from sale of shares and stakes	368 737	595 789	605 438	170.3	161.6	101.6
Receipts from sale of securities from portfolio	-	-	12	-	-	-
Financial assets and loan repayment expenses	404 006	364 053	577 980	142.8	90.1	158.8
Expenses for extended loans and deposits	25 597	28 751	21 224	109.5	112.3	73.8
Expenses for investments in securities	-	-	-	-	-	-
Expenses for principal repayment of loans received	378 409	335 292	556 715	145.9	88.6	166.0
Expenses for shares and stakes	-	10	41	-	-	410.0
Net lending/borrowing	- 9 182	269 202	56 667	14.9	-¹⁾	21.0

¹⁾ The index exceeds 999.9.

Source: GUF; processing: COSPDC – Department of Statistical and Analytical Affairs

10.12 Administrative bodies of the City of Zagreb Budget expenditures

	Thousands of HRK		
	2017	2018	2019
Total	9 166 214	9 894 469	10 781 290
Professional service of the Mayor	80 418	93 159	95 855
The Mayor's Office	140 481	118 270	124 080
City Control Office	5 769	5 607	6 405
City Office for the Strategic Planning and Development of the City	29 228	31 844	40 191
City Office for General Administration	54 135	53 146	56 632
City Office for Economy, Work and Entrepreneurship ¹⁾	948 161	-	-
City Office for Energetics, Environmental Protection and Sustainable Development ¹⁾	86 348	-	-
City Office for Economy, Energetics and Environment Protection ¹⁾	-	1 157 449	1 531 428
City Office for Education, Culture and Sport ¹⁾	3 028 862	-	-
City Office for Education ¹⁾	-	1 795 625	1 893 763
City Office for Health	1 508 049	1 649 530	1 626 654
City Office for Social Protection and People with Disabilities	593 203	505 032	507 201
City Office for Agriculture and Forestry	83 527	78 965	80 235
City Office for Physical Planning, Construction of the City, Utility Services and Transport	812 196	1 094 881	1 269 539
City Office for Legal – Property Relations and the City's assets	501 731	512 127	606 994
City Office for Cadastre and Geodetic activities	31 313	32 457	32 422
City Office of emergency management	100 179	104 222	102 520
City Institute for the Conservation of Cultural and Natural Heritage	7 981	8 356	8 780
City Office for Demography ¹⁾	-	408 101	490 826
City Office for Sport and Youth ¹⁾	-	576 875	526 925
City Office for Culture ¹⁾	-	620 495	632 594
City Office of International Relations and Human Rights ¹⁾	-	24 220	25 694
City Office for the Local Self-Administration ¹⁾	825 259	760 279	820 537
City Office for Financing	243 203	195 786	226 646
City Office for War Veterans	21 792	21 271	20 078
Public Procurement Office	17 099	16 335	17 723
Office for EU programs and projects	5 142	6 777	8 548
Professional Service of the City Assembly ¹⁾	42 138	23 660	29 020

¹⁾ See Notes on Methodology.

Source: GUF

10.13 City of Zagreb Budget expenditures by purpose

Thousands of HRK

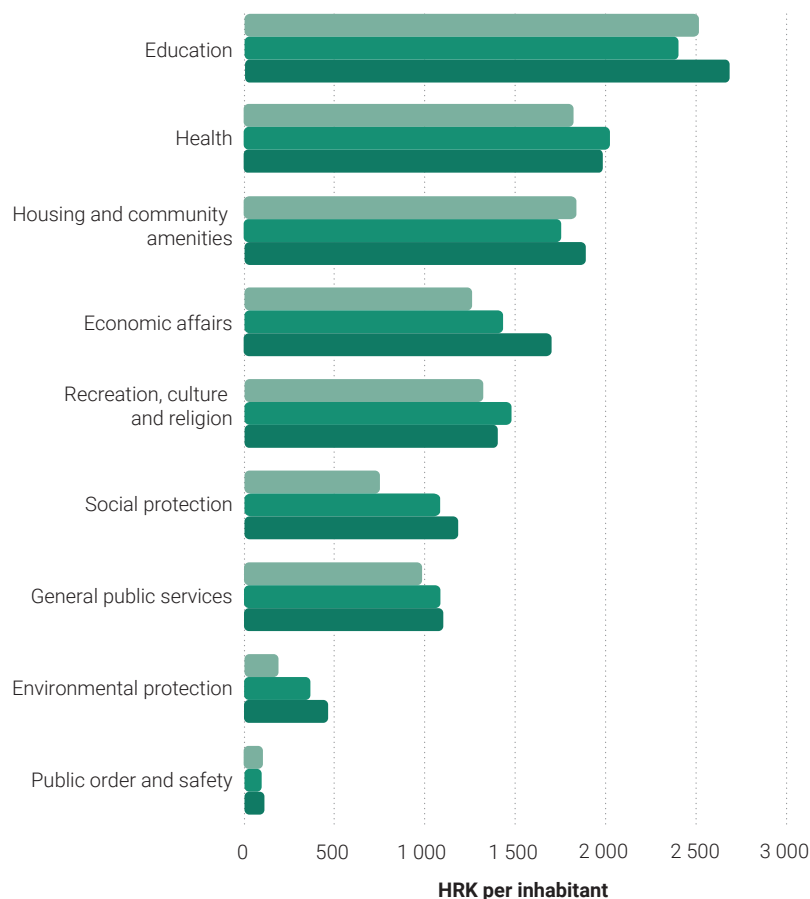
	2017	2018	2019	Structure, %		Indices		
				2018	2019	2017 2016	2018 2017	2019 2018
Total	8 762 208	9 530 416	10 203 310	100.0	100.0	107.3	108.8	107.1
General public services	797 900	883 653	901 313	9.3	8.8	108.2	110.7	102.0
Public order and safety	94 837	85 466	96 766	0.9	0.9	100.4	90.1	113.2
Economic affairs	1 020 437	1 162 974	1 379 718	12.2	13.5	81.1	114.0	118.6
Environmental protection	163 986	298 711	384 030	3.1	3.8	119.3	182.2	128.6
Housing and community amenities	1 486 118	1 426 605	1 536 243	15.0	15.1	127.0	96.0	107.7
Health	1 476 862	1 635 004	1 610 221	17.2	15.8	105.2	110.7	98.5
Recreation, culture and religion	1 076 226	1 207 050	1 148 904	12.7	11.3	105.5	112.2	95.2
Education	2 031 894	1 945 082	2 179 355	20.4	21.4	117.7	95.7	112.0
Social protection	613 948	885 871	966 760	9.3	9.5	99.1	144.3	109.1

Source: GUF; processing: COSPDC – Department of Statistical and Analytical Affairs

G 10.3 City of Zagreb Budget expenditures by purpose, per inhabitant¹⁾, 2017–2019

Expenditures by purpose

2017 2018 2019

¹⁾Population estimated based on 2011 Census data, natural trends and migration balance.

10.14 Companies, organization forms and activities of the Zagreb Holding Group

Status as of 31 December 2019

Branches, companies and institutions	Main activity
Branches of the Zagreb Holding Group d. o. o.	
1. Arena Zagreb	Management and maintenance of sports facilities
2. Zagreb Bus Terminal	Bus terminal services
3. City Waste Disposal	Cleaning, waste disposal
4. City Cemeteries	Funerary and similar activities
5. Zagreb Freight Station	Goods storage
6. Zagreb Markets	Wholesale and retail markets, storage
7. Real Estate Management	Real estate property services
8. Project Management	Construction and sale of apartments
9. Vladimir Nazor	Organized vacations for young people and travel agency
10. Zagreb Roads	Management, maintenance and construction of regional and local roads
11. Zagreb Digital City	Telecommunication ducts and network leasing
12. Zagrebparking	Services at public parking lots and garages
13. ZGOS Landfill Management	Waste collection and disposal
14. Zrinjevac	Landscaping and maintenance of green spaces
Companies and institutions in 100% ownership of the Group	
1. AGM d.o.o.	Publishing services
2. Centre d. o. o.	Organizing summer sports vacations for young people
3. City Pharmacies Zagreb	Pharmacy services
4. Zagreb City Gasworks-Supply d. o. o.	Gas supply
5. Zagreb City Gasworks d. o. o.	Gas distribution
1. Elektrometal - distribucija plina d.o.o. ¹⁾	Gas distribution
6. City Housing and Municipal Services Company d. o. o. - GSKG d. o. o.	Building management
7. Water Supply and Drainage d. o. o.	Water collection, treatment and distribution
8. Zagreb Housing Construction d. o. o.	Construction and sale of apartments
Company in 51% ownership of the Group	
1. Zagreb Plakat d. o. o.	Advertising space leasing

¹⁾ Since 16 August 2018, 100 percent owned by Zagreb City Gasworks d.o.o.

Source: ZH

10.15 Employees in the Zagreb Holding Group

Status as on 31 December

	2016	2017	2018 ¹⁾	2019
Employees - total	10 394	11 286	7 529	7 794
Women				
In the total number of employees, %	23	23	26	26
In management positions, %	57	54	46	37

¹⁾ In January 2018, the subsidiaries of the Zagreb Holding Company: Zagreb Electric Tram and Zagreb Fair were separated and established as d.o.o.

Source: ZH; processing: COSPDC – Department of Statistical and Analytical Affairs

10.16 Employees of the Zagreb Holding Group, by age groups

Status as on 31 December

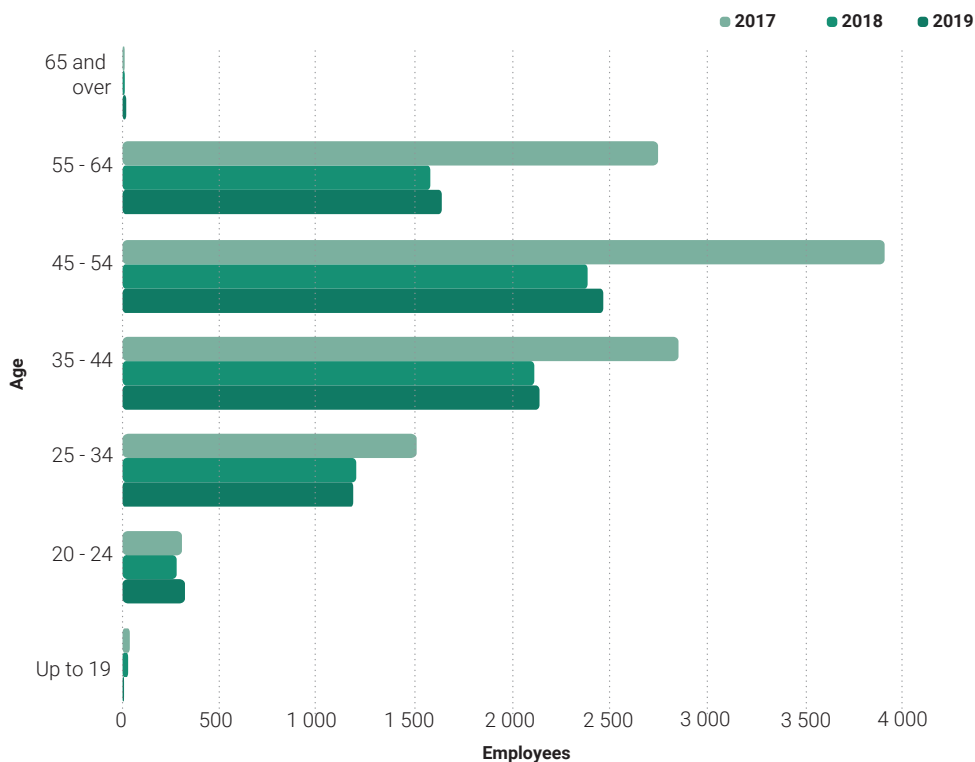
	Number of employees			Employment structure, %			Indices		
	2017	2018 ¹⁾	2019	2017	2018 ¹⁾	2019	2017 2016	2018 2017	2019 2018
Total	11 286	7 529	7 794	100.0	100.0	100.0	108.6	66.7	103.5
Up to 19	20	13	4	0.2	0.2	0.1	- ²⁾	65.0	30.8
20 - 24	272	267	317	2.4	3.5	4.1	175.5	98.2	118.7
25 - 34	1 508	1 206	1 199	13.4	16.0	15.4	128.6	80.0	99.4
35 - 44	2 859	2 113	2 176	25.3	28.1	27.9	106.3	73.9	103.0
45 - 54	3 898	2 399	2 469	34.5	31.9	31.7	101.3	61.5	102.9
55 - 64	2 724	1 526	1 619	24.1	20.3	20.8	107.9	56.0	106.1
65 and over	5	5	10	0.1	0.1	0.1	250.0	100.0	200.0

¹⁾ In January 2018, the subsidiaries of the Zagreb Holding Company: Zagreb Electric Tram and Zagreb Fair were separated and established as d.o.o.

²⁾ Index exceeds 999.9.

Source: ZH; processing: COSPDC – Department of Statistical and Analytical Affairs

G 10.4 Employees of the Zagreb Holding Group, by age groups, 2017 - 2019



10.17 Profit and loss account of the Zagreb Holding Group

Thousands of HRK

	2017	2018 ¹⁾	2019	Indices		
				<u>2017</u> 2016	<u>2018</u> 2017	<u>2019</u> 2018
Total income	5 428 744	4 017 610	4 233 552	102.8	74.0	105.4
Operating income	5 221 257	3 847 177	4 087 552	103.5	73.7	106.2
Sales income	3 793 578	3 263 744	3 506 889	98.7	86.0	107.4
Other operating income	1 427 679	583 433	580 663	118.7	40.9	99.5
Financial income	207 487	170 433	146 000	87.5	82.1	85.7
Total expenses	5 413 318	3 916 607	4 210 828	104.7	72.4	107.5
Operating expenses	5 118 880	3 690 372	4 013 084	105.7	72.1	108.7
Cost of material and services	2 244 894	1 931 273	2 153 870	99.2	86.0	111.5
Staff costs	1 678 606	1 057 120	1 147 561	104.3	63.0	108.6
Depreciation	529 667	377 135	389 698	96.6	71.2	103.3
Value adjustment of assets	423 624	152 475	163 286	253.2	36.0	107.1
Provisioning	106 342	67 037	58 111	98.5	63.0	86.7
Other operating expenses	135 747	105 332	100 558	93.5	77.6	95.5
Financial expenses	294 438	226 235	197 744	89.0	76.8	87.4
Profit before tax	15 426	101 003	22 724	14.0	654.8	22.5
Tax (expense)	- 13 722	28 493	8 413	38.8	-	29.5
Profit in the year	1 704	72 510	14 311	2.3	- ²⁾	19.7
Other comprehensive profit						
Profit from revaluation of real estate properties (net)	-	4 945	159 875	-	-	- ²⁾
Profit from valuation of available-for-sale financial assets	- 2 606	1 008	420	-	-	41.7
Other changes in comprehensive profit	-	-		-	-	
Total comprehensive profit in the year	- 902	78 463	174 606	-	- ²⁾	222.5

¹⁾ In January 2018, the subsidiaries of the Zagreb Holding Company: Zagreb Electric Tram and Zagreb Fair were separated and established as d.o.o.

²⁾ Index exceeds 999.9.

Source: ZH; processing: COSPDC – Department of Statistical and Analytical Affairs

11

Agriculture and forestry



Photo: J. Duval, ZTB

NOTES ON METHODOLOGY

Source of data

Data on agriculture are collected directly from the Paying Agency for Agriculture, Fisheries and Rural Development, the Croatian Agricultural Agency, the City Office for Agriculture and Forestry of the City of Zagreb, and the Croatian Bureau of Statistics. Sources of data on forestry (state forests) include the Forestry Directorate – Zagreb Branch Office of the public company Croatian Forest Management Company Ltd., and Faculty of Forestry in Zagreb – Department of Training and Forest Research Centres. With regard to privately owned forests, data are collected from the Advisory Service.

In accordance with the Conclusion on the Implementation of the project “City Gardens” of 4 April 2013 (Official Gazette of the City of Zagreb 9/13 and 25/13), a project titled “City Gardens” was launched for designing and equipping of arable land owned by the City of Zagreb. Aim of the project is to give part of arable land (plot of garden) to the citizens of Zagreb, for production of food (vegetables and berries), herbs and flowers for citizens’ own needs.

Coverage and comparability

Data collected include all business entities operating in the field of agriculture and forestry.

Definitions and explanations

Register of Agricultural Holdings is a database containing data on agricultural holdings and their resources. In order to be registered in the Register of Agricultural Holdings, an agricultural holding has to own agricultural resources (agricultural land and/or livestock) and carry out agricultural activities that include plant cultivation, livestock breeding and accompanying service activities.

Arkod is a digital record on the use of agricultural land. It is an integral part of an integrated administrative and control system by virtue of which EU member countries assign, monitor and control direct payments.

Arkod parcel is a continuous area of agricultural land that is cultivated by only one agricultural holding. It is classified according to the type of land use. Data from the ARKOD database and the Register of Agricultural Holdings were collected and analysed according to the farmer’s headquarters.

Agricultural holding is a production and economic unit engaged in agricultural production. It operates as a company, a craft or a co-operative, provided that it is registered for carrying out agricultural activities, or as a private family farm.

Private family farm is an economic unit engaged in agricultural production, irrespective of its purpose or whether its products are intended for sale on the market or only for personal consumption.

Number of animals pertains to the total number of animals of all categories, according to species. Data on cattle, equidae, sheep and goats are updated every day, based on animal marking and reported circulation. The number of pigs is based on data specified in the Annual Report on the Number of Pigs, which is submitted by the pig keepers in December, for the purpose of the Register of Domestic Animals kept by the Croatian Agricultural Agency.

Organic holdings are agricultural holdings with a label as defined in the Council Regulation (EC) No. 834/2007 of 28 June 2007 on organic production and labelling of organic products, as well as in the Ordinance on Organic Production (Official Gazette 19/16).

Forest is an area covered with forest trees that form a forest stand, on a surface area of more than ten acres (Official Gazette 140/05).

Surface areas of forest land and forest are presented based on valid forest management plans, which are updated regularly, that is, every ten years. As of 2008, the data pertains to the City of Zagreb.

Gross volume of harvested timber encompasses fallen logs (of non-coniferous and coniferous wood), mining timber (of non-coniferous and coniferous wood), other long timber (of non-coniferous and coniferous wood), cord (of non-coniferous and coniferous wood), firewood (of non-coniferous and coniferous wood) as well as other roughly processed wood. Wood waste and loss resulting from cutting is also included in the gross volume of harvested timber. Data for the relevant table have been obtained based on the net volume of produced wood, multiplied by the planned waste.

Firewood (of non-coniferous and coniferous wood) is used directly as fuel or for production of charcoal. This type of wood is used due to its heating power. Therefore, the level of firewood dryness, dimension and the way of stacking is very important. There are two types of firewood: hardwood (beech, hornbeam, oak) and softwood (birch, poplar, willow and alder).

Industrial wood (of non-coniferous and coniferous wood) includes all kinds of wood suitable for mechanical processing, such as logs (sawlogs and veneer logs), mining timber, transmission-line and telephone-line pylon, other long timber, oval timber, and alike.

Mining timber (of non-coniferous and coniferous wood) has different technical purposes due to its very good physical and chemical properties. It is used for construction and maintaining of pits and shafts, i.e. for construction underground and on the surface.

Logs (of non-coniferous and coniferous wood) are parts of tree trunks intended for further processing by sawing, sometimes by cutting and peeling, owing to their good physical and chemical properties. Logs are intended to be industrially processed. The term logs includes logs for cutting, veneer logs and logs for peeling.

Pulpwood includes oval and cut coniferous wood, beech and soft-leaved trees. It is used for production of cellulose and artificial fibres.

Other industrial wood (roughly processed timber) pertains to small technical wood suitable for production of wooden poles and spears, various laths and pillars for fences, handles for various tools and similar. This type of wood is made from stump flanges, sweet chestnut, oak, ash-tree, cherry, sour cherry and other, all of which are cut down during winter.

11.1 Agricultural areas in the Land Parcel Identification System (LPIS) by type of use

	2017		2018		2019	
	Plots		Plots		Plots	
	Area, ha	Number	Area, ha	Number	Area, ha	Number
Total	7 541	17 696	7 469	17 917	7 716	18 096
Arable land	5 293	10 488	5 295	10 480	5 414	10 614
Greenhouses	39	398	41	441	42	473
Meadows	1 697	4 030	1 628	4 139	1 740	4 201
Grazing land	57	108	64	113	104	138
Vineyards	100	1 003	100	982	92	928
Orchards	288	1 533	301	1 599	305	1 622
Plant nurseries	14	13	3	11	1	9
Permanent cropland, mixed crops	12	76	12	75	11	71
Other types of land	41	47	25	77	7	40

Source: Paying Agency for Agriculture, Fisheries, and Rural Development

11.2 Number of domestic animals

	2017	2018	2019
Cattle			
Number of heads	3 145	2 600	2 614
Number of farms	448	344	315
Average number of livestock per farm	7.0	7.6	8.3
Pigs			
Number of heads	9 073	5 481	8 195
Number of farms	1 037	378	814
Average number of livestock per farm	8.8	14.5	10.1
Sheep			
Number of heads	2 345	3 125	2 816
Number of farms	74	79	79
Average number of livestock per farm	31.7	39.6	35.6
Goats			
Number of heads	506	599	555
Number of farms	69	70	70
Average number of livestock per farm	7.3	8.6	7.9
Horses			
Number of heads	588	601	611
Number of farms	102	105	112
Average number of livestock per farm	5.8	5.7	5.5

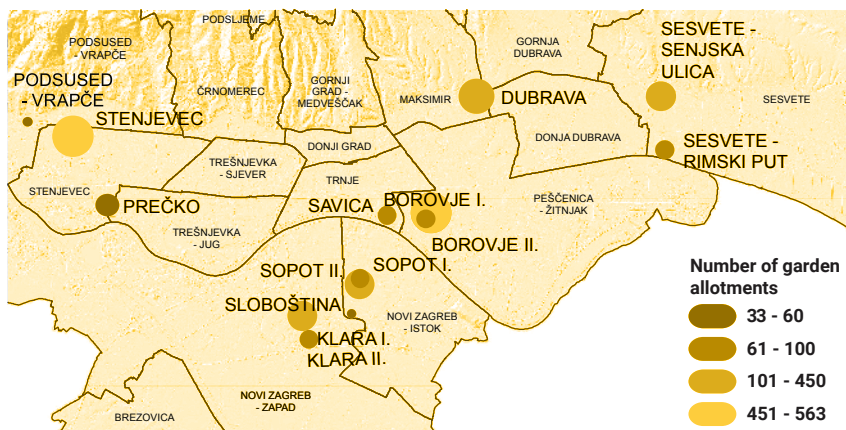
Source: Croatian Agricultural Agency

11.3 Allotment gardens

City garden name	City district	2017		2018		2019		Urban garden area, m ²
		Number of garden allotments	Number of users of garden allotments	Number of garden allotments	Number of users of garden allotments	Number of garden allotments	Number of users of garden allotments	
Total	7	2 083	1 772	2 124	1 796	2 098	1 742	225 720
Savica	Trnje	64	64	64	64	63	62	20 000
Dubrava	Maksimir	129	129	129	129	128	128	11 500
Borovje I.	Peščenica – Žitnjak	90	90	90	90	89	88	14 264
Borovje II.	Peščenica – Žitnjak	589	278	591	263	563	258	48 719
Sopot I.	Novi Zagreb – east	227	227	229	229	229	223	24 865
Sopot II.	Novi Zagreb – east	65	65	65	65	65	62	6 395
Sloboština	Novi Zagreb – east	33	33	33	33	33	33	2 840
Klara I.	Novi Zagreb – west	118	118	117	117	117	109	18 800
Klara II.	Novi Zagreb – west	64	64	64	64	64	63	5 345
Stenjevec	Stenjevec	478	478	478	478	478	477	47 700
Prečko	Stenjevec	59	59	59	59	61	61	5 450
Sesvete – Senjska Street	Sesvete	102	102	102	102	104	98	10 250
Sesvete – Rimski Road	Sesvete	65	65	65	65	66	62	5 970
Podsused - Vrapče	Podsused - Vrapče	-	-	38	38	38	18	3 622

Source: City Office for Agriculture and Forestry

K 11.1 Allotment gardens



11.4 Ecological agriculture

	2017	2018	2019
Organic holdings – total	229	228	260
Agricultural producers	194	195	225
Agricultural processors	35	33	35
Area of ecologically used agricultural land by categories – total, ha	1 846	732*	428
Arable land and gardens	1 398	377*	256
Permanent grassland	95	65	71
Permanent cropland (no strawberries)	353	290	101
Ecological production of used agricultural land, t			
Grains	1 418	106	165
Industrial plants	555	34	24
Silage	1 229	341	380
Vineyards	21	152	-
Number of ecologically bred livestock by species			
Cattle	209	-	-
Pigs	...	-	-
Sheep	165	83	103
Goats	57	50	94

Source: CBS

11.5 Area of forest land

ha

	Forest land by ownership, status as of 31 December								
	2017			2018			2019		
	Total	State-owned forests	Private forests	Total	State-owned forests	Private forests	Total	State-owned forests	Private forests
Forest land – total	20 168	10 241	9 927	20 464	10 241	10 223	20 313	10 090	10 223
Forests – total	19 732	9 838	9 894	19 997	9 838	10 159	19 861	9 702	10 159
Non-coniferous wood	18 177	8 354	9 823	18 442	8 354	10 088	18 306	8 218	10 088
Common beech	5 522	2 642	2 880	5 552	2 642	2 910	5 553	2 643	2 910
Common oak	3 615	2 525	1 090	3 694	2 525	1 169	3 561	2 392	1 169
Sessile oak	5 322	2 274	3 048	5 381	2 274	3 107	5 333	2 226	3 107
Downy oak	48	-	48	48	-	48	48	-	48
Holm oak	-	-	-	-	-	-	-	-	-
Turkey oak	1	1	-	1	1	-	1	1	-
Narrow-leaved ash	70	42	28	70	42	28	62	34	28

11.5 Area of forest land

(Continued)

ha

	Forest land by ownership, status as of 31 December								
	2017			2018			2019		
	Total	State-owned forests	Private forests	Total	State-owned forests	Private forests	Total	State-owned forests	Private forests
Common hornbeam	1 301	183	1 118	1 398	183	1 215	1 393	178	1 215
Other hardwood	1 816	338	1 478	1 816	338	1 478	1 814	336	1 478
Black alder	228	105	123	228	105	123	231	108	123
Poplar and willow plantations	243	243	-	243	243	-	243	243	-
Other non-coniferous softwood	11	1	10	11	1	10	67	57	10
Coniferous wood	1 455	1 442	13	1 455	1 442	13	1 455	1 442	13
Fir with beach (mixed)	1 216	1 203	13	1 216	1 203	13	1 216	1 203	13
Ordinary spruce	57	57	-	57	57	-	57	57	-
Silver fir	-	-	-	-	-	-	-	-	-
Black pine	36	36	-	36	36	-	37	37	-
Other coniferous wood	146	146	-	146	146	-	145	145	-
Degraded forest stands	100	42	58	100	42	58	100	42	58
Other forest land – total	298	267	31	329	267	62	311	249	62
Bare land:									
Production (clearings, rocky terrain, etc.)	142	119	23	142	119	23	143	120	23
Non-production (clearcuts, sods, plan, etc.)	156	148	8	187	148	39	168	129	39
Barren land – total (forest roads, waterways, canals etc.)	138	136	2	138	136	2	141	139	2

Source: Croatian Forest Management Company, Forest Administration, subsidiary Zagreb; Faculty of Forestry – Department of Training and Forest Research Centres and Croatian Advisory Service; processing: COSPDC – Department of Statistical and Analytical Affairs

11.6 Forests by purpose

ha

	Forests by ownership, status 31 December					
	Total		State-owned forests		Private forests	
	2013	2019	2013	2019	2013	2019
Forests – total	18 350	19 861	8 745	9 702	9 605	10 159
For economic purposes	11 014	12 279	3 819	3 958	7 195	8 321
Protection forests	-	91	-	91	-	-
Special-purpose forests	7 336	7 491	4 926	5 653	2 410	1 838
Forests and parts of forests intended for production of forest seed	-	-	-	-	-	-
Protected areas	7 336	4 620	4 926	4 620	2 410	-
Forests intended for scientific research, teaching, and defence of the Republic of Croatia	-	2 871	-	1 033	-	1 838

Source: Croatian Forest Management Company, Forest Administration, subsidiary Zagreb; Faculty of Forestry – Department of Training and Forest Research Centres and Croatian Advisory Service; processing: COSPDC – Department of Statistical and Analytical Affairs

11.7 Gross volume of harvested timber

m³

	2016	2017	2018	2019
Total	68 202	81 353	64 133	52 187
Hardwood	56 692	68 545	57 762	50 073
Oak	23 749	22 500	22 943	23 788
Beech	23 287	31 512	23 310	18 156
Poplar	-	66	5	418
Other hardwood	9 656	14 467	11 504	7 711
Softwood	11 510	12 808	6 371	2 114
Fir, spruce, and Douglas fir	7 628	5 098	3 655	417
Pine and larch	2 470	6 320	1 583	380
Other softwood	1 412	1 390	1 133	1 317

Source: Croatian Forest Management Company, Forest Administration, subsidiary Zagreb; Faculty of Forestry – Department of Training and Forest Research Centres and Croatian Advisory Service; processing: COSPDC – Department of Statistical and Analytical Affairs

11.8 Production of forest products by ownership¹⁾m³

	2018			2019			Indices 2019/2018		
	Total	State forests	Private forests	Total	State forests	Private forests	Total	State forests	Private forests
Total amount of harvested wood	53 887	49 387	4 500	43 339	38 323	5 016	80.4	77.6	111.5
Coniferous wood	5 431	5 423	8	1 822	1 806	16	33.5	33.3	200.0
Non-coniferous wood	48 456	43 964	4 492	41 517	36 517	5 000	85.7	83.1	111.3
Firewood	28 791	26 541	2 250	22 300	19 350	2 950	77.5	72.9	131.1
Coniferous wood	2 036	2 036	-	296	296	-	14.5	14.5	-
Non-coniferous wood	26 755	24 505	2 250	22 004	19 054	2 950	82.2	77.8	131.1
Industrial wood	25 096	22 846	2 250	21 039	18 973	2 066	83.8	83.0	91.8
Coniferous wood	3 395	3 387	8	1 526	1 510	16	44.9	44.6	200.0
Non-coniferous wood	21 701	19 459	2 242	19 513	17 463	2 050	89.9	89.7	91.4
Logs (sawlog and veneer)	24 597	22 347	2 250	20 530	18 464	2 066	83.5	82.6	91.8
Coniferous wood	2 896	2 888	8	1 017	1 001	16	35.1	34.7	200.0
Non-coniferous wood	21 701	19 459	2 242	19 513	17 463	2 050	89.9	89.7	91.4
Pulpwood	499	499	-	509	509	-	102.0	102.0	-
Coniferous wood	499	499	-	509	509	-	102.0	102.0	-
Non-coniferous wood	-	-	-	-	-	-	-	-	-
Other industrial wood	-	-	-	-	-	-	-	-	-
Coniferous wood	-	-	-	-	-	-	-	-	-
Non-coniferous wood	-	-	-	-	-	-	-	-	-

¹⁾ Forest products are presented according to the codes from the Classification of Products by Activity in the Republic of Croatia – CPA 2008 (Official Gazette No. 108/08).

Source: Croatian Forest Management Company, Forest Administration, subsidiary Zagreb; Faculty of Forestry – Department of Training and Forest Research Centres and Croatian Advisory Service; processing: COSPDC – Department of Statistical and Analytical Affairs

In 2019, in the area of industry, the biggest value increase of sold industry products and export was achieved in the area of motor vehicles, trailers and semi-trailers for 23% and the biggest decrease was in the area of manufacture of other means of transport by 51% compared to 2018.

12

Industry



Photo: J. Duval, ZTB

NOTES ON METHODOLOGY

Sources of data

Data on the production of manufactured goods and export (PRODCOM) were obtained from the Croatian Bureau of Statistics, which collects data through a statistical electronic form known as the PRODCOM Annual Survey on Industrial Production.

PRODCOM Surveys on Industrial Production (IND-21/PRODCOM form) were carried out by the Croatian Bureau of Statistics for long period of time on the basis of the Official Statistics Act (Official Gazette Nos 103/03, 75/09, 59/12 and 12/13 – consolidated text). Concepts and definitions used in the PRODCOM Survey of the Republic of Croatia are harmonised with the Council Regulation (EEC) No. 3924/95 and with the Commission Regulation (EC) No. 912/2004 concerning statistics on PRODCOM industrial production.

Reporting units for PRODCOM survey are companies and other legal entities, tradesmen and parts thereof employing ten or more persons engaged in industrial production or services (their own or by agreement). These services are classified into industrial activities according to the National Classification of Activities of 2007 (Official Gazette Nos 58/07 and 72/07). The activities are divided into sections as follows: B Mining and quarrying, C Manufacturing, D Electricity, gas, steam and air conditioning supply, and E Water supply, sewerage waste management and remediation activities (division 36 only), as well as into divisions 05-36 of activities of the 2007 National Classification of Activities. Reporting units are also those companies, other legal entities and tradesmen that do not belong to the field of industry, but the parts of which carry out industrial activities.

Coverage and comparability

The subject of the PRODCOM survey is the total quantity and value of industrial products sold, i.e. the invoiced value of the total produced and sold industrial products defined by the Nomenclature of Industrial Products (NIP), and the reported quantities and values of the products sold for export or sold by the statistical unit abroad (export).

Definitions and explanations

PRODCOM result is the result of some activity of industrial production and it is used as a general name for products having a physical dimension, and for industrial services. According to the PRODCOM survey concept, PRODCOM result is defined by the Nomenclature of Industrial Products (NIP), which is the national version of the PRODCOM EU List.

Final product is any product that reached an adequate level of processing or completion in the production process and is therefore listed under a special code and name in the Nomenclature of Industrial Products. The term final product also includes all finishing operations such as cleaning, packaging, quality testing, lamination and alike.

Value of PRODCOM production sold is calculated based on the sales price that the producer has obtained or will obtain in the reporting period (invoiced value). The value of production includes packaging costs even if they are charged separately, but the following costs are excluded: any turnover tax and consumer tax charged (VAT and excises), separately charged freight costs and any discounts granted to customers.

12.1 Value of sold industrial products and export (PRODCOM) by production NCA 2007 activities, divisions, and sections

Thousands of HRK

			2017		2018 ^{1) 2)}		2019 ^{1) 2)}	
			Total	of which abroad	Total	of which abroad	Total	of which abroad
Total			33 707 484	22 104 957	22 462 862	10 421 694	23 912 035	10 987 493
B	Mining and quarrying		53 699	343	73 246	-	51 674	-
	08	Other mining and quarrying	2 505	-	2 379	-	2 512	-
	09	Mining support service activities	51 194	343	70 867	-	49 162	-
C	Manufacturing		22 254 737	10 962 717	22 389 616	10 421 694	23 860 361	10 987 493
	10	Manufacture of food products	4 812 033	942 689	4 863 809	983 518	4 963 903	1 096 196
	11	Manufacture of beverages	2 117 834	286 744	2 343 903	286 623	3 227 807	420 510
	13	Manufacture of textiles	63 533	22 571	65 174	20 302	60 440	19 732
	14	Manufacture of apparel	149 875	24 310	166 297	28 976	149 349	28 000
	15	Manufacture of leather and related products	28 559	6 524	31 384	10 083	35 960	13 447
	16	Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	326 840	134 155	255 606	157 993	225 054	113 661
	17	Manufacture of paper and paper products	772 238	257 160	819 829	287 039	878 910	313 295
	18	Printing and reproduction of recorded media	710 123	85 845	860 257	84 989	868 143	84 298
	19	Manufacture of coke and refined petroleum products	167 934	36 595	166 969	39 484	169 410	40 549
	20	Manufacture of chemicals and chemical products	489 335	224 685	497 829	240 194	503 673	233 657
	21	Manufacture of basic pharmaceutical products and pharmaceutical preparations	3 375 157	3 139 955	2 970 012	2 782 562	3 133 670	2 896 422
	22	Manufacture of rubber and plastic products	532 519	306 641	575 465	333 271	613 862	377 596
	23	Manufacture of other non-metallic mineral products	399 667	164 557	476 700	167 012	482 056	175 198

12.1 Value of sold industrial products and export (PRODCOM) by production NCA 2007 activities, divisions, and sections

(Continued)

Thousands of HRK

			2017		2018 ^{1) 2)}		2019 ^{1) 2)}	
			Total	of which abroad	Total	of which abroad	Total	of which abroad
	24	Manufacture of basic metals	31 066	10 807	18 416	7 113	19 545	7 849
	25	Manufacture of fabricated metal products, except machinery and equipment	664 520	368 117	599 319	253 924	649 006	334 296
	26	Manufacture of computer, electronic, and optical products	879 189	454 861	1 007 603	504 319	937 653	423 466
	27	Manufacture of electrical equipment	3 815 216	2 943 086	3 325 404	2 572 658	3 270 411	2 523 210
	28	Manufacture of machinery and equipment n. e. c.	272 430	163 282	286 165	173 540	325 034	229 650
	29	Manufacture of motor vehicles, trailers, and semi- trailers	324 034	317 486	433 677	397 881	352 546	320 977
	30	Manufacture of other transport equipment	99 562	27 201	85 778	29 030	174 566	54 648
	31	Manufacture of furniture	238 544	123 379	242 595	128 220	281 336	165 862
	32	Other manufacturing	150 925	4 678	142 342	14 733	131 851	15 784
	33	Repair and installation of machinery and equipment	1 833 604	917 389	2 155 083	918 230	2 406 176	1 099 190
D		Electricity, gas, steam and air conditioning supply	11 141 897	1 147 721	-	-	-	-
	35	Electricity, gas, steam, and air conditioning supply	11 141 897	1 147 721	-	-	-	-
E		Water supply; sewerage, waste management, and remediation activities	257 151	-	-	-	-	-
	36	Water collection, treatment, and supply	257 151	-	-	-	-	-

¹⁾ Provisional data.²⁾ Since 2018 data for section D and E cannot be presented.

Source: CBS

The average price of a new sold apartment per 1m² in 2019 was 12 682 and increased by 592 kuna, i.e. 4.9% compared to 2018.

In 2019 there were 519 construction permits issued for residential buildings, i.e. 20.7% compared to 2018.

13

Construction



Photo: Photo Spiller Farmer d.o.o.

NOTES ON METHODOLOGY

Source and method of data collection

Data on construction were collected by virtue of the 2011 Census of Population and Housing, and the following statistical surveys: Annual Report on Construction Works, Annual Report on Completed Buildings and Apartments, Monthly Report on Issued Construction Permits and Quarterly Report on the Prices of New Sold Apartments.

The housing units included in the scope of the 2011 Census are dwellings, other housing units and collective dwellings.

Data on the value of construction works are collected from legal entities employing five or more persons, by virtue of the Annual Report on Construction Works (GRAD-12). Such data are based on payment certificates for completed works on individual structures in the reporting year. Reporting units only report the works they have carried out with their own workers or subcontractors of other construction business entities.

Data on types of structures and works are classified according to the National Classification of Types of Constructions (NKVG) (Methodological Guidelines No. 41, ISBN 953-6667-33-9, Croatian Bureau of Statistics, 2002), which is harmonized with the classification provided by the Statistical Office of the European Union.

Value of completed construction works is shown in current prices; it does not include the price of subcontractors, value added tax, land acquisition costs, designing costs and costs of expert supervision of construction.

Monthly report on issued building permits is collected by means of a report, i.e. the form Monthly Report on issued building permits (GRAD-44a), which is obtained from the competent authorities for construction works of the City of Zagreb and the Ministry of Construction and Physical Planning. These institutions issue building permits for buildings specified in the Building Act (Official Gazette 153/13). Building permits for already constructed buildings were not included due to their legalization.

Data on constructed buildings and apartments are obtained based on the Annual Report on Completed Buildings and Apartments (GRAD-10), which is filed by enumerators (employees of the City Office

responsible for construction works) based on field visits and determination of the completion status of buildings and apartments. The basis for field visits is the address book prepared based on the data on issued building permits for construction of buildings.

Annual Report on Completed Buildings and Apartments includes data on all newly completed buildings, parts added on existing buildings if new residential units (apartment) or new business premises have been built, as well as non-residential premises that have been converted into an apartment. The survey does not include data on illegally constructed facilities or legalized construction of buildings, apartments or rooms in collective dwellings.

Data on completed apartments pertain to apartments that were completed in the reporting year, regardless of the beginning of construction.

Data source for the prices of new sold apartments is the regular statistical survey called the Quarterly Report on Prices of New Sold Apartments (GRAD-41 form). The report is filed by legal persons who are also the contractors for all construction works on apartment buildings, or who sell such apartments, regardless of whether they perform the works through their own company or specialized companies. According to the National Classification of Activities of 2007, the companies activity must be classified under section F – Construction. Data is provided based on performed contracts in the reporting period. Contracts are considered performed if the buyer paid full or at least one part of the price of the apartment within the relevant period (determined by the seller). Reporting units are construction companies that build and sell apartments. Data does not pertain to legal entities that solely intermediate in the sale of the existing housing stock, i.e. old apartments. In addition, the prices of apartments on which only rough construction work are carried out (Rohbau) are not included in the report.

Definitions of the 2011 Census

Dwelling is a part of a larger building designed for habitation, which consists of one or several rooms with or without appropriate auxiliary facilities (kitchen, pantry, hallway, bathroom, toilet, etc.). It has its own separate entrance directly from the hallway, staircase, yard or street.

Other housing units are rooms and premises that are not considered dwellings in terms of construction, but which were used for housing purposes at the time the Census was prepared. These may be premises in buildings, e.g. inhabited basement, storage, garage, occupied business premises (warehouse, office, hotel or hospital room) and some movable or immovable objects (e.g. wagon, wagon-lit, boat, tent, trailer, hut and similar).

Collective dwellings represent a set of rooms used for organized accommodation and habitation of larger groups of people or several households. These are, for example, retirement homes, nursing homes for children and youth, institutions for permanent care and accommodation of persons with psychophysical and other illnesses, monasteries, prisons, military institutions and alike.

Occupied dwellings are dwellings that were used for permanent residency or for housing and performing of an activity by one or more persons at the time of the Census.

Unoccupied dwellings are dwellings that were not used for permanent residency at the time of the Census. They include temporarily unoccupied dwellings, abandoned dwellings and dwellings in which only temporary present persons were recorded.

The following dwellings were listed as temporarily unoccupied dwellings: new, unoccupied dwellings, dwellings vacated due to change of residence or construction works, dwellings that are temporarily unoccupied because they are for rent or sale, and dwellings of households that live in other dwellings at the same or another address in the same or another settlement, which are not being used or rented.

Abandoned dwellings are dwellings that have not been used for a longer period of time because the owner has moved out to another place (or has relocated) and does not use the dwelling neither occasionally or for rent, or the owner died and the inheritors do not rent out the dwelling or use it occasionally (e.g. as a holiday home).

Dwellings used during seasonal agricultural works are housing premises that fit the definition of a dwelling but are used only during seasonal agricultural works (such as a farm house, shepherd's or vineyard cottage and alike).

Dwellings used for vacation and recreation by all standards fit the definition of a dwelling but are used only for vacation and recreation, occasionally or for several months in a year. This category does not include dwellings that are used exclusively for renting during the tourist season, but only those dwellings used by their owners for own needs.

Dwellings used for vacation and recreation may be in a separate house, villa and similar type of building constructed to be used only as a holiday house, or in (an inherited) family house or in a multi-storey building in which dwellings used for vacation may be located.

Apartments **in a holiday house** are apartments in buildings built or purchased to be used only for vacation and recreation (holiday houses, villas, summerhouses, mountain and hunting cottages).

Dwellings **in a family house** are dwellings that were previously used for accommodation of a household and that are now used occasionally, i.e. for vacation and recreation, because the household's owner or heir moved to another place.

Dwellings **in other types of building** are dwellings that are used only for vacation and recreation purposes (suites and smaller apartments) and that are located in multi-storey buildings, in which there may also be dwellings in which some households live throughout the year.

Dwellings where only business activity is carried out are dwellings that fit the definition of a dwelling but were used only for carrying out an activity at the time of the Census. In this regard, it is necessary to differentiate between dwellings for tourist renting and dwellings for performing other business activities.

Dwellings **for tourist renting** are dwellings (houses or apartments) that are privately owned by citizens and that are used only for renting to tourists.

Dwellings **for other activities** are dwellings that are used in their entirety for performing an activity (e.g. law office, dental office, company's branch office).

Room is a facility intended for living, which is separated from other rooms of dwelling by permanent walls. Its ceiling is at least 2 m high with regard to the majority of the ceiling surface area, and it has direct source of daylight and the floor surface area of at least 4 m².

Kitchen is defined as a room with surface area of at least 4 m² or 2 m wide, which is designed and equipped for preparation of main meals. If a dwelling consists of only one room that is used for cooking or if cooking is done in an auxiliary room (corridor, bathroom, etc.), it is considered that there is no kitchen in the dwelling.

A dwelling has a **bathroom** if there is a room with a bath or shower with installed water and sewerage systems. There is a toilet if such sanitation fixture is located in a separate room inside the dwelling or in the bathroom.

A dwelling has **water, sewerage, electricity and gas installations** if at least one of the rooms in the dwelling has adequate installations, regardless if such installations are connected to the utility network or certain home appliances and facilities.

Dwellings with **air conditioning** are dwellings with an air conditioning device, whether it is an independent air conditioner installed in the dwelling, or a central air conditioning circulating from a unit in the building.

A dwelling is considered located in **"exclusively or predominantly residential building"** if 50% or more of the total usable floor area of the building is intended for residential purposes.

A dwelling is considered located in **"predominantly non-residential building"** if more than 50% of the usable area of the building is used for non-residential purposes (e.g. shops, catering facilities, premises, banks, post offices, cinemas, private practices, branch offices of companies, etc.).

A dwelling is considered located **"in student dormitories, monasteries and alike"** if such buildings have a separate set of rooms corresponding to the definition of a dwelling, with a private household which does not belong to the institutional household or does not use the services of the collective dwellings.

Definitions from statistical surveys

Structures are objects connected to the ground on which construction works are carried out. They are made of construction materials and finished products for installation.

Buildings are permanent structures with roofs and exterior walls that are built as stand-alone usable units that provide protection from the elements and that may be used for housing, performing an activity or accommodation, storage of goods and equipment, for service activities, as overhangs, shelters, underground garages, shops or business premises in underpasses, etc.

Residential buildings are structures in which 50% or more of the total usable floor area is intended for residential purposes.

Non-residential buildings are structures that do not have residential areas, or that have less than 50% of the total floor area intended for residential purposes.

Floor area of the building is the total floor area in a building within the inside parameter of exterior walls.

The volume of building is the total volume of all roofed parts of the building including the outer walls.

Other structures are all structures that are not buildings, e.g. roads, railways, pipelines, bridges, sports grounds, dams, etc.

Construction of new structures includes construction of a new structure at a location where no structure existed before or where a structure existed but was demolished.

Reconstructions are construction works that affect the essential properties of existing buildings and serve to prolong the service life of buildings.

Additions and add-ons pertain to a type of construction works that result in new usable units as an addition adjacent to the existing structures or on them, e.g. a completely new dwelling or business premises.

Conversion of non-residential premises into new dwellings is a type of construction works based on which the existing area in a building is converted into a single dwelling or several dwellings (e.g. attic or basement that had not been previously furnished for housing, garages, premises in which manufacturing or service activity was performed).

Usable floor area of a dwelling is the floor surface area of a dwelling measured within its external walls.

Price per 1m² of a dwelling includes the price of building land, building costs and contractor's profit, as well as other costs.

13.1 Dwellings by type of use and other occupied premises – 2011 Census

	Number of dwellings	Surface area, m ²	Average surface area per dwelling, m ²	Share of the number of dwellings, %
Dwellings in total	384 333	26 494 590	68.94	100.0
Dwellings for permanent housing	373 538	25 789 993	69.04	97.2
Occupied	299 977	21 299 986	71.01	78.0
Temporarily unoccupied	69 870	4 286 326	61.35	18.2
Abandoned	3 691	203 681	55.18	1.0
Temporarily used dwellings				
For vacation and recreation	4 878	260 635	53.43	1.3
During seasonal agricultural work	234	5 492	23.47	0.1
Dwellings used only for				
Rentals to tourists	59	2 905	49.24	0.0
Other activities	5 624	435 565	77.45	1.4

13.2 Occupied dwellings by number of rooms and ownership – 2011 Census

	Number of dwellings	Surface area, m ²	Average surface area per dwelling, m ²	Share of the number of dwellings, %
Occupied dwellings by number of rooms – total	299 977	21 299 986	71.01	100.0
1 room	38 887	1 322 482	34.01	13.0
2 rooms	105 985	5 682 157	53.61	35.3
3 rooms	96 450	134 017	73.97	32.1
4 rooms	38 802	4 006 099	103.24	12.9
5 rooms	13 099	1 821 149	139.03	4.4
6 rooms	5 045	872 611	172.97	1.7
7 and more rooms	1 709	461 471	270.02	0.6
By ownership				
Private	291 854	20 858 416	71.47	97.3
Other	8 123	441 570	54.36	2.7

13.3 Occupied dwellings by number of ancillary rooms and available installations – 2011 Census

	Dwellings	Persons
Total	299 977	780 957
Dwellings with		
Toilet	299 239	779 524
Bathroom	298 267	777 672
Kitchen	299 529	780 392
Dwellings with installations		
Water supply	299 398	779 847
Sewerage	299 354	779 764
Electricity	299 871	780 752
Gas	198 700	519 193
Dwellings with the following combinations of ancillary rooms		
Kitchen, toilet and bathroom	297 891	777 152
Kitchen and toilet	932	1 732

13.3 Occupied dwellings by number of ancillary rooms and available installations – 2011 Census

(Continued)

	Dwellings	Persons
Kitchen only	488	881
Other combinations of ancillary rooms	592	1 118
Without kitchen, bathroom and toilet	74	99
Dwellings with air conditioning	108 375	298 336

13.4 Housing units by number of households and household members – 2011 Census¹⁾

	2011
Total number of housing units	
Number of housing units	300 272
Number of households	303 610
Number of household members	789 966
Occupied dwellings	
Total number	299 977
Number of households	303 191
Number of household members	780 957
Other housing units	
Total number	86
Number of households	88
Number of household members	188
Collective dwellings ²⁾	
Total number	209
Number of institutional and private households	331
Number of household members	8 821

¹⁾ The difference between the total number of households and the total number of household members is the result of the number of registered homeless people who do not occupy housing units.

²⁾ Includes homeless people registered in homeless shelters.

13.5 Construction of business entities (legal entities)¹⁾

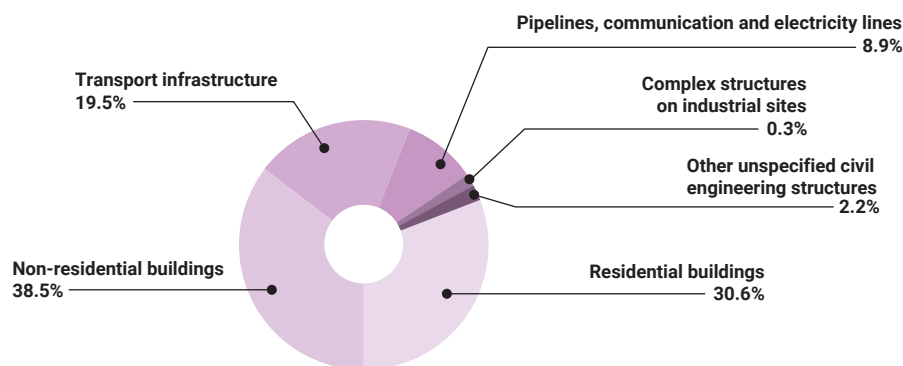
Thousands of HRK

	2014	2015	2016	2017	2018	2019
Value of completed construction work by type of building – total	2 400 008	2 314 290	2 331 291	2 643 798	2 859 795	3 608 232
On buildings	1 364 976	1 347 905	1 497 560	1 781 689	2 062 833	2 494 466
Residential	478 762	607 887	551 469	846 610	949 053	1 104 133
Non-residential	886 214	740 018	946 091	935 079	1 113 780	1 390 333
On other structures	1 035 032	966 385	833 731	862 109	796 962	1 113 766
Transport infrastructure	810 564	713 807	538 191	546 083	427 125	701 823
Pipelines, communication, and electricity lines	162 468	190 697	249 307	250 730	258 976	322 560
Complex structures on industrial sites	26 225	29 622	19 242	13 713	55 506	8 862
Other unspecified civil engineering structures	35 775	32 259	26 991	51 583	55 355	80 521

¹⁾ List includes construction work completed by legal entities with 5 or more employees.

Source: CBS

G 13.1 Composition of values of construction work by type of structure in 2019

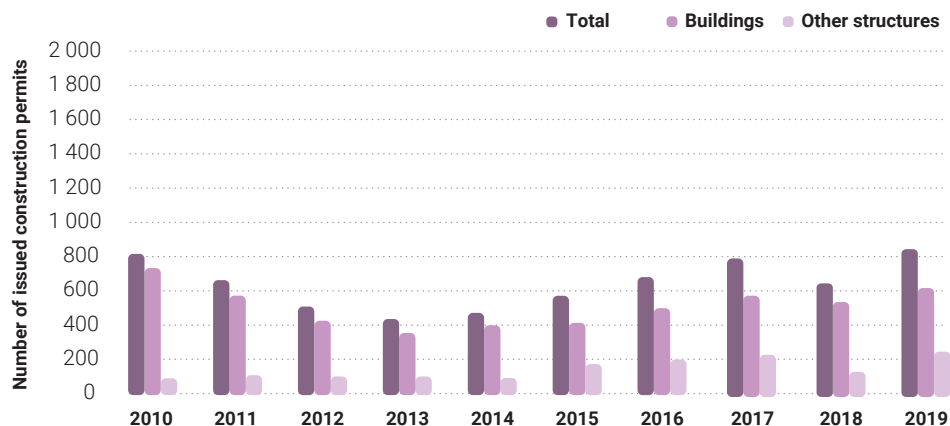


13.6 Issued construction permits by type of structure

	2015	2016	2017	2018	2019
Number of issued construction permits	556	667	774	629	834
Buildings	397	485	558	520	605
Other structures	159	182	216	109	229
Estimated value of construction work – total, thousands HRK	1 718 076	2 965 810	3 573 377	2 569 787	4 024 365
Buildings	1 304 364	2 488 414	3 007 870	2 064 836	2 797 931
Other structures	413 712	477 396	565 507	504 951	1 226 434
Dwellings					
Number	995	2 016	3 170	2 080	3 202
Available surface area, m ²	82 517	154 915	233 861	166 837	243 210

Source: CBS

G 13.2 Issued construction permits by type of structure

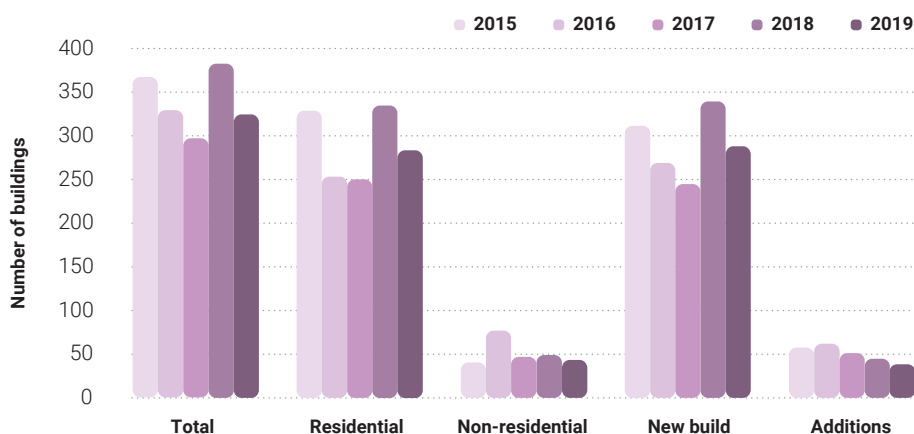


13.7 Issued construction permits for buildings by purpose, size and type of construction

	2015	2016	2017	2018	2019
Construction permits – total	397	485	558	520	605
Permits for residential buildings – total	327	372	451	430	519
By size	210	258	302	320	384
With 1 apartment	103	115	134	161	194
With 2 apartments	25	37	16	37	64
With 3 and more apartments	80	105	151	121	126
Residential buildings for communities	2	1	1	1	-
By type of construction					
New build					
Number of permits	210	258	302	320	384
Surface area, m ²	103 174	214 742	349 480	232 734	337 621
Volume, m ³	316 649	676 568	1 119 312	723 843	1 064 506
Additions					
Number of permits	41	38	40	32	40
Surface area, m ²	9 478	6 812	6 234	6 578	8 241
Volume, m ³	28 652	20 813	18 246	20 539	25 217
Conversions and other reconstructions					
Number of permits	76	76	109	78	95
Permits for non-residential buildings – total	70	113	107	90	86
By type of construction					
New build					
Number of permits	25	58	45	53	46
Surface area, m ²	50 505	234 221	148 596	65 528	91 652
Volume, m ³	177 175	956 520*	533 742	302 986	376 681
Additions					
Number of permits	9	24	27	11	13
Surface area, m ²	29 559	20 572	47 797	3 249	20 180
Volume, m ³	115 243	71 874	184 566	11 297	88 864
Conversions and other reconstructions					
Number of permits	36	31	35	26	27

Source: CBS

G 13.3 Completed buildings by type of building and type of construction work

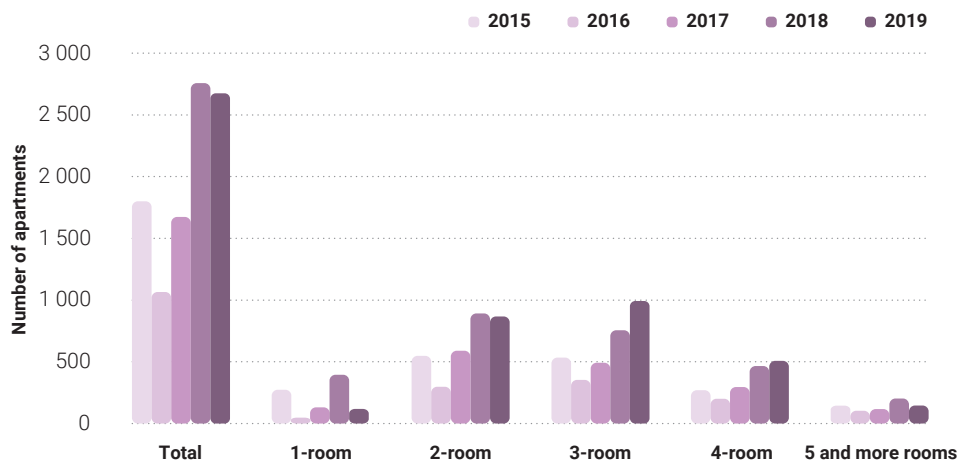


13.8 Completed buildings and apartments by number of rooms

	Completed buildings and apartments					Indices				
	2015	2016	2017	2018	2019	2015 2014	2016 2015	2017 2016	2018 2017	2019 2018
Completed buildings – total	367	329	295	383	325	214.6	89.6	89.7	129.8	84.9
Residential	328	252	249	334	284	241.2	76.8	98.8	134.1	85.0
With 1 apartment	190	125	117	157	132	263.9	65.8	93.6	134.2	84.1
With 2 apartments	37	37	36	34	24	137.0	100.0	97.3	94.4	70.6
With 3 and more apartments	101	90	96	143	128	280.6	89.1	106.7	149.0	89.5
Residential buildings for communities	-	-	-	-	-	-	-	-	-	-
Non-residential	39	77	46	49	41	111.4	197.4	59.7	106.5	83.7
Completed apartments – total	1 798	1 065	1 672	2 746	2 665	281.8	59.2	157.0	164.2	97.1
By number of rooms										
1-room	273	62	137	398	132	568.8	22.7	221.0	290.5	33.2
2-room	560	308	599	904	869	331.4	55.0	194.5	150.9	96.1
3-room	534	362	504	764	993	295.0	67.8	139.2	151.6	130.0
4-room	275	214	299	471	517	161.8	77.8	139.7	157.5	109.8
5 and more rooms	156	119	133	209	154	222.9	76.3	111.8	157.1	73.7

Source: CBS

G 13.4 Completed apartments by number of rooms



13.9 Completed buildings and apartments by type of building and type of construction work

	Completed buildings			Completed apartments		
	Number of buildings	Surface area, m ²	Volume, m ³	Number of apartments	Available surface area, m ²	Average available surface area, m ²
2015 Total	367	312 967	1 044 528	1 798	140 704	78.3
By type of building						
Residential buildings	328	191 641	602 678	1 773	138 731	78.2
Non-residential buildings	39	121 326	441 850	25	1 973	78.9
By type of construction work						
New build	311	285 519	965 481	1 733	133 753	77.2
Additions	56	27 448	79 047	60	6 512	108.5
Conversion of non-residential structures into residential structures	-	-	-	5	439	87.8
2016 Total	329	253 840	1 011 451	1 065	85 737	80.5
By type of building						
Residential buildings	252	119 641	376 527	1 059	85 269	80.5
Non-residential buildings	77	134 199	634 924	6	468	78.0
By type of construction work						
New build	267	221 336	893 983	1 007	79 819	79.3
Additions	62	32 504	117 468	56	5 820	103.9
Conversion of non-residential structures into residential structures	-	-	-	2	98	49.0
2017 Total	295	240 992	806 588	1 672	123 039	73.6
By type of building						
Residential buildings	249	168 243	522 509	1 639	120 080	73.3
Non-residential buildings	46	72 749	284 079	33	2 959	89.7
By type of construction work						
New build	244	226 832	758 136	1 617	117 765	72.8
Additions	51	14 160	48 452	48	4 599	95.8
Conversion of non-residential structures into residential structures	-	-	-	7	675	96.4
2018 Total	383	376 328	1 263 356	2 746	204 902	74.6
By type of building						
Residential buildings	334	329 948	1 058 983	2 744	204 552	74.5
Non-residential buildings	49	46 380	204 373	2	350	175.0
By type of construction work						
New build	339	365 406	1 229 121	2 679	199 482	74.5
Additions	44	10 922	34 235	59	4 867	82.5
Conversion of non-residential structures into residential structures	-	-	-	8	553	69.1

13.9 Completed buildings and apartments by type of building and type of construction work

(Continued)

	Completed buildings			Completed apartments		
	Number of buildings	Surface area, m ²	Volume, m ³	Number of apartments	Available surface area, m ²	Average available surface area, m ²
2019 Total	325	478 426	1 659 163	2 665	199 338	74.8
By type of building						
Residential buildings	284	264 783	839 794	2 537	189 866	74.8
Non-residential buildings	41	213 643	819 369	128	9 472	74.0
By type of construction work						
New build	287	449 374	1 537 341	2 627	195 952	74.6
Additions	38	29 052	121 822	38	3 386	89.1
Conversion of non-residential structures into residential structures	-	-	-	-	-	-

Source: CBS

13.10 Number and size of structures by type of completed buildings and type of construction work

	2017			2018			2019		
	Number of buildings	Surface area, m ²	Volume, m ³	Number of buildings	Surface area, m ²	Volume, m ³	Number of buildings	Surface area, m ²	Volume, m ³
Total	295	240 992	806 588	383	376 328	1 263 356	325	478 426	1 659 163
By type of building									
Residential	249	168 243	522 509	334	329 948	1 058 983	284	264 783	839 794
With 1 apartment	117	25 064	77 682	157	35 171	111 501	132	28 732	90 245
With 2 apartments	36	10 293	31 392	34	10 441	32 597	24	6 191	19 591
With 3 and more apartments	96	132 886	413 435	143	284 336	914 885	128	229 860	729 958
Non-residential	46	72 749	284 079	49	46 380	204 373	41	213 643	819 369
Hotels and similar buildings	1	1 436	4 715	-	-	-	3	58 089	213 832
Restaurants, bars, and other similar facilities	1	20	48	1	25	83	-	-	-
Office buildings	12	32 160	101 423	8	5 997	17 899	8	98 442	321 682
Wholesale and retail trade buildings	8	6 091	22 325	5	3 594	11 981	10	23 694	98 418
Other traffic and communications facilities	-	-	-	-	-	-	-	-	-
Garages	6	5 772	17 178	7	3 229	9 447	1	838	4 460

13.10 Number and size of structures by type of completed buildings and type of construction work

(Continued)

	2017			2018			2019		
	Number of buildings	Surface area, m ²	Volume, m ³	Number of buildings	Surface area, m ²	Volume, m ³	Number of buildings	Surface area, m ²	Volume, m ³
Industrial buildings	8	19 945	110 303	7	7 069	34 838	7	5 953	32 015
Reservoirs and silos	-	-	-	-	-	-	-	-	-
Closed warehouses	4	1 371	7 328	1	106	314	1	535	3 900
Covered warehouses	1	880	4 662	1	100	463	2	1 286	6 362
Buildings for performing art and culture activities	-	-	-	-	-	-	-	-	-
Kindergartens and primary schools	-	-	-	4	7 810	36 282	5	14 968	89 528
Scientific research facilities	-	-	-	-	-	-	2	9 390	47 663
Hospitals and clinics	-	-	-	2	2 264	8 150	1	389	1 284
Sports venues	-	-	-	2	13 721	74 302	-	-	-
Buildings for breeding and housing livestock and poultry, and storing agricultural products	1	4 135	12 585	1	200	562	-	-	-
Other agricultural facilities	1	367	1 830	6	943	4 202	-	-	-
Buildings for performing religious ceremonies	-	-	-	-	-	-	-	-	-
Buildings in cemeteries	-	-	-	2	1 070	4 900	-	-	-
Buildings for the purposes of armed forces, police, or firefighters	-	-	-	1	132	580	-	-	-
Other unclassified buildings	3	572	1 682	1	120	370	1	59	225

13.10 Number and size of structures by type of completed buildings and type of construction work

(Continued)

	2017			2018			2019		
	Number of buildings	Surface area, m ²	Volume, m ³	Number of buildings	Surface area, m ²	Volume, m ³	Number of buildings	Surface area, m ²	Volume, m ³
By type of construction work									
New build	244	226 832	758 136	339	365 406	1 229 121	287	449 374	1 537 341
Residential buildings	217	162 399	505 188	300	323 519	1 039 822	258	260 137	825 620
Non-residential buildings	27	64 433	252 948	39	41 887	189 299	29	189 237	711 721
Additions	51	14 160	48 452	44	10 922	34 235	38	29 052	121 822
Residential buildings	32	5 844	17 321	34	6 429	19 161	26	4 646	14 174
Non-residential buildings	19	8 316	31 131	10	4 493	15 074	12	24 406	107 648

Source: CBS

13.11 Completed apartments by type of building, type of construction, and number of rooms

	Number of apartments	Available surface area, m ²	Apartments by number of rooms							
			1 - room	2 - room	3 - room	4 - room	5 - room	6 - room	7 - room	8- and more rooms
2015 Total	1 798	140 704	273	560	534	275	84	50	15	7
Apartments in new buildings	1 733	133 753	269	553	510	263	71	47	13	7
Residential buildings	1 708	131 780	263	546	504	258	70	47	13	7
With 1 apartment	155	26 451	1	5	7	33	47	44	13	5
With 2 apartments	64	7 401	2	2	11	34	10	3	-	2
With 3 and more apartments	1 489	97 928	260	539	486	191	13	-	-	-
Non-residential buildings ¹⁾	25	1 973	6	7	6	5	1	-	-	-
Apartments built by additions	60	6 512	4	6	21	12	12	3	2	-
Apartments built by converting non-residential structures into residential structures	5	439	-	1	3	-	1	-	-	-

13.11 Completed apartments by type of building, type of construction, and number of rooms

(Continued)

	Number of apartments	Available surface area, m ²	Apartments by number of rooms							
			1 - room	2 - room	3 - room	4 - room	5 - room	6 - room	7 - room	8- and more rooms
2016 Total	1 065	85 737	62	308	362	214	52	41	23	3
Apartments in new buildings	1 007	79 819	59	299	346	196	46	37	22	2
Residential buildings	1 001	79 351	59	297	343	196	45	37	22	2
With 1 apartment	96	17 287	-	3	11	13	20	26	21	2
With 2 apartments	56	5 551	-	11	19	18	5	3	-	-
With 3 and more apartments	849	56 513	59	283	313	165	20	8	1	-
Non-residential buildings ¹⁾	6	468	-	2	3	-	1	-	-	-
Apartments built by additions	56	5 820	3	8	15	18	6	4	1	1
Apartments built by converting non-residential structures into residential structures	2	98	-	1	1	-	-	-	-	-
2017 Total	1 672	123 039	137	599	504	299	85	35	8	5
Apartments in new buildings	1 617	117 765	136	588	484	279	84	34	7	5
Residential buildings	1 584	114 806	136	581	476	266	80	33	7	5
With 1 apartment	95	16 307	-	4	8	20	27	24	7	5
With 2 apartments	64	7 238	-	7	17	25	11	4	-	-
With 3 and more apartments	1 425	91 261	136	570	451	221	42	5	-	-
Non-residential buildings ¹⁾	33	2 959	-	7	8	13	4	1	-	-
Apartments built by additions	48	4 599	1	10	15	20	-	1	1	-
Apartments built by converting non-residential structures into residential structures	7	675	-	1	5	-	1	-	-	-
2018 Total	2 746	204 902	398	904	764	471	148	38	16	7
Apartments in new buildings	2 679	199 482	394	882	741	461	142	37	15	7
Residential buildings	2 677	199 132	394	882	741	460	142	36	15	7
With 1 apartment	135	23 996	1	3	13	26	35	35	15	7
With 2 apartments	52	6 265	-	5	10	25	12	-	-	-
With 3 and more apartments	2 490	168 871	393	874	718	409	95	1	-	-
Non-residential buildings ¹⁾	2	350	-	-	-	1	-	1	-	-
Apartments built by additions	59	4 867	4	16	22	10	5	1	1	-
Apartments built by converting non-residential structures into residential structures	8	553	-	6	1	-	1	-	-	-

13.11 Completed apartments by type of building, type of construction, and number of rooms

(Continued)

	Number of apartments	Available surface area, m ²	Apartments by number of rooms							
			1 - room	2 - room	3 - room	4 - room	5 - room	6 - room	7 - room	8- and more rooms
2019 Total	2 665	199 338	132	869	993	517	98	42	13	1
Apartments in new buildings	2 627	195 952	132	862	975	508	94	42	13	1
Residential buildings	2 499	186 480	131	846	897	475	94	42	13	1
With 1 apartment	113	19 654	-	3	6	26	34	30	13	1
With 2 apartments	42	4 029	-	5	13	15	7	2	-	-
With 3 and more apartments	2 344	162 797	131	838	878	434	53	10	-	-
Non-residential buildings ¹⁾	128	9 472	1	16	78	33	-	-	-	-
Apartments built by additions	38	3 386	-	7	18	9	4	-	-	-
Apartments built by converting non-residential structures into residential structures	-	-	-	-	-	-	-	-	-	-

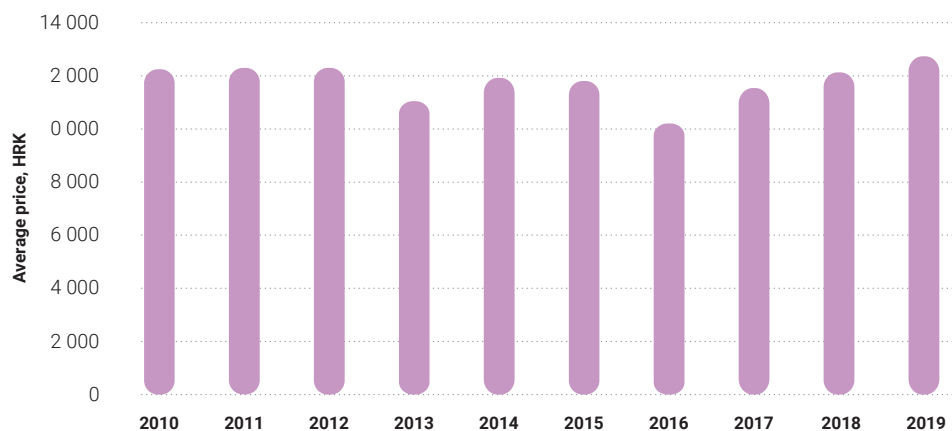
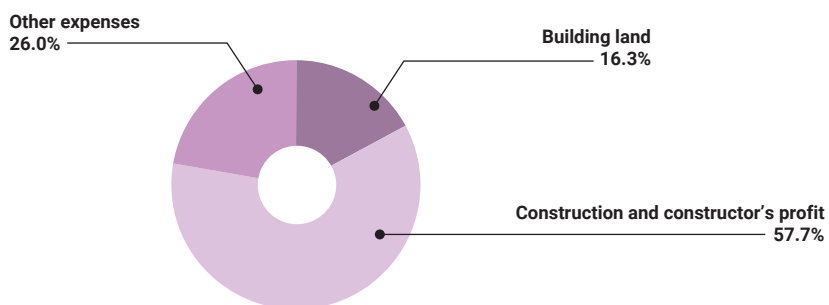
¹⁾ Mostly non-residential buildings (see Notes on Methodology).

Source: CBS

13.12 Average prices of sold new apartments

	2011	2012	2013	2014	2015	2016	2017	2018	2019
Sold apartments									
Number of apartments – total	1 389	1 501	1 213	1 153	843	1 570	1 225	1 503	1 951
Surface area, m ²	79 782	91 500	74 276	74 487	57 110	103 793	79 609	103 312	133 493
Average surface area, m ²	57.4	61.0	61.2	64.6	67.7	66.1	65.0	68.7	68.4
Average price per m², HRK									
Total	12 265	12 268	11 008	11 882	11 779	10 206	11 520	12 090	12 682
Building land	2 487	2 563	2 176	2 383	2 028	1 831	1 971	2 019	2 066
Construction and contractor's profit	7 276	7 281	6 885	7 141	7 313	6 374	6 980	7 085	7 322
Other costs	2 502	2 424	1 947	2 358	2 438	2 001	2 569	2 986	3 294

Source: CBS

G 13.5 Average prices of sold new apartments in HRK by m²**G 13.6 Structure of average price of sold new dwellings in 2019**

In 2019 Franjo Tuđman International Airport registered the highest number of passengers in its history (3.4 million), i.e. 99 221 passengers more than in 2018. (3.3 million), which is an increase of 2.9%.

14

Transport and communications



Photo: Boška and Krešo, ZTB

NOTES ON METHODOLOGY

Source and method of data collection

Data on registered motor vehicles, road traffic accidents and on persons killed in road traffic accidents were obtained directly from the Ministry of the Interior and the Centre for Vehicles of Croatia, data on public bicycle parking and the length of cycle lanes from ZG Cycle Unit of the City of Zagreb, and data on transport of passengers from legal entities engaged in transport of passengers in public city transport and international transport. Data on electronic services were supplied by HAKOM (Croatian Regulatory Authority for Network Industries), while data on postal capacity and shipments were obtained from the Croatian Post (HP).

Data on carriage of goods by road were obtained from the Croatian Bureau of Statistics, which collects such data by means of a reporting method, using the statistical form Quarterly Report on Carriage of Goods by Road (Form PA/T-11).

Coverage and comparability

Data on motor vehicles and trailers include those motor vehicles and trailers which are allowed to participate in road traffic, are registered and have a valid vehicle traffic licence, i.e. those which are insured and bear provisional or transferable licence plates. The registered vehicle is issued a vehicle traffic licence and licence plates.

In the statistical survey on carriage of goods by road, reporting units are business entities (legal and natural persons) engaged in transport of goods, which are also owners or users of a road freight motor vehicle. Reporting units are selected by sampling method, based on vehicle's carrying capacity.

For statistical purposes, units of observation are road freight vehicles (including road tractors) with carrying capacity exceeding 3500 kg, which have been registered in the Ministry of the Interior.

Bicycle traffic is defined by the Ordinance on Cycling Infrastructure of 30 March 2016, which was adopted based on Article 17, paragraph 7 of the Roads Act (Official Gazette Nos 84/11, 22/13, 54/13, 148/13 and 92/14) and the The Road Traffic Safety Act (Official Gazette, No. 67/08, 48/10, 74/11, 80/13, 158/13, 92/14, 64/15, 108/17 and 70/19).

Transport of passengers by tram, bus and railway pertains to passenger transport in the territory of the City of Zagreb according to the existing territorial organization defined by the Act on the Territories of Counties, Cities and Municipalities in the Republic of Croatia (Official Gazette No. 86/06).

Definitions

Transport is the act of conveying passengers or goods at a certain distance from the place of embarking/loading to the place of disembarking/unloading. It is shown as the number of passengers carried or the quantity of goods carried.

Traffic is the movement of vehicles, passengers and goods, and it is shown as the number of arriving and departing passengers, or as the quantity of loaded and unloaded goods.

Passenger is any person who travels by a means of transport with the intent to arrive at a certain location, regardless of the length of the road he or she has travelled in the relevant means of transport.

Domestic transport is the transport between the place of embarking/loading and the place of disembarking/unloading, within the borders of our country.

International transport is the transport between any place of embarking/loading in our country and any place of disembarking/unloading in a foreign country, or vice versa, as well as transport between places in a foreign country.

Transport to a foreign country is the international carriage of goods by domestic carriers, where the country of loading and unloading is a foreign country.

Tonne kilometre is a unit of measurement that expresses the transport of one tonne of goods over a distance of one kilometre.

Cycle lane is a path for cycling, which is separated from the motorized traffic and marked by appropriate traffic signalling. A cycle lane can be constructed as one-way or two-way, separated from the roadway with regard to elevation or ground plan, with appropriate width of the protective zone with regard to motorized traffic.

Length of one line is the distance between the starting and final station, and it is calculated in one way only.

Work-day average number of trains means the number of rails that participate on average on working days in urban railway transport on the territory of the City of Zagreb.

Number of city transport passengers equals the sum of sold public city transport tickets.

Railway sections are the sections of main international railways and other railways which belong to the territory of the City of Zagreb.

Passenger kilometre is a unit of measurement representing the transport of one passenger over a distance of one kilometre.

Railway halt is an official stop-off point on the railway line at which passenger trains stop according to a timetable only for entry and departure of passengers, and at which a passenger train may start or finish its journey.

Station service includes information services, operation of traffic office, use of a waiting area, departure platforms, maintenance, lighting, cleaning of the station, and is charged with every purchased ticket. The service is based on the General Terms and Conditions for Performing Coach Terminal Activities and the service price list.

Number of bus departures (departing buses) means the number of buses that departed the Zagreb Bus Station within public line transport (national and international).

Domestic air traffic is divided into regular and special flights. Regular traffic is carried out by a domestic carrier on its regular routes, according to the timetable. Domestic air traffic carried out by domestic carriers also includes passengers on international lines if transported by airplanes within the country, between two domestic airports.

International air traffic refers to international lines on which domestic air carriers perform traffic between domestic and foreign airports.

Traffic data of foreign airplanes pertain to regular and special flights performed by foreign airplanes on international routes, in cooperation with foreign companies and Croatia.

Person killed in a traffic accident is any person killed at the scene or any person who died within 30 days as a consequence of the accident, regardless of his or her nationality.

Data on the number of injured and killed persons in road traffic accidents include all participants in traffic accidents in the City of Zagreb, regardless of their nationality.

Electronic communication service is a service provided for a charge, consisting of the transmission of signals in electronic communications networks, including transmission services in broadcasting networks.

Number of broadband internet connection is the number of connections of all technologies in fixed and mobile public communications networks.

Postal service is a service that includes any handling of postal items by postal service providers, specifically clearance, routing, transfer and delivery of postal items in domestic and international mail.

Letter and other consignments include letters, registered mail and valuable item mail, articles for the blind, direct mail, printed matter and prepaid business reply service (IBRS/CCRI).

Package is a postal item containing goods and objects. Packages include all packages received in domestic traffic, as well as all packages received from a foreign country and dispatched to a foreign country.

EMS is a special express consignment within inbound international postal traffic which provides the fastest delivery and requires the recipient's direct signature.

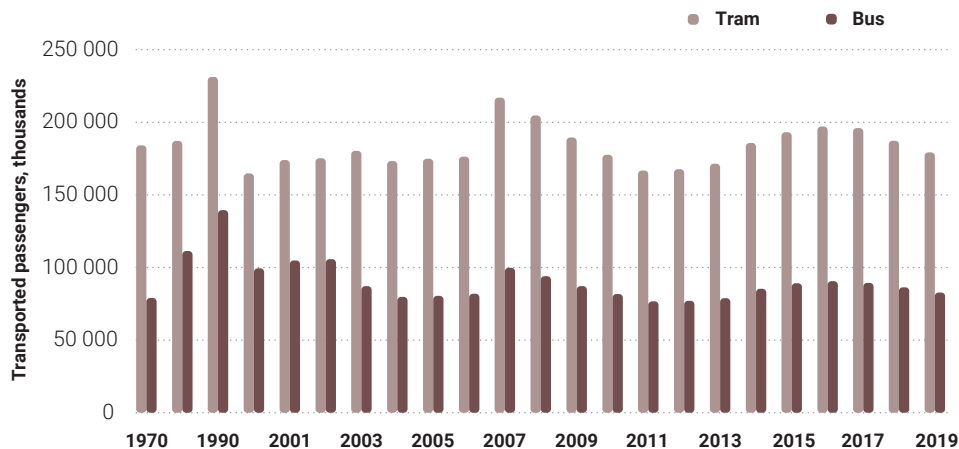
HP Express service provides collecting, directing, transport and delivery of hpekspres consignments, business packages and e-parcels. Such consignments may contain printed documents, goods, money and other items. The sender receives the corresponding delivery receipt, while the recipient signs for the consignment and the delivery time is documented, which confirms receipt of the consignment at the scheduled time.

14.1 Motor vehicles and city transport

	Registered vehicles, status as of 31 December		City transport				
			Tram			Bus	
	Total	Private	Vehicles		Transported passengers, thousands	Number of buses	Transported passengers, thousands
			Tram engines	Wagons			
1970	81 497	71 135	136	173	184 126	192	79 003
1980	179 523	161 011	190	226	187 128	336	111 425
1990	224 039	203 406	248	238	231 119	462	139 414
2000	284 308	232 983	253	162	164 694	337	99 346
2011	395 391	291 568	289	77	166 772	429	76 713
2012	342 345	251 554	284	70	167 555	430	77 077
2013	337 591	252 187	277	63	171 426	426	78 848
2014	339 749	255 995	277	63	185 606	399	85 365
2015	346 230	260 856	274	58	193 152	411	89 172
2016	358 308	267 769	274	58	197 088	403	90 648
2017	370 505	274 059	274	58	197 078	413	90 634
2018	388 263	282 241	266	51	186 693	432	85 849
2019	406 169	295 579	266	51	178 937	436	82 285

Source: Ministry of the Interior and ZET d. o. o.

G 14.1 Number of passengers transported in city transport from 1970 to 2019



14.2 Registered vehicles, status as of 31 December

	Total	Mopeds	Motorcycles	Personal vehicles	Buses	Goods vehicles and work vehicles	Other vehicles
2015							
Total	346 230	9 054	8 331	289 706	872	31 337	6 930
Natural persons	260 856	7 280	7 495	238 656	12	4 320	3 093
Legal entities	85 374	1 774	836	51 050	860	27 017	3 837
2016							
Total	358 308	8 538	8 581	299 162	897	32 791	8 339
Natural persons	267 769	6 931	7 738	245 482	11	4 301	3 306
Legal entities	90 539	1 607	843	53 680	886	28 490	5 033
2017							
Total	370 505	8 122	9 045	308 125	941	35 402	8 870
Natural persons	274 059	6 673	8 183	251 224	10	4 515	3 454
Legal entities	96 446	1 449	862	56 901	931	30 887	5 416
2018							
Total	388 263	7 889	9 625	321 967	986	38 287	9 509
Natural persons	282 241	6 471	8 684	258 622	8	4 801	3 655
Legal entities	106 022	1 418	941	63 345	978	33 486	5 854
2019							
Total	406 169	7 878	10 861	340 610	1 006	41 874	3 940
Natural persons	295 579	...	...	...	...	...	...
Legal entities	110 590	...	...	...	...	...	...

Source: MUP and Center for Vehicles of Croatia

14.3 Road transport of goods

	Goods transported, thousands of tonnes			Tonne-kilometres, thousands		
	Total	Domestic transport	International transport	Total	Domestic transport	International transport
2015	16 247	14 197	2 050	2 210 894	950 778	1 260 116
2016	16 406	14 413	1 993	2 097 819	874 232	1 223 587
2017	14 397	12 320	2 077	2 305 181	902 287	1 402 894
2018	15 545	13 169	2 376	2 479 420	963 884	1 515 536
2019	16 076	13 850	2 227	2 315 527	937 454	1 378 073

Source: CBS

14.4 Bicycle parking

	Number of locations	Number of parking racks	Number of bicycles
2015	23	183	366
2016	62	402	804
2017	94	575	1 150
2018	116	743	1 486
2019	146	987	1 954

Source: City of Zagreb, ZG Cycle

14.5 Length of cycle lanes

km

	Total	Transport network	Sports and recreational purposes
2015	389	251	138
2016	401	256	145
2017	415	270	145
2018	422	277	145
2019	431	246	184

Source: City of Zagreb, ZG Cycle

14.6 Tram transport¹⁾

	Number of routes			Route length, km	Number of seats on the tram	Distance covered, thousands of km	Number of transported passengers, thousands
	Total	Daily	Night				
2015	19	15	4	210	53 402	13 550	193 152
2016	19	15	4	210	53 402	13 302	197 088
2017	19	15	4	210	53 402	13 250	197 078
2018	19	15	4	206	46 028	12 899	186 693
2019	19	15	4	206	46 028	12 290	178 952

¹⁾ Horsecar was first used on 5 September 1891 and it transported the citizens of Zagreb until 18 August 1910, when electric trams were introduced.

Source: ZET d. o. o.

14.7 City bus transport¹⁾

	Number of routes				Route length, km	Number of seats on the bus	Distance covered, thousands of km	Number of transported passengers, thousands
	Total	Daily	Night	Special				
2015	145	138	4	3	1 438	41 234	27 466	89 172
2016	145	138	4	3	1 378	40 437	27 774	90 648
2017	149	143	4	2	1 455	41 332	28 523	90 634
2018	153	146	4	3	1 562	42 540	29 280	85 849
2019	153	146	4	3	1 487	42 675	29 768	82 285

¹⁾ Data refers to all bus routes of provided by ZET d. o. o.

Source: ZET d. o. o.

14.8 Transport by the funicular¹⁾

	Route length, m	Number of seats	Operating hours	Number of transported passengers, thousand
2015	60	56	648	741
2016	60	56	709	715
2017	60	56	799	759
2018	60	56	774	800
2019	60	56	799	771

¹⁾ ZET's funicular was first used on 8 October 1890.

Source: ZET d. o. o.

14.9 Rail transport¹⁾

	Railway length, km	Work-day average number of trains	Number of transported passengers, thousands	Railway sections
2015	58	240	7 839*	4
2016	58	238	8 129*	4
2017	58	231	8 374	4
2018	58	247	8 660	4
2019	58	269	9 059 ¹⁾	4

¹⁾ In relation to 2018, urban and suburban trains were introduced on the route Zagreb GK - Velika Gorica and Zagreb GK - Jastrebarsko

Source: HŽ Passenger Transport

14.10 Passengers on halts in the City of Zagreb¹⁾

Direction	Entry/Exit of passengers ²⁾				
	2015	2016	2017	2018	2019
1. Savski Marof – Zagreb Main Station and Zagreb Main Station – Dugo Selo					
Railway halt					
Sesvetski Kraljevec	327 859	364 532	362 480	371 980	439 929
Sesvete	1 226 819	1 235 696	1 260 698	1 294 731	1 429 726
Čulinec	422 882	429 976	457 599	436 525	493 624
Trnava	445 214	448 978	464 517	449 743	513 820
Maksimir	652 316	672 780	695 841	645 855	792 479
Zagreb Main Station	7 106 006	7 163 790	7 240 390	7 450 641	7 670 940
Zagreb West Station	940 954	932 291	983 954	995 838	1 129 530
Kustošija	509 029	508 623	518 863	497 209	561 012
Vrapče	756 226	775 759	751 410	867 803	946 223
Gajnice	654 041	644 172	645 103	703 067	825 870
Podsused	459 113	443 412	450 208	435 066	547 402
2. Zagreb Main Station – Rijeka					
Railway halt					
Zagreb Main Station	891 085	943 875	871 915	908 826	1 224 686
Remetinec	94 888	97 464	90 972	101 081	155 366
Hrvatski Leskovac	66 922	59 234	57 204	53 104	77 253
Horvati	45 107	41 291	40 824	40 661	50 724
Mavračići	11 934	10 677	11 340	9 552	12 371

14.10 Passengers on halts in the City of Zagreb¹⁾

(Continued)

Direction	Entry/Exit of passengers ²⁾				
	2015	2016	2017	2018	2019
3. Zagreb Main Station – Sisak – Novska					
Railway halt					
Zagreb Main Station	779 647	943 643	990 979	1 011 863	1 095 720
Zagreb Klara	39 507	42 957	46 273	49 397	49 594
Buzin	35 000	39 695	49 967	53 563	62 303
Odra	50 653	47 029	43 383	47 403	44 830

¹⁾ See Notes of Methodology.

²⁾ Estimate of entry/exit of passengers.

Source: HŽ Passenger Transport;
processing: COSPDC – Department of Statistical and Analytical Affairs

14.11 Services of the Zagreb Bus Station

Type of service	Unit of measure for service	2015	2016	2017	2018	2019
Tickets	number	1 503 566	1 494 890	1 448 296	1 328 697	1 167 662
Station services	HRK	1 506 578	1 503 245	1 449 925	1 320 590	1 162 323
Departing buses	number	179 570	185 993	176 842	174 673	176 734
Luggage storage	HRK	43 042	46 548	50 946	55 924	54 567

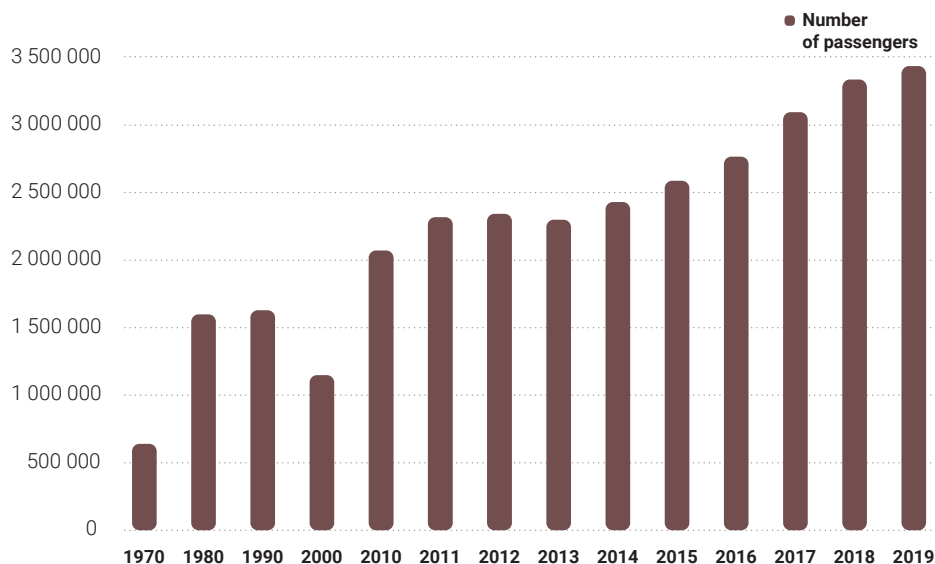
Source: Zagreb Holding, subsidiary Zagreb Bus Station

14.12 Traffic at the airport of Zagreb¹⁾

	Traffic		
	airplanes (departed and arrived)	passengers (departed and arrived)	cargo, tonnes (dispatched and received)
1970	20 462	640 168	6 101
1980	43 648	1 599 531	12 778
1990	33 096	1 629 998	14 112
2000	27 116	1 149 564	7 573
2010	39 812	2 071 561	9 386
2011	42 360	2 319 098	9 450
2012	39 038	2 342 309	9 491
2013	38 894	2 300 231	9 206
2014	38 348	2 430 971	8 863
2015	39 854	2 587 798	7 085
2016	40 796	2 766 087	7 572
2017	41 585	3 092 047	9 801
2018	43 688	3 336 310	13 675
2019	45 061	3 435 531	12 684

¹⁾ The new terminal of "Franjo Tuđman" International Airport opened on March 21, 2017

Source: MZLZ "Franjo Tuđman"

G 14.2 Passengers transported by air traffic from 1970 to 2019**14.13 Domestic and international traffic at the Airport of Zagreb**

	Air traffic			Number of passengers transported by planes			Transport of goods and mail, tonnes
	Total	Domestic	Foreign	Total	Domestic airplanes	Foreign airplanes	

2015

Total	39 854	22 870	16 984	2 587 798	1 428 238	1 159 560	7 085
Domestic traffic	8 618	8 618	-	476 060	476 060	-	599
International traffic	31 236	14 252	16 984	2 111 738	952 178	1 159 560	6 486

2016

Total	40 796	22 654	18 142	2 766 087	1 496 922	1 269 165	7 572
Domestic traffic	8 108	8 108	-	489 496	489 496	-	554
International traffic	32 688	14 546	18 142	2 276 591	1 007 426	1 269 165	7 018

2017

Total	41 585	22 696	18 889	3 092 047	1 641 395	1 450 652	9 801
Domestic traffic	8 073	8 073	-	524 140	524 140	-	476
International traffic	33 512	14 623	18 889	2 567 907	1 117 255	1 450 652	9 325

2018

Total	43 688	8 529	35 159	3 336 310	525 204	2 811 106	13 675
Domestic traffic	8 529	8 529	-	525 204	525 204	-	403
International traffic	35 159	-	35 159	2 811 106	-	2 811 106	13 272

2019

Total	45 061	8 602	36 459	3 435 531	511 946	2 923 585	16 384
Domestic traffic	8 602	8 602	-	511 946	511 946	-	353
International traffic	36 459	-	36 459	2 923 585	-	2 923 585	16 031

Source: MZLZ "Franjo Tuđman"

14.14 Air traffic at the Airport of Zagreb by airline

	Air traffic	Number of transported passengers						
		Total	Domestic airlines			Foreign airlines		
			Arrival	Departure	Transit	Arrival	Departure	Transit
2015								
Total	39 854	2 587 798	719 314	702 892	1 296	574 865	579 027	1 640
Regular flights	33 814	2 548 413	714 952	697 878	1 296	564 409	568 927	951
Special flights	348	30 621	4 362	5 014	-	10 456	10 100	689
Other non-commercial flights	5 692	8 764	...	...	...	...	...	...
2016								
Total	40 796	2 766 087*	757 550	735 662	1 030	625 011	635 929	458
Regular flights	35 380	2 722 700*	753 541	731 253	1 030	613 036	623 840	-
Special flights	364	32 940*	4 009	4 409	-	11 975	12 089	458
Other non-commercial flights	5 052	10 447*	...	...	...	...	...	...
2017								
Total	41 585	3 092 047	832 836	806 709	185	713 376	728 425	448
Regular flights	36 609	3 056 806	827 499	801 203	185	707 439	720 480	-
Special flights	355	25 173	5 337	5 506	-	5 937	7 945	448
Other non-commercial flights	4 621	10 068	...	...	...	...	...	...
2018								
Total	43 688	3 336 310	851 854	825 023	613	825 308	823 704	4 408
Regular flights	38 229	3 285 752	843 338	817 207	-	812 031	811 568	1 608
Special flights	1 307	45 158	8 516	7 816	613	13 277	12 136	2 800
Other non-commercial flights	4 152	5 400	...	...	...	...	...	...
2019								
Total	45 061	3 435 531	860 762	829 334	1 760	866 493	861 377	7 434
Regular flights	39 634	3 387 944	852 923	822 682	1 266	856 288	851 438	3 347
Special flights	1 010	39 216	7 839	6 652	494	10 205	9 939	4 087
Other non-commercial flights	4 416	8 371	...	...	...	...	...	...

Source: MZLZ "Franjo Tuđman"

14.15 Traffic assets of the Airport of Zagreb

	Runway		Platform tools						Other				
	Length, m	Width, m	Airport buses	Catering vehicles	Tugs and tractors	car lifts and cargo platforms	Passenger stairs	Luggage trolleys	Fire trucks	Snow removal vehicles	Generators	Tank-cars and goods vehicles	Airlifts
2015	3 252*	45	8	3	17	10	25	140	5	8	10	13	-
2016	3 252*	45	8	3	17	10	25	140	5	8	10	13	8
2017	3 252*	45	9	3	19	10	23	160	5	10	10	13	8
2018	3 252	45	9	4	24	10	23	180	5	10	10	13	8
2019	3 252	45	9	4	24	10	23	180	5	10	10	13	8

Source: MZLZ "Franjo Tuđman"

14.16 Traffic accidents and persons injured in traffic accidents

	Traffic accidents			Injured persons		
	Total	Involving material damage	Involving injured persons	Total	Dead	Injured
2015	6 262	4 448	1 814	2 402	20	2 382
2016	5 882	4 215	1 667	2 186	20	2 166
2017	6 255	4 482	1 773	2 220	27	2 193
2018	5 678	4 033	1 645	2 046	25	2 021
2019	5 783	4 159	1 624	2 067	16	2 051

Source: Ministry of the Interior

14.17 Electronic communication services

	2015	2016	2017	2018	2019
Number of fixed network connections, thousands	296 601	283 198	276 667	290 529	287 799
Number of broadband Internet connections (DSL, cable networks, etc.)	248 422	263 334	273 682	291 857	296 797
Density of broadband Internet connections (number of connections per population)	31.45%*	33.33%*	34.64%	36.94%	37.57%

Source: HAKOM

14.18 Postal offices and capacity

	2015	2016	2017	2018	2019
Postal offices	74	74	74	74	73
Counters	270	270	242	258	251
Post-boxes	373	393	396	394	393
Deliverable regions	391	364	393	395	395
Postmen	428	390	439	441	442

Source: Croatian Post d. d.

14.19 Mail

	2015	2016	2017	2018	2019
Letters and others, thousand	239 951	176 308	174 531	178 160	100 103
National shipments, received	231 430	169 227	167 092	170 319	91 183
International shipments, received/dispatched	8 521	7 081	7 439	7 841	8 920
EMS and HP Express, thousands	1 824	2 446	3 254	4 068	4 457
National shipments, received	1 809	2 431	3 238	4 051	4 439
International shipments, received/dispatched	15	15	16	17	18
Packages, thousands	461	554	607	704	798
National shipments, received	332	389	394	432	451
International shipments, received/dispatched	129	165	213	272	347

Source: Croatian Post d. d.

15

Distributive
trade and
other services

Photo: Boška and Krešo, ZTB

NOTES ON METHODOLOGY

Source and method of data collection

Release data Distributive trades and other services are the result of statistical research Monthly report on trade and other services (USL-1 form), conducted by the Croatian Bureau of Statistics from administrative sources of data, except for data on retail trade (section G 47) obtained by the Monthly report on retail trade (form TRG-1).

The administrative data source (VAT tax return files held by the Tax Administration) applies to small units from all service activities except catering.

The research Monthly Report on Trade and Other Services (USL-M form) has been applied since January 2017 and has replaced the quarterly research periodical Quarterly report on trade and other services (USL-1 form).

The source of data on retail trade is the regular statistical survey Monthly Retail Trade Report (TRG-1 form), which Croatian Bureau of Statistics has been conducted since the beginning of 1998.

The survey methodology is based on the EU Regulation Nos 1165/98, 1158/05, 1503/06 and 1893/06 concerning short-term statistics (Appendix C and D).

Data on held fairs and exhibitions were obtained from the Zagreb Fair branch of Zagreb Holding.

In retail trade, the research includes business entities (legal entities and craftsmen) which, according to their predominant activity, are registered for retail trade (Section 47 of the NACE 2007). The selected business entities from other activities are also included if they recorded turnover in retail trade.

The research is conducted by the method of sample. The sampling frame consists of active business entities or their parts registered in the Statistical Business Register of the Croatian Bureau of Statistics. The sample includes business entities with ten or more employees and a random sample of selected business entities with less than ten employees.

Business entities are classified according to the main activity listed in the 2007 National Classification Activities (Official Gazette Nos 58/07 and 123/08) and according to their size (classes from 1 to 7).

The criterion for determining the size of a business entity is the number of employees. Businesses entities of size 1 are those with 0 – 4 employees, of size 2 those with 5 – 9 employees, of size 3 those with 10 – 19 employees, of size 4 with those 20 – 49 employees, of size 5 those with 50 – 99 employees, of size 6 those with 100 – 249 employees, and of size 7 those with 250 and more employees.

The Zagreb Fair venue hosts specialized fairs and exhibitions, including the Zagreb Auto Show which takes place every even year, and the Zagreb Crafts Fair which has been taking place since 2016, where tradesmen, members of the Croatian Chamber of Economy, present their particular occupations. Entrance to the five fairs held was free. The number of visitors at these fairs was estimated on the basis of parallel indicators.

The Zagreb International Autumn Fair was abolished in 2017.

Coverage and comparability

Research in the field of service activities is conducted by the sample method. The sample is selected on a yearly basis and the criteria for selecting the sample are active business entities or their parts registered in the Statistical Business Register of the Croatian Bureau of Statistics and business entities' annual turnover for the previous year.

Since the first quarter of 2016, data has also been provided on three new service activities that are not included in the scope of the afore-mentioned Regulation: L 68 Real estate activities, N 77 Rental and leasing activities, and N 81 Services to buildings and landscape activities.

Definitions and explanations

Turnover is the value of all goods sold and services provided on the market during reference period, regardless of whether they have been paid. Value added tax is excluded from turnover.

Business entities report the total turnover realized from main activity and secondary activities they perform.

Retail turnover is the value of all goods sold and services provided on the market in a month, regardless of whether they have been paid, including value added tax.

Total retail trade turnover (section 47 of the NACE-2007) is the turnover realized by all business entities for which retail trade is the predominant activity (classified in section 47 of the NACE-2007).

Trading professions are the actual predominant range of retail sales, where the products that are sold are also classified according to the 2007 National Classification Activities.

Nominal indices display the turnover movements at current prices.

Fair or exhibition is an economic event or performance which is repeated over particular time periods and is limited in time, where products, goods and services are presented. A fair or exhibition can be general or specialized, may be aimed at direct trading or concluding trading affairs on the basis of exhibited products, goods and services.

An exhibitor is a business entity (company, organization or individual) approved by the trade fair organizer to present or distribute certain products, services and / or rights at the exhibition stand with the staff present there.

An exhibitor can act as a direct or indirect exhibitor (co-exhibitor). The exhibitor can be counted several times, provided it is present at several exhibitor stands that must be located in clearly separated areas and addressing different audiences with different focus areas.

A direct exhibitor is a business entity that has a direct contractual relationship through an exhibition stand with the fair organizer.

An indirect exhibitor (co-exhibitor) is a business entity that, with the consent of the fair organizers, is present in the exhibition space of the direct exhibitor with its own economic resources and staff. An indirect exhibitor is counted only when it is entered as such in the exhibitor's application documentation with the full name and provided that he is not represented at the fair by any other exhibitor.

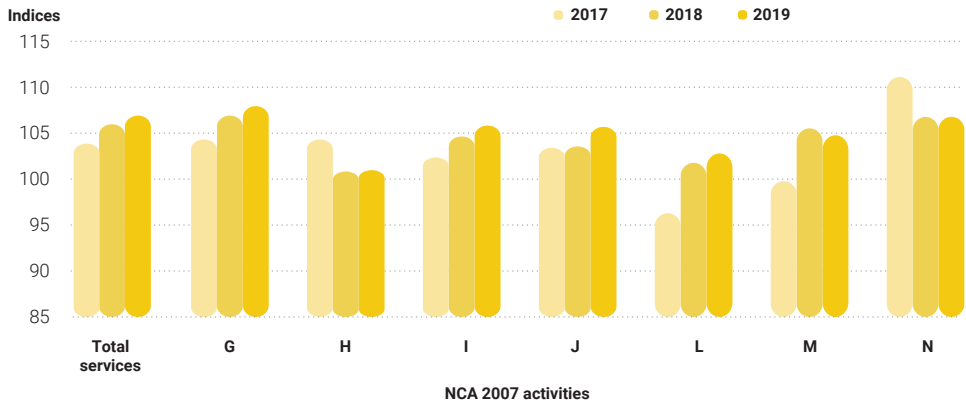
15.1 Nominal indices of service activities turnover by main activities of business entities

NCA 2007 Activities			Indices		
			<u>2017</u> 2016	<u>2018</u> 2017	<u>2019</u> 2018
Total services¹⁾			103.9	106.0	107.0
G	45 + 46 + 47	Wholesale and retail trade; repair of motor vehicles and motorcycles	104.3	107.0	108.0
H	49 + 50 + 51 + 52 + 53	Transportation and storage	104.3	100.8	101.0
I	55 + 56	Accommodation and food service activities	102.4	104.7	105.9
J	58 + 59 + 60 + 61 + 62 + 63	Information and communication	103.4	103.6	105.8
L	68	Real estate activities	96.3	101.8	102.9
M	69 + 702 + 71 + 73 + 74	Professional, scientific and technical activities	99.7	105.6	104.8
N	77 + 78 + 79 + 80 + 81 + 812 + 82	Administrative and support service activities	111.2	106.8	106.8

¹⁾ See Notes on Methodology.

Source: CBS; processing: COSPDC – Department of Statistical and Analytical Affairs

G 15.1 Nominal indices of service activities turnover from 2017 to 2019



15.2 Nominal indices of retail trade turnover, by predominant business activity of the entity and the National Classification of Activities 2007

2007 NCA Activities		Total retail trade turnover (section 47 of the NCA) ¹⁾		Retail trade turnover	
		<u>2018</u> 2017	<u>2019</u> 2018	<u>2018</u> 2017	<u>2019</u> 2018
Total¹⁾		-	-	106.1	103.4
47	Retail trade, except of motor vehicles and motorcycles	104.7	100.8	106.2	103.8
47.11 + 47.2	Retail sale of food, beverages and tobacco	...	103.7	...	104.4
47.19 + 47.4 + 47.5 + 47.6 + 47.7 + 47.8 + 47.9	Retail sale of non-food products (except sale of automotive fuel)	...	105.4	...	106.0
47.3	Retail sale of automotive fuel in specialised stores	...	84.8	...	123.4
47.91	Retail sale via mail order houses or via Internet	...	98.4	...	108.8
47 - 47.3	Retail sale except specialized sale of automotive fuel	...	104.6	...	79.5
Other activities (outside section 47)		-	-	105.7	101.9

¹⁾ See Notes on Methodology.

Source: CBS; processing: COSPDC – Department of Statistical and Analytical Affairs

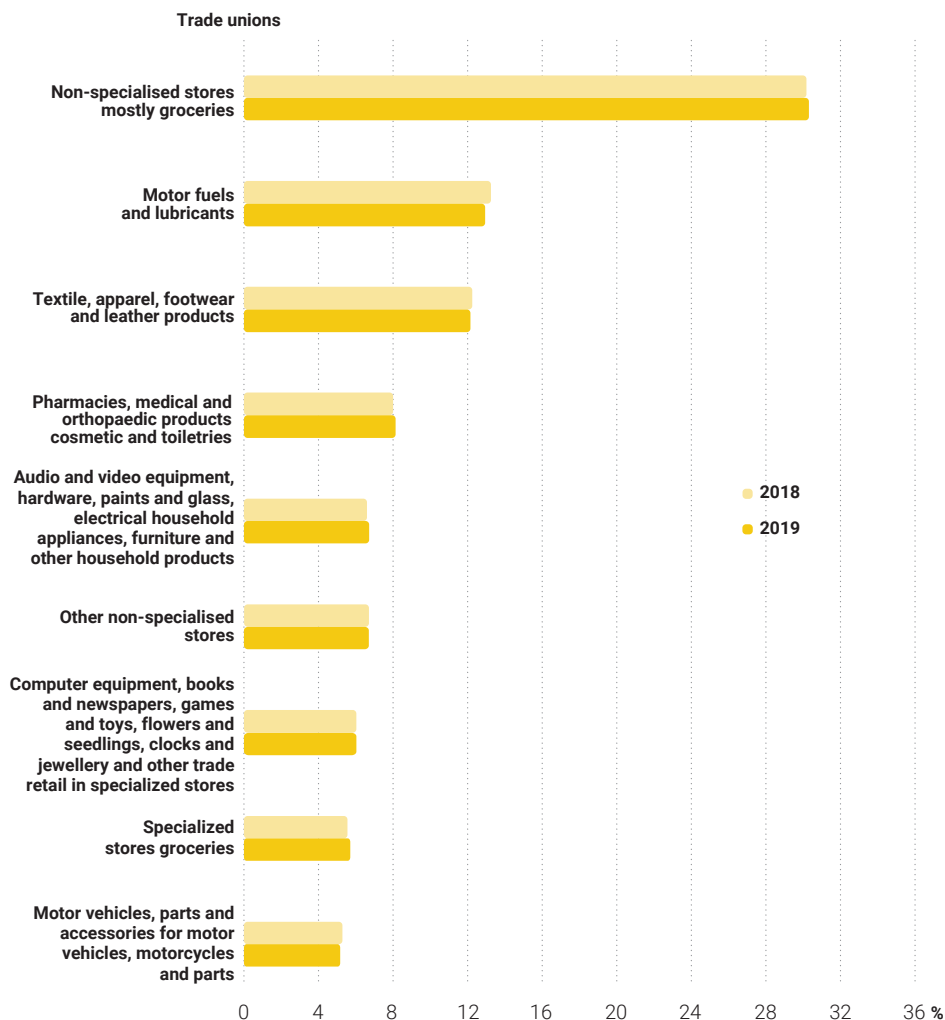
15.3 Structure of retail trade turnover by trade professions¹⁾

	2018	2019
Total	100.0	100.0
Total, except motor vehicles and motorcycles, their parts and accessories and automotive fuel	81.1	82.0
Motor vehicles, parts and accessories for motor vehicles, motorcycles and parts	5.3	5.1
Automotive fuel	13.7	12.9
Non-specialized stores with mostly food products	30.6	30.8
Other non-specialized stores	7.6	7.6
Specialized stores with food products	5.7	5.9
Pharmacies, medical and orthopaedic goods, cosmetic and toilet articles	8.0	8.3
Textiles, clothing, footwear and leather goods	12.7	12.6
Audio and video equipment, hardware, paints and glass, electrical household appliances, furniture and other household products	7.3	7.6
Computer equipment, books and newspapers, games and toys, flowers and plants, watches and jewellery and other retail sale in specialized stores	6.4	6.4
Other retail trade outside stores	2.7	2.8

¹⁾ Data are presented by trade professions regardless of the activity in which the business entity is registered.

Source: CBS; processing: COSPDC – Department of Statistical and Analytical Affairs

G 15.2 Structure of retail trade turnover by type of trade in 2018 and 2019

15.4 Fairs and exhibitions¹⁾ at the Zagreb Fair

	Number of fairs	Surface area used for exhibitions, thousands of m ²	Exhibitors ¹⁾			Visitors, thousands
			Total	National	Foreign	
2015	13	18.5	1 469*	938*	531*	180
2016	12	61.0	2 840*	1 479*	1 361*	368
2017	18	47.0	1 999	1 327	672	239
2018	18	68.2	2 849*	1 399*	1 450*	380
2019	18	39.2	2 351	1 487	864	275

¹⁾ See Notes on Methodology.

Source: Zagrebački velesajam d.o.o. (Zagreb Fair L.t.d.)

The largest export of the City of Zagreb in 2019 was realized in Bosnia and Herzegovina in the amount of 6.0 billion kuna, which makes up 17.1% of the total export of the City of Zagreb.

The largest import of the City of Zagreb in 2019 was realized from Germany in the amount of 13.4 billion kuna, which makes up 14.4% of the total import of the City of Zagreb.

16

Foreign trade in goods



Photo: M. Gašparović, ZTB

NOTES ON METHODOLOGY

Sources of data

Survey on foreign trade in goods is conducted by the Croatian Bureau of Statistics in cooperation with the Customs Administration of the Ministry of Finance of the Republic of Croatia. Since the accession of the Republic of Croatia to the European Union, which occurred on 1 July 2013, statistical data on the foreign trade of Croatia have been obtained from two different sources. The sources are the Intrastat form regarding the statistics on trade between the EU Member States, and the Single Administrative Document for trade statistics with non-EU countries (Extrastat).

Data source for the statistics on trade with EU Member States is the Intrastat form, which the reporting units use to report on arrivals and/or dispatches on a monthly basis, i.e. in the month in which goods enter or leave the territory of the Republic of Croatia. Reporting units are all business entities, taxpayers of value added tax, whose value of trading in goods with EU Member States exceeds the exemption threshold for the reference year. For the purpose of complete harmonization with the EU methodology and legislation, data of 2013 include the value of trade below the exemption threshold, which was estimated based on data on supplies and acquisitions of goods in/from EU Member States, which were provided by the Tax Administration of the Republic of Croatia.

By following the basic methodological recommendations of the UN Statistical Office and Eurostat, the Croatian Bureau of Statistics statistically processes and publishes collected Intrastat and Extrastat data as unique information on the foreign trade in goods of the Republic of Croatia.

Legal basis

The legal basis for conducting the Intrastat survey is the European legislation pertaining to trade statistics between the EU Member States (Regulation No. 638/2004 and regulations Nos 222/2009 and 659/2014 of the European Parliament and the Council amending the aforementioned Regulation, and the Commission Implementing Regulation No. 1982/2004 and amending Regulations Nos 1915/2005, 91/2010, 96/2010 and 1093/2013), the Official Statistics Act (Official Gazette Nos 103/03, 75/09, 59/12 and 12/13 – consolidated text) and the Customs Administration Act (Official Gazette Nos 68/13, 30/14 and 115/16). More detailed methodological explanations regarding the survey are published on the website of the Croatian Bureau of Statistics (<http://www.dzs.hr/Hrv/intrastat/intrastat.htm>).

The legal basis for Extrastat is the European legislation on the statistics of trade with third countries (Regulation (EC) No. 471/2009 of the European Parliament and Council, Commission Regulation (EU) No. 92/2010 and Commission Regulation (EU) No. 113/2010), the EU Customs Regulations Implementation Act (Official Gazette No. 40/16), the Official Statistics Act (Official Gazette Nos 103/03, 75/09, 59/12 and 12/13 – consolidated text), the Customs Administration Act (Official Gazette Nos 68/13, 30/14 and 115/16) and the Ordinance on Filling In the Single Administrative Document (Official Gazette No. 77/13).

Coverage and comparability

Statistics on foreign trade in goods includes data on all goods exported from or imported into the country. Data on foreign trade in goods include data on exports and imports based on gross domestic and foreign production.

Export stands for all goods exported from Croatia and produced domestically or coming from domestic trade.

Import encompasses all goods imported to Croatia from foreign countries, for domestic consumption or for internal production.

Statistical value of goods is the value of goods at the Croatian border. In case of export, i.e. dispatches, the values are displayed according to the FOB parity, while in case of import, i.e. arrivals, the values are shown in the CIF parity.

Amounts expressed in foreign currencies are translated into HRK (Croatian Kuna) and EUR (Euro) using the monthly exchange rate lists determined for the relevant month. The middle exchange rate of the Croatian National Bank is applied.

In some tables, the total sum may not match the sum of individual items due to rounding numbers to the nearest thousands.

Data per counties, the City of Zagreb included, has been received by classifying enterprises which exported from and imported to the county of their incorporation according to the Statistical Business Register (SPR).

Data by type of activities have been presented according to the NCA 2007. (NN, Nos 58/07 and 72/07), which entered into force on 1 January 2008 and is based on the European classification NACE, Rev. 2, which is obligatory in EU Member States..

Data on export of goods are shown according to countries of destination. In Extrastat, data on import of goods are presented according to the countries of origin of goods, while the data on receipt of goods are presented in Intrastat according to the countries of dispatch.

The economic classification of countries is as follows:

- **European Union – EU** (Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Greece, Croatia, Ireland, Italy, Latvia, Lithuania, Luxembourg, Hungary, Malta, the Netherlands, Germany, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden and the United Kingdom)
- **European Free Trade Association – EFTA** (Iceland, Liechtenstein, Norway and Switzerland)
- **Central European Free Trade Agreement – CEFTA** (Albania, Bosnia and Herzegovina, Montenegro, Kosovo, Macedonia, Moldova and Serbia)
- **Organization of the Petroleum Exporting Countries – OPEC** (Algeria, Angola, Ecuador, Iraq, Islamic Republic of Iran, Qatar, Kuwait, Libya, Nigeria, Saudi Arabia, United Arab Emirates and the Bolivarian Republic of Venezuela)

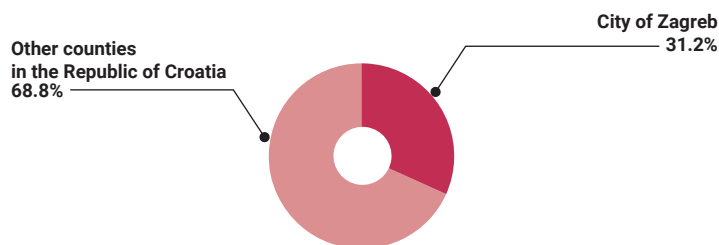
16.1 Export and import of the City of Zagreb and the Republic of Croatia

Thousands of HRK

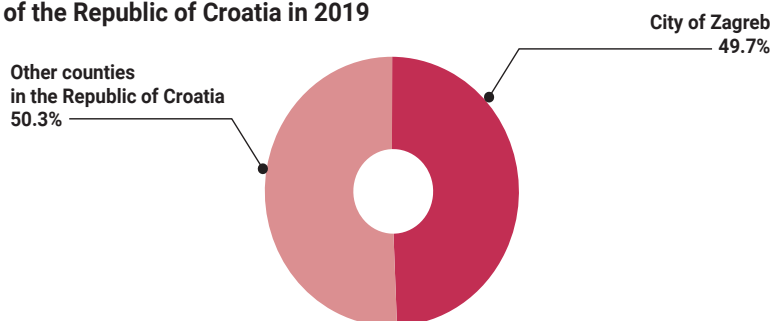
	2017	2018	2019
Export			
Republic of Croatia	104 600 956	107 913 440	112 877 765
City of Zagreb	33 283 999	33 381 275	35 210 291
Share of the City of Zagreb, %	31.8	30.9	31.2
Import			
Republic of Croatia	163 313 126	176 215 726	185 197 405
City of Zagreb	80 129 738	86 104 137	93 081 942
Share of the City of Zagreb, %	49.1	48.9	50.3
Balance of trade in goods			
Republic of Croatia	-58 712 170	-68 302 286	-72 319 640
City of Zagreb	-46 845 739	-52 722 862	-57 871 651
Share of the City of Zagreb, %	79.8	77.2	80.0
Coverage of import by export, %			
Republic of Croatia	64.0	61.2	60.9
City of Zagreb	41.5	38.8	37.8

Source: CBS; processing: COSPDC – Department of Statistical and Analytical Affairs

G 16.1 Share of the export of the City of Zagreb in total export of the Republic of Croatia in 2019



G 16.2 Share of the import of the City of Zagreb in total import of the Republic of Croatia in 2019



16.2 Total export and import of the City of Zagreb in EUR

	Thousands of EUR		
	2017	2018	2019
Export	4 459 352	4 498 853	4 749 881
Import	10 740 534	11 604 392	12 556 261
Balance of trade in goods	-6 281 182	-7 105 539	-7 806 380

Source: CBS; processing: COSPDC – Department of Statistical and Analytical Affairs

16.3 Export according to NCA 2007

		Thousands of HRK		
		2017	2018	2019
Total		33 283 999	33 381 275	35 210 291
A	Agriculture, forestry, and fishing	178 533	185 689	457 905
B	Mining and quarrying	7 097 268	8 550 769	7 518 780
C	Manufacturing	12 530 853	11 478 488	11 976 100
D	Electricity, gas, steam, and air conditioning supply	2 285 589	1 388 021	1 451 194
E	Water supply; sewerage, waste management, and remediation activities	589 215	582 558	697 303
F	Construction	83 397	117 614	95 071
G	Wholesale and retail trade; repair of motor vehicles, and motorcycles	8 592 437	9 405 963	11 231 063
H	Transportation and storage	224 141	234 926	202 423
I	Accommodation and food service activities	41 966	42 494	29 935
J	Information and communication	319 300	360 454	317 952
K	Financial and insurance activities	64 620	41 934	79 022
L	Real estate activities	34 249	24 376	46 390
M	Professional, scientific, and technical activities	971 203	713 591	858 796
N	Administrative and support service activities	182 900	166 264	147 948
O	Public administration and defence; compulsory social security	2 781	829	919
P	Education	2 704	121	268
Q	Human health and social work activities	6 003	7 782	7 612
R	Arts, entertainment, and recreation	9 160	20 938	27 963
S	Other service activities	67 670	58 386	63 459
U	Activities of extraterritorial organizations and bodies	-	5	-
X	Unclassified	11	72	186

Source: CBS; processing: COSPDC – Department of Statistical and Analytical Affairs

16.4 Import according to NCA 2007

Thousands of HRK

		2017	2018	2019
Total		80 129 738	86 104 137	93 081 942
A	Agriculture, forestry, and fishing	245 756	275 600	334 771
B	Mining and quarrying	9 748 494	12 708 505	12 645 129
C	Manufacturing	11 546 047	11 186 993	11 986 225
D	Electricity, gas, steam, and air conditioning supply	4 713 183	4 062 809	4 557 452
E	Water supply; sewerage, waste management, and remediation activities	181 640	158 960	171 650
F	Construction	677 756	757 409	1 179 986
G	Wholesale and retail trade; repair of motor vehicles and motorcycles	46 681 348	50 425 241	54 613 085
H	Transportation and storage	646 470	660 939	793 181
I	Accommodation and food service activities	142 337	170 632	133 785
J	Information and communication	2 158 264	2 028 411	2 143 678
K	Financial and insurance activities	326 344	353 049	314 461
L	Real estate activities	42 081	32 182	273 306
M	Professional, scientific, and technical activities	2 174 329	2 328 446	2 883 180
N	Administrative and support service activities	242 500	369 796	450 571
O	Public administration and defence; compulsory social security	117 274	57 710	23 533
P	Education	5 279	7 292	5 819
Q	Human health and social work activities	17 565	17 124	16 127
R	Arts, entertainment, and recreation	153 181	151 319	185 634
S	Other service activities	306 218	351 587	370 312
U	Activities of extraterritorial organizations and bodies	23	7	32
X	Unclassified	3 652	126	23

Source: CBS; processing: COSPDC – Department of Statistical and Analytical Affairs

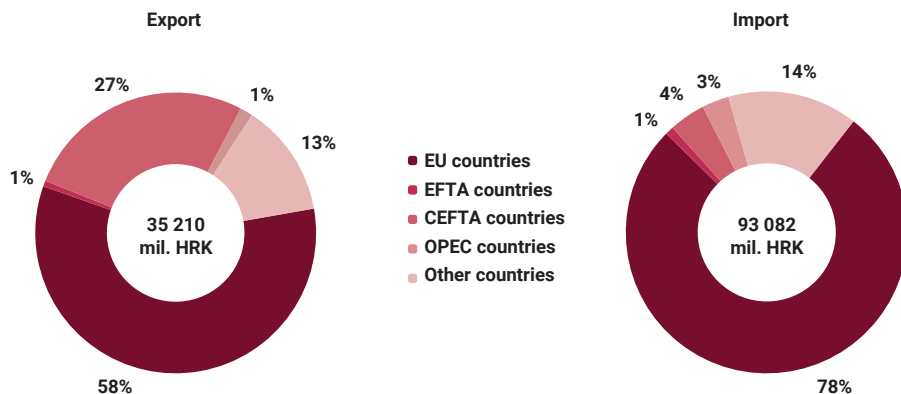
16.5 Export and import by economic classification of countries

Thousands of HRK

	Export			Import		
	2017	2018	2019	2017	2018	2019
Total	33 283 999	33 381 275	35 210 291	80 129 738	86 104 137	93 081 942
EU countries	18 200 584	19 443 167	20 482 488	59 872 142	64 136 000	72 653 243
EFTA countries	257 171	418 284	235 857	953 629	1 213 294	917 005
CEFTA countries	8 310 437	8 092 295	9 371 349	4 304 539	4 233 976	3 871 951
OPEC countries	903 398	837 195	514 908	3 534 438	4 302 844	2 895 951
Other countries	5 612 409	4 590 334	4 605 689	11 464 988	12 218 023	12 743 792

Source: CBS; processing: COSPDC – Department of Statistical and Analytical Affairs

G 16.3 Export and import by economic classification of countries in 2019



16.6 Export and import of the City of Zagreb into partner countries

Thousands of HRK

	Export			Import		
	2017	2018	2019	2017	2018	2019
Total	33 283 999	33 381 275	35 210 291	80 129 738	86 104 137	93 081 942
Afghanistan	160	180	450	-	2	-
Albania	229 355	247 236	375 115	13 809	14 457	19 747
Algeria	123 031	364 288	14 735	-	972	17 067
American Samoa	-	-	105	-	-	-
Andorra	-	-	530	34	-	1
Angola	1 236	255	-	-	-	-
Argentina	5 409	51 784	12 969	39 727	36 245	41 165
Armenia	14 152	9 367	1 421	13	-	-
Australia	60 280	46 905	45 806	4 133	9 760	4 628
Austria	1 044 668	1 131 942	1 201 149	4 840 224	5 158 047	5 223 343
Azerbaijan	1 391	2 405	2 842	1 674 319	2 556 931	2 956 710
Bahamas	234	1 127	677	-	-	-
Bahrain	84	193	481	217	1 585	1 445
Bangladesh	25 438	6 995	13 073	15 741	17 053	19 214
Belgium	227 178	331 131	417 700	1 423 050	1 358 270	1 401 260
Benin	19	10 303	182	-	109	717
Bermuda	-	655	5 755	-	-	-
Ivory Coast	2 537	2 980	7 550	-	-	8
Belarus	38 178	40 266	79 517	1 896	3 777	11 713
Bocvana	-	-	35	-	-	-
Bolivia, the Plurinational State of Bolivia	-	-	436	372	1 005	237
Bonaire, Saint Eustazia and Saba	-	8	-	-	-	-

16.6 Export and import of the City of Zagreb into partner countries

(Continued)

Thousands of HRK

	Export			Import		
	2017	2018	2019	2017	2018	2019
Bosnia and Herzegovina	5 372 668	5 296 301	6 018 577	2 501 069	2 167 763	1 955 973
Christmas Island	-	-	-	1	-	-
Brazil	7 183	26 645	18 982	125 706	62 551	29 193
British Virgin Islands	543	814	19	3 196	-	965
Brunei	68	2	-	-	108	-
Bulgaria	146 299	208 541	231 635	403 810	566 799	603 558
Burkina Faso	6 333	1 131	1 975	-	6	-
Burundi	2	8	-	-	-	-
Butan	-	-	-	-	-	-
Cyprus	41 702	18 823	38 469	32 227	32 656	52 798
Montenegro	443 134	535 203	618 173	6 923	4 928	6 331
Chad	-	13	523	1	4	-
Czech Republic	519 031	481 230	616 989	1 965 642	2 528 345	2 300 574
Chile	1 084	14 731	15 126	9 786	11 293	11 610
Denmark	85 493	83 141	135 098	1 061 704	485 476	514 644
Dominican Republic	331	4 076	5 178	897	800	995
Djibouti	7 130	88	75	-	-	-
Egypt	777 563	280 385	425 602	25 815	36 378	45 227
Ecuador	508	-	187	59 483	62 203	68 828
Equatorial Guinea	-	-	681	-	-	-
Eritrea	38	1 258	6 674	-	-	-
Estonia	59 890	21 647	10 882	10 819	14 059	27 629
Ethiopia	-	1 584	1 339	2 462	1 499	511
Fiji	-	1	-	-	-	-
Philippines	62 843	63 418	60 328	9 183	19 345	24 386
Finland	140 929	78 920	94 442	114 347	90 360	153 132
France	535 522	455 060	561 034	2 351 220	2 766 514	2 953 620
French Polynesia	1	2	185	-	-	-
French Southern Territories	-	4	-	-	-	-
Gabon	1 778	494	-	-	-	-
Ghana	1 012	1 692	11 669	5	777	2 479
Gibraltar	834 796	1 095 786	200 156	-	12 980	-
Greece	101 488	78 298	497 207	360 440	540 347	481 943
Georgia	3 043	16 470	5 420	1 199	144	210
Guyana	-	205	-	3	-	263
Guatemala	1 210	481	294	326	1 588	34
Guinea	-	1 078	113	-	-	-
Haiti	474	91	177	123	60	52
Honduras	-	-	5	3 943	2 252	145
Hong Kong	10 390	23 337	60 522	75 598	100 422	55 638

16.6 Export and import of the City of Zagreb into partner countries

(Continued)

Thousands of HRK

	Export			Import		
	2017	2018	2019	2017	2018	2019
India	30 913	20 055	47 642	653 144	488 708	542 759
Indonesia	8 423	10 296	19 805	66 641	28 343	32 433
Iraq	14 660	18 101	2 339	1 649 644	2 952 153	925 340
Iran, Islamic Republic	2 755	12 786	2 189	396 516	440 228	4 295
Ireland	241 646	129 129	225 356	394 795	463 803	523 627
Iceland	13 487	10 343	21 420	7 693	3 346	10
Italy	3 224 754	3 805 419	3 699 089	6 792 251	7 192 057	10 022 684
Israel	259 732	86 647	229 348	53 655	125 964	321 544
Jamaica	-	-	-	-	-	1
Japan	30 202	61 122	29 078	140 056	184 198	140 143
Jordan	3 518	876	3 638	308	1 371	549
South Sudan	50	603	346	-	-	-
South Africa	58 754	59 543	29 783	14 985	4 966	9 615
Cayman Islands	26	21	-	-	-	-
Cambodia	-	978	2 645	10 774	5 519	2 601
Cameroun	136 374	-	534	57 161	1	10
Canada	318 912	116 641	92 365	583	377 942	99 000
Qatar	-	98 245	23 820	-	177	258
Kazakhstan	49 148	19 640	27 345	1 070 707	476 640	53 076
Kenya	49 362	3 173	5 202	33	-	-
China	157 692	112 714	138 229	2 098 106	2 142 990	2 785 978
Kyrgyz, Republic	3	-	193	489	687	658
Colombia	423	336	1 786	48 219	41 588	39 050
Komori	-	-	2 134	-	-	-
Congo	551	7 694	1	-	-	-
Congo, Democratic Republic	-	-	492	2	-	-
Korea, Republic	17 485	18 285	18 259	154 035	253 577	392 142
Kosovo	159 347	225 368	241 135	4 843	6 195	13 368
Costa Rica	-	-	10	398	14 126	5 991
Cuba	18 850	11 637	21 017	432	349	362
Kuwait	5 283	5 782	4 059	5	3	203
Laos, People's Democratic Republic	26	-	-	85	60	37
Latvia	24 080	16 361	13 042	24 442	25 844	36 628
Lebanon	14 474	81 970	28 408	56	55	44
Liberia	1	402	550	-	-	148
Libya	1 006	1 551	2 642	871 248	525 364	1 034 095
Liechtenstein	32	137	39	72	285	105
Lithuania	58 476	73 724	88 971	91 472	102 180	125 507

16.6 Export and import of the City of Zagreb into partner countries

(Continued)

Thousands of HRK

	Export			Import		
	2017	2018	2019	2017	2018	2019
Luxembourg	23 351	27 710	14 770	55 901	56 453	81 427
Madagascar	12	24	21	-	2	2
Hungary	1 396 376	1 503 546	1 771 144	6 680 312	7 114 887	9 008 909
Macao	2	-	14	3 554	3 668	4 060
Malawi	-	254	-	-	-	-
Maldives	1 073	388	337	-	-	1
Malaysia	9 906	1 931	9 330	48 507	42 118	33 008
Mali	19	1 235	102	7	1	-
Malta	474 921	607 559	111 707	17 456	15 424	25 063
Morocco	527 075	17 413	17 492	3 614	5 836	5 233
Marshall Islands	18	9	51	-	-	-
Mauritius	200	3 169	918	1 639	1 668	1 369
Mauritania	1 154	2	-	-	-	6
Mexico	6 331	1 234	2 872	34 188	27 933	26 718
Myanmar	7 411	3 452	2 774	2 406	2 315	1 736
Moldova, Republic of	11 653	2 814	4 390	6 360	8 397	8 839
Mongolia	1 384	168	8 229	-	-	-
Mozambique	-	72	122 746	-	258	-
Namibia	132	53	81	3	-	13
Nepal	84	130	317	743	416	633
Niger	90	102	9	-	-	17
Nigeria	7 665	20 337	9 575	6	18	160 342
Nicaragua	-	-	-	124	1 033	134
Netherlands	332 887	474 242	551 268	3 489 303	3 687 618	3 853 748
Norway	104 588	212 685	32 157	36 890	332 030	46 814
New Caledonia	14	4	-	1	-	68
New Zealand	4 103	3 904	5 777	6 900	8 165	5 347
Germany	3 037 722	3 281 177	3 651 126	11 947 623	12 498 100	13 434 423
Occupied Palestinian Territory	4 072	401	459	-	-	1
Oman	21 079	1 667	3 339	398	1 927	598
Pakistan	558	499	790	35 460	37 985	36 497
Palau	1	-	-	-	-	-
Panama	171	422	1 302	279	65	7
Papua New Guinea	-	-	-	1 232	553	829
Paraguay	340	-	3 385	2	1 024	1 806
Peru	3 031	1 058	726	817	1 461	557
Poland	430 289	455 288	508 911	3 063 334	3 451 528	3 636 958
Portugal	96 210	80 249	83 718	91 004	92 924	91 809
Rwanda	4 753	819	-	805	-	4

16.6 Export and import of the City of Zagreb into partner countries

(Continued)

Thousands of HRK

	Export			Import		
	2017	2018	2019	2017	2018	2019
Romania	207 999	277 526	239 703	316 912	517 898	704 286
Russia	223 503	91 774	52 332	1 413 280	2 327 323	1 559 748
Salvador	66 274	6 202	7 577	52	73	56
San Marino	48	63	-	2 184	2 512	2 421
Saudi Arabia	350 795	334 648	197 834	554 548	320 573	675 209
Seychelles	337	212	207	-	-	-
Senegal	456	316	1 109	-	-	-
Sierra Leone	98	172	-	-	-	-
Singapore	9 980	6 801	5 913	24 349	24 366	36 070
Syria	23	-	-	38	-	-
United States of America	1 331 294	1 242 060	1 729 546	592 854	880 620	793 699
Northern Macedonia ¹⁾	326 131	347 122	384 944	259 752	310 597	235 774
Slovakia	251 902	356 245	371 126	1 721 520	1 760 912	2 154 575
Slovenia	4 226 321	4 241 464	4 112 528	9 392 806	10 192 540	11 364 504
Somalia	357	-	104	4	4	-
Serbia	1 768 149	1 438 251	1 729 015	1 511 783	1 721 639	1 631 919
Central African Republic	2 353	68	-	-	-	-
Sudan	544	1 489	232	-	-	-
Surinam	-	105	-	-	-	-
St. Lucia	1	-	-	-	-	-
Saint Martin (the Dutch part)	199	-	-	-	-	-
Saint Vincent and the Grenadines	-	279	1 103	-	-	-
Spain	372 949	333 750	414 027	1 659 684	1 838 323	2 129 604
Sri Lanka	2 095	1 279	1 500	4 730	5 674	6 436
Sweden	304 659	301 300	277 350	587 024	566 294	584 821
Switzerland	139 064	195 119	182 241	908 974	877 633	870 076
Tajikistan	-	53	6 403	-	-	-
Thailand	2 874	12 077	9 125	167 597	84 943	87 191
Taiwan	4 683	4 648	6 643	125 099	174 598	164 142
Tanzania, United Republic of	1 364	794	32 820	26	-	91
Togo	118	37	254	-	-	-
Trinidad and Tobago	1 204	-	-	-	48	-
Tunisia	209 953	257 059	136 356	3 237	2 453	5 307
Turkmenistan	1 130	104	-	-	-	271 005
Turkey	299 633	331 704	548 461	961 077	1 071 631	1 451 268
Tuvalu	-	-	-	-	4	-
Uganda	19	-	6 009	5	11	-
United Kingdom	593 842	589 745	544 047	982 820	1 018 342	1 162 169

16.6 Export and import of the City of Zagreb into partner countries

(Continued)

Thousands of HRK

	Export			Import		
	2017	2018	2019	2017	2018	2019
United Arab Emirates	77 547	71 259	257 528	2 356	1 330	10 314
Ukraine	81 637	68 871	83 097	45 418	68 535	71 475
Uzbekistan	-	-	44	-	-	-
Uruguay	267	10	-	5	-	-
Uzbekistan	27	74	-	-	-	-
Vanuatu	730	1	-	-	-	-
Venezuela, Bolivarian Republic	-	-	-	49	-	-
Vietnam	14 867	23 093	23 149	99 854	84 965	60 979
Zambia	267	14 831	117	-	-	-
Cape Verde	2	-	-	-	-	-
Zimbabwe	657	2 711	1 291	59	29	107
Other countries	62 691	75 386	85 544	1 520 459	329 872	481 467

¹⁾ Since 15 February 2019, the Republic of Croatia has used the name Republic of Northern Macedonia in all forms of official communication.

Source: CBS; processing: COSPDC – Department of Statistical and Analytical Affairs

16.7 Most important export partners

Thousands of HRK

	2017	2018	2019	2019 Share, %
Total	33 283 999	33 381 275	35 210 291	100.0
Bosnia and Herzegovina	5 372 668	5 296 301	6 018 577	17.1
Slovenia	4 226 321	4 241 464	4 112 528	11.7
Italy	3 224 754	3 805 419	3 699 089	10.5
Germany	3 037 722	3 281 177	3 651 126	10.4
Hungary	1 396 376	1 503 546	1 771 144	5.0
United States of America	1 331 294	1 242 060	1 729 546	4.9
Serbia	1 768 149	1 438 251	1 729 015	4.9
Austria	1 044 668	1 131 942	1 201 149	3.4
Montenegro	443 134	535 203	618 173	1.8
Czech Republic	519 031	481 230	616 989	1.8
France	535 522	455 060	561 034	1.6
Netherlands	332 887	474 242	551 268	1.6
Turkey	299 633	331 704	548 461	1.6
United Kingdom	593 842	589 745	544 047	1.5
Poland	430 289	455 288	508 911	1.4
Greece	101 488	78 298	497 207	1.4
Egypt	777 563	280 385	425 602	1.2

16.7 Most important export partners

(Continued)

Thousands of HRK

	2017	2018	2019	2019 Share, %
Belgium	227 178	331 131	417 700	1.2
Spain	372 949	333 750	414 027	1.2
Northern Macedonia ¹⁾	326 131	347 122	384 944	1.1
Other countries	6 922 400	6 747 957	5 209 754	14.8

¹⁾ Since 15 February 2019, the Republic of Croatia has used the name Republic of Northern Macedonia in all forms of official communication.

Source: CBS; processing: COSPDC – Department of Statistical and Analytical Affairs

16.8 Most important import partners

Thousands of HRK

	2017	2018	2019	2019 Share, %
Total	80 129 738	86 104 137	93 081 942	100.0
Germany	11 947 623	12 498 100	13 434 423	14.4
Slovenia	9 392 806	10 192 540	11 364 504	12.2
Italy	6 792 251	7 192 057	10 022 684	10.8
Hungary	6 680 312	7 114 887	9 008 909	9.7
Austria	4 840 224	5 158 047	5 223 343	5.6
Netherlands	3 489 303	3 687 618	3 853 748	4.1
Poland	3 063 334	3 451 528	3 636 958	3.9
Azerbaijan	1 674 319	2 556 931	2 956 710	3.2
France	2 351 220	2 766 514	2 953 620	3.2
China	2 098 106	2 142 990	2 785 978	3.0
Czech Republic	1 965 642	2 528 345	2 300 574	2.5
Slovakia	1 721 520	1 760 912	2 154 575	2.3
Spain	1 659 684	1 838 323	2 129 604	2.3
Bosnia and Herzegovina	2 501 069	2 167 763	1 955 973	2.1
Serbia	1 511 783	1 721 639	1 631 919	1.8
Russia	1 413 280	2 327 323	1 559 748	1.7
Turkey	961 077	1 071 631	1 451 268	1.6
Belgium	1 423 050	1 358 270	1 401 260	1.5
United Kingdom	982 820	1 018 342	1 162 169	1.2
Libya	871 248	525 364	1 034 095	1.1
Other countries	12 789 067	13 025 013	11 059 880	11.9

Source: CBS; processing: COSPDC – Department of Statistical and Analytical Affairs

In 2019 there were 1.5 million tourist arrivals, which is an increase of 31% compared to 2016, i.e. an increase of 4% compared to 2018. The total number of overnight stays in 2019 was 2.6 million, which is an increase of 34% compared to 2016, i.e. an increase of 5% compared to 2018.

17

Tourism



Photo: Boška and Krešo, ZTB

NOTES ON METHODOLOGY

Source and method of data collection

Since 2017 data on tourist arrivals and overnight stays aren't collected from the Monthly Report on Tourist Arrivals and Overnight Stays (TU-11 form) and the eVisitor system. Instead, these data have been taken from administrative source of eVisitor system and are further analysed.

By publishing the Ordinance on Managing Tourist Records and the Form and Content of the Check-in Form for Checking in Tourists with Tourist Boards (Official Gazette No. 126/05), the eVisitor system has officially become the central electronic system for check-in and check-out of tourists in the Republic of Croatia. The system has been implemented since 1 January 2016 governed by Croatian National Tourist Board.

For this reason, since 2016, the tourist boards are no longer reporting units for the number of tourist arrivals and overnight stays in households, crafts and enterprises whose accommodation facilities are classified into rooms for rent, apartments, studio apartments, summer houses and camps in households according to the Ordinance on Classification, Minimum Requirements and Categorization of Hotel and Restaurant Facilities (Official Gazette Nos 88/07, 49/08, 5/08, 58/08, 75/08, 45/09, 44/11, 118/11 and 33/14). Monthly data on the number of tourists and accommodation capacities for the appropriate types of accommodation facilities are collected from the eVisitor system. Such data are then further processed for statistical purposes.

By implementing the administrative source in data collection on tourist traffic, business entities sleeping cars and couchettes were not covered in 2017. As a result of that change in coverage, the 2015 and 2016 data have been revised in order to make them comparable with 2017 (business entities sleeping cars and couchettes are excluded).

Data on the number of accommodation facilities for persons with reduced mobility and persons with disabilities have been collected from accommodation facilities of the group Hotels and Similar Accommodation which dispose of one or more accommodation units for persons with reduced mobility and persons with disabilities, via the form Annual report on accessibility of tourist accommodation facilities to persons with reduced mobility.

Coverage and comparability

Reporting units are all business entities (enterprises/ trade companies, tradesmen, institutions, associations and parts thereof, natural persons, households engaged in providing short- stay accommodation services to tourists, business entities that founded or take care of mountain lodges, business entities that use schools, boarding homes and similar establishments as temporary accommodation capacities during school holidays).

Accommodation facilities are classified according to the Ordinance on Classification, Minimum Requirements and Categorization of Hotel and Catering Facilities (Official Gazette Nos 48/02, 108/02, 132/03, 73/04, 67/06, 88/07, 58/08, 62/09, 63/13, 33/14, 92/14, 9/16, 54/16, 56/16, 61/16 and 69/17) as follows: hotels, heritage hotels, all-suite hotels, integral hotels, diffuse hotels, boarding houses, special-standard hotels, camps, campsites outside camps, rooms for rent, apartments, studio apartments, holiday homes, overnight accommodations, hostels, mountain lodges, hunting lodges, pupils or students dormitories (when used for tourism purposes), households.

Pursuant to the Catering Act (Official Gazette Nos 85/15, 121/16 and 99/18), residential and rural households for accommodation are facilities where the landlord, i.e. owner, provides accommodation in a room, apartment or summer house, having up to ten rooms or 20 permanently available beds, or where the owner provides accommodation in a camp located on land leased by the owner, having up to ten accommodation units, i.e. for accommodation of 30 guests at the same time.

Definitions and explanations

Tourism are the activities of persons travelling and staying in places outside their usual environment for less than a year, for leisure, work or other purposes, excluding employment with a business entity with registered office in the place of visit.

Tourist is any person who, outside his/her permanent residence, spends at least one night in a hotel or other facilities providing tourist accommodation, for the purpose of leisure, recreation, health, study, sports, religion, family, work, public missions or conferences.

eVisitor is the central electronic system for check-in and check-out of tourists that functionally links all tourist boards in the Republic of Croatia. It can be accessed via the Internet and used without installation on the computer.

Tourist is registered in every location and facility he/she stays, so in case of change of location or facility, the tourist is re-registered, which results in data ambiguity. Therefore, in statistics, record is kept on the number of tourist arrivals, and not the number of tourists.

Permanent residence is the place where a person came with the intention to stay there permanently.

Domestic tourist is every person with permanent residence in the Republic of Croatia who spends at least one night in a hotel or some other accommodation establishment in any place of the Republic of Croatia that is outside his or her permanent residence.

Foreign tourist is every person with permanent residence outside the Republic of Croatia who temporarily resides in the Republic of Croatia and spends at least one night in a hotel or other accommodation establishment.

Person with reduced mobility is a person with temporary or permanent mobility difficulties due to disability, age, pregnancy etc.

Person with disability is any person with permanent or temporary physical, mental, intellectual and/or sensory impairment which, in interaction with various spatial obstacles, can prevent them from participating in society as equals.

Accessible building is every building, part of building or equipment which enables the satisfaction of obligatory preconditions of accessibility. Accessibility is the result of application of technical solutions in the designing of structures which allow persons with disabilities or reduced mobility to freely access, move around, reside and work in the facility.

The accessibility of buildings to persons with disabilities is regulated by the Building Act (Official Gazette No. 153/13), while the obligations related to the construction of new buildings, as well as obligations of adjustment of the existing buildings being reconstructed, are defined by the Ordinance on ensuring access to the disabled and to persons with reduced mobility (Official Gazette No. 78/13).

Tourist arrivals mean the number of persons (tourists) who came and registered their stay in an accommodation establishment.

Tourist overnight stay means every registered overnight stay of a person (tourist) in an accommodation establishment.

Accommodation capacity is shown as the number of rooms, apartments, camping sites and the total number of beds as at 31 August. By applying Regulation No. 692/2011 of the European Parliament and Council concerning European statistics on tourism, accommodation capacity is presented for the month of the year when it was the highest.

Permanently available beds are beds that are regularly available for rent to guests.

17.1 Tourist accommodation capacities by type of accommodation

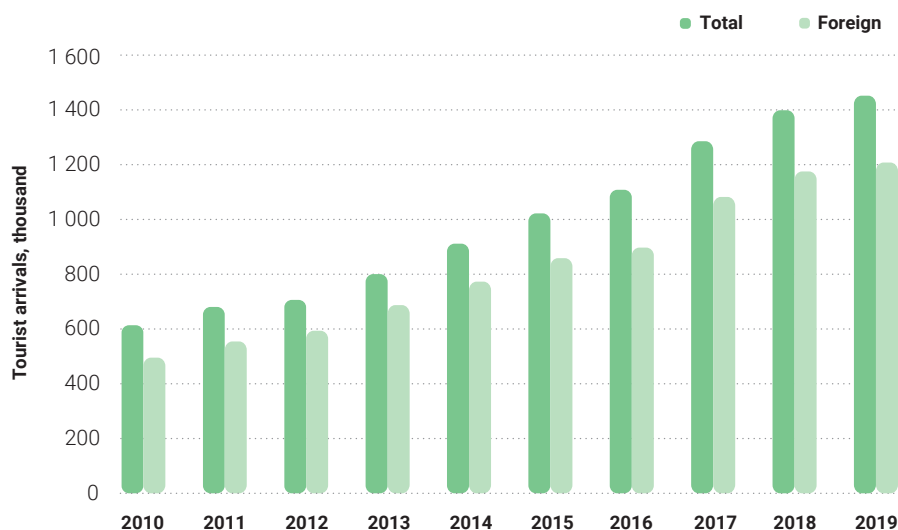
Status as of 31 August

	2018				2019			
	Facilities	Rooms	Apartments and camping sites	Beds – total ¹⁾	Facilities	Rooms	Apartments and camping sites	Beds – total ¹⁾
Total	335	6 841	2 003	20 721	348	8 296	2 174	23 974
Hotels and similar accommodation ²⁾	63	3 985	190	7 787	66	4 508	180	8 700
Hotels	57	3 498	111	6 632	60	4 095	119	7 733
Rooms for rent, apartments, studio apartments, holiday homes ³⁾	225	2 211	1 813	10 588	237	3 177	1 994	13 003
Hostels	47	645	-	2 346	45	611	-	2 271

¹⁾ Permanently available and extra beds.²⁾ Hotels, all-suite aparthotels, integral hotels, heritage hotels and special standard hotels.³⁾ Including rooms, apartments, studio apartments, holiday homes in which accommodation services were rendered by hotel and restaurant entrepreneurs (legal entity or natural person), households and private family farms, overnight accommodations, inns offering accommodation services, pupils and students dormitories.

Source: CBS

G 17.1 Tourist arrivals

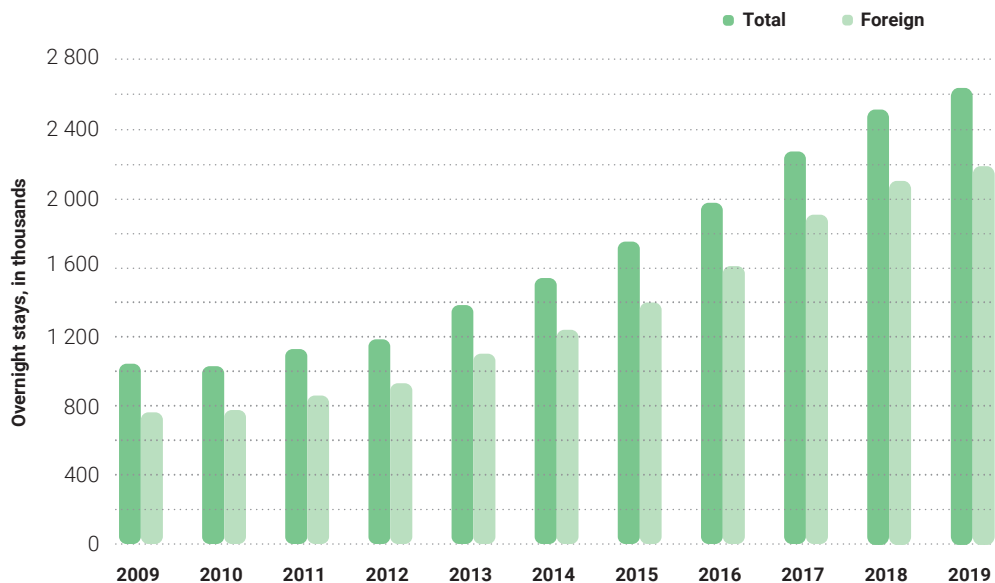


17.2 Hotels and similar accommodation for persons with reduced mobility and persons with disabilities¹⁾

	2015		2018	
	Total	Structure, %	Total	Structure, %
Total accommodation facilities	23	-	33	-
Total accommodation units	217	100.0	142	100.0
Rooms	206	94.9	133	93.7
Apartments	11	5.1	9	6.3

¹⁾ See Notes on Methodology.

Source: CBS; processing: COSPDC – Department of Statistical and Analytical Affairs

G 17.2 Number of realised tourist overnight stays**17.3 Tourist arrivals and overnight stays by type of tourist accommodation facilities**

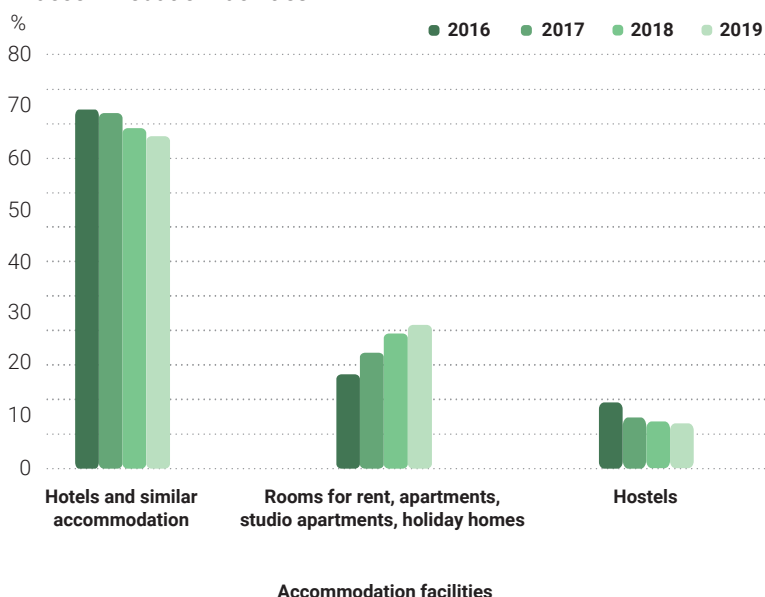
	2018				2019			
	Arrivals		Overnight stays		Arrivals		Overnight stays	
	Total	Foreign	Total	Foreign	Total	Foreign	Total	Foreign
Total	1 400 201	1 177 014	2 511 817	2 101 705	1 454 019	1 210 921	2 638 962	2 186 449
Hotels and similar accommodation ¹⁾	1 001 022	861 408	1 591 690	1 376 070	1 032 220	880 677	1 631 267	1 398 793
Hotels	875 108	747 970	1 376 963	1 180 445	937 001	796 421	1 469 519	1 254 207
Rooms for rent, apartments, studio apartments, holiday homes ²⁾	277 677	217 773	688 138	538 981	307 002	237 126	784 693	605 421
Hostels	121 502	97 833	231 989	186 654	114 797	93 118	223 002	182 235

¹⁾ Hotels, all-suite aparthotels, integral hotels, heritage hotels and special standard hotels.

²⁾ Including rooms, apartments, studio apartments, holiday homes in which accommodation services were rendered by hotel and restaurant entrepreneurs (legal entity or natural person), households and private family farms, overnight accommodations, inns offering accommodation services, pupils and students dormitories.

Source: CBS

G 17.3 Overnight stays of foreign tourists by type of tourist accommodation facilities



17.4 Tourist arrivals and overnight stays by country of residence

	2016		2017		2018		2019	
	Arrivals	Overnight stays	Arrivals	Overnight stays	Arrivals	Overnight stays	Arrivals	Overnight stays
Total	1 108 600	1 972 109	1 286 087	2 263 758	1 400 201	2 511 817	1 454 019	2 638 962
Domestic	210 584	373 497	203 865	362 605	223 187	410 112	243 098	452 513
Foreign	898 016	1 598 612	1 082 222	1 901 153	1 177 014	2 101 705	1 210 921	2 186 449
Austria	28 545	47 072	34 695	57 469	36 218	59 215	36 750	61 115
Belgium	12 098	22 531	14 148	26 910	16 022	30 005	14 681	29 360
Bosnia and Herzegovina	35 960	61 381	41 267	72 136	46 829	85 386	48 839	89 303
Bulgaria	31 334	42 297	31 972	43 350	30 905	44 205	30 103	42 863
Montenegro	5 138	10 462	5 480	11 470	5 808	12 592	6 090	13 195
Czech Republic	9 647	16 860	10 864	18 295	11 241	18 998	12 034	21 449
Denmark	5 781	11 476	6 116	12 776	7 526	16 826	6 912	14 914
France	26 964	51 715	28 040	54 696	30 130	60 048	33 138	66 153
Greece	10 245	16 381	11 770	19 167	11 936	20 474	12 372	21 863
Ireland	2 824	6 472	3 564	8 066	4 223	9 231	4 484	10 679
Italy	55 446	105 826	61 049	117 586	61 321	121 534	66 170	131 506
Hungary	13 264	23 577	17 165	30 622	20 002	33 290	20 205	33 229
Netherlands	17 629	34 031	20 560	39 532	22 678	42 732	22 863	44 644
Norway	3 321	7 642	4 489	10 694	5 462	13 725	4 541	10 002
Germany	55 676	103 270	65 882	121 932	68 501	132 968	73 174	140 171
Poland	19 545	33 052	24 476	37 981	24 336	39 231	27 358	41 837
Portugal	7 483	15 461	9 258	17 258	10 007	17 609	12 107	22 507

17.4 Tourist arrivals and overnight stays by country of residence

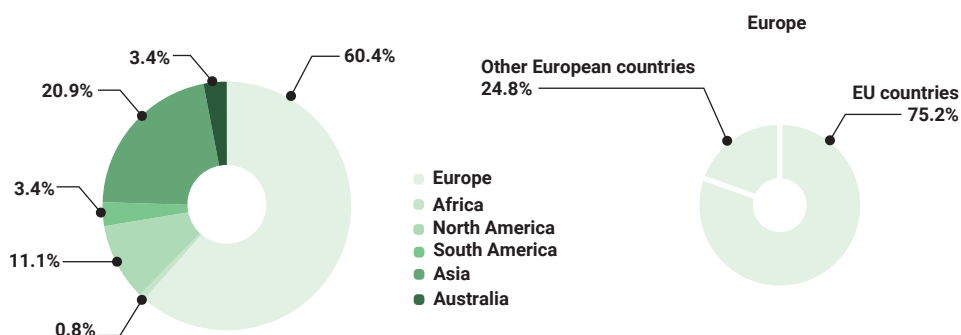
(Continued)

	2016		2017		2018		2019	
	Arrivals	Overnight stays	Arrivals	Overnight stays	Arrivals	Overnight stays	Arrivals	Overnight stays
Romania	12 192	25 199	14 302	27 524	18 257	33 763	17 892	34 164
Russia	9 956	22 247	11 479	23 667	11 301	23 474	12 480	27 253
Northern Macedonia ¹⁾	8 739	15 885	9 616	18 400	11 700	24 716	10 689	21 247
Slovakia	6 583	11 750	7 946	13 838	8 778	14 659	9 307	16 453
Slovenia	25 470	41 197	27 099	43 370	30 325	50 036	30 594	51 323
Serbia	28 871	54 782	30 042	57 412	33 811	65 236	38 075	71 963
Spain	31 477	56 545	35 513	66 527	41 202	74 932	41 358	78 802
Sweden	8 037	16 500	8 774	17 595	9 794	20 649	9 010	19 941
Switzerland	12 875	26 151	14 961	29 786	16 492	31 215	18 200	35 434
Turkey	9 999	21 234	10 898	19 955	10 427	18 273	10 316	18 349
United Kingdom	33 366	75 413	39 959	92 845	37 262	84 561	35 103	80 493
Ukraine	5 489	11 033	7 360	12 566	7 101	12 612	9 567	18 073
Other European countries	19 969	43 530	23 028	46 816	24 605	52 756	24 384	51 808
Australia	17 516	36 953	24 528	51 008	30 574	64 177	30 432	64 432
Israel	14 612	29 737	14 995	30 546	14 647	30 307	13 473	28 510
Japan	21 795	30 554	27 641	40 614	32 677	48 685	29 763	45 058
Canada	18 766	37 284	23 543	46 602	31 057	59 682	31 897	62 564
China	31 453	44 618	42 104	56 258	57 703	81 696	59 981	88 898
Republic of Korea	94 537	107 655	112 328	132 139	101 639	120 217	95 459	121 027
USA	53 541	113 086	68 151	143 943	79 723	171 372	82 494	178 619
Other non-European countries	91 873	167 753	137 160	229 802	154 794	260 618	168 626	277 248

¹⁾ Since 15 February 2019, the Republic of Croatia has used the name Republic of Northern Macedonia in all forms of official communication.

Source: CBS

G 17.4 Foreign tourist nights by continent of residence in 2019



17.5 Means of tourist arrivals

	2016		2017		2018		2019	
	Arrivals	Overnight stays	Arrivals	Overnight stays	Arrivals	Overnight stays	Arrivals	Overnight stays
Total	1 108 600	1 972 109	1 286 087	2 263 758	1 400 201	2 511 817	1 454 019	2 638 962
Individual	740 753	1 351 902	782 486	1 483 872	864 158	1 673 039	919 419	1 802 447
Domestic tourists	170 808	295 751	158 331	285 036	174 470	326 995	193 169	368 730
Foreign tourists	569 945	1 056 151	624 155	1 198 836	689 688	1 346 044	726 250	1 433 717
Organized	367 847	620 207	503 601	779 886	536 043	838 778	534 600	836 515
Domestic tourists	39 776	77 746	45 534	77 569	48 717	83 117	49 929	83 783
Foreign tourists	328 071	542 461	458 067	702 317	487 326	755 661	484 671	752 732

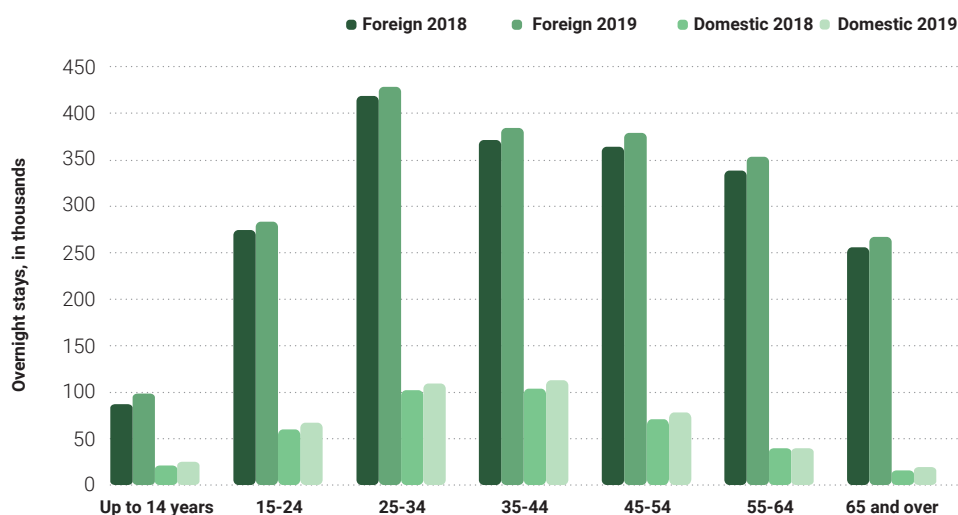
Source: CBS

17.6 Foreign tourist overnight stays by age groups

Age groups	2018			2019		
	Total	Foreign	Domestic	Total	Foreign	Domestic
Total	2 511 817	2 101 705	410 112	2 638 962	2 186 449	452 513
up to 14 years	109 297	87 567	21 730	123 553	98 010	25 543
15-24	331 759	272 502	59 257	350 298	282 467	67 831
25-34	518 655	417 255	101 400	536 881	427 477	109 404
35-44	472 986	369 608	103 378	496 681	383 137	113 544
45-54	432 660	362 608	70 052	454 397	377 283	77 114
55-64	375 914	337 419	38 495	392 943	352 659	40 284
65 and over	270 546	254 746	15 800	284 209	265 416	18 793

Source: CBS

G 17.5 Tourist overnight stays by age groups in 2018 and 2019



In public garages in 2019 there were 2 849 parking spots, which is an increase by 18% compared to 2015. The largest number was in Rebro public garage, which has 664 parking spots.

18

Utility services



Photo: M. Vrdoljak, ZTB

NOTES ON METHODOLOGY

Data source

Data from the area of utility services is gathered from business entities performing utility services (maintaining parks, cemeteries, markets and other).

Definitions and explanations

Utilities management is a comprehensive system of performing utility services, construction and maintenance of utility infrastructure and maintaining utility order in the areas of local self-government and regional self-government. Basic principles of utilities management and important questions for utilities management are stipulated in the Utility Act (OG, No. 26/03 - consolidated text, 147/14 i 36/15) and the Utility Act (OG, 68/18 i 110/18) in force since 4 August 2018.

The City Assembly of the City of Zagreb in accordance with state laws adopts decisions and ordinances on maintaining utility order and the manner of performing utility services in the City of Zagreb and publishes them in the Official Gazette of the City of Zagreb.

Utility services are services ensuring construction and/or maintenance of the utility infrastructure in functioning order (utility infrastructure maintenance) and utility services which provide individual users with the services necessary for everyday life and work in the area of the City of Zagreb (service utility activities). Utility services are performed as a public service and the services provided in performing these activities are of general interest.

Service utility activities are utility services that provide individual users with the services necessary for everyday life and work.

Public water supply is a system for supplying neighbourhoods with water, it includes strictly controlled sources of drinking water, accumulators, sedimentation tanks and other facilities for processing and treatment of drinking water and water supply network.

Public sewerage is a network of closed street canals and collectors that drain either waste and atmospheric water (general sewerage system) or waste water, and atmospheric water (sewerage separation system).

The main collector is a collecting channel that drains water from one part or the whole city to the recipient or treatment facility.

Street sewer drains are facilities that are connected to the street sewer, they are located on the streets, and are used to receive atmospheric water from the surface of streets, squares, etc.

High-pressure sodium lamps on streets and squares are gradually being replaced by lamps in LED technology, in accordance with the Light Pollution Act (OG 14/19) and the Action plan of the construction, reconstruction and management of the public lighting system of the City of Zagreb. Replacement of lamps is performed with the aim of protection against light pollution caused by light emissions into the environment from artificial light sources to which people, flora and fauna, air and water and other natural resources, night sky and observatories are exposed to, and savings in maintaining the functional lighting system.

A market is a sales facility, open or closed, specially arranged, equipped and organized business-sales space and/or buildings, with accompanying infrastructure in which, according to predetermined rules and with payment of sales premises, direct sale of agricultural products is performed as well as wholesale or retail activities.

Public pools (indoor and outdoor) are public pools which can be used by citizens, these do not include pools in health clubs, fitness centres, private clubs, relaxation pools (jacuzzi and spa) in hotels and massage parlors. Public pools are located within larger recreation centres or recreation facilities. These places often have more than one pool. However, they should be counted as one public pool.

Injured/seriously injured person is any person who died or was seriously injured, regardless of citizenship.

The Public Fire Department of the City of Zagreb manages firefighting interventions in the area of the City of Zagreb in which the Public Fire Department of the City of Zagreb and the Volunteer Fire Department of the City of Zagreb participate. The fire departments of the City of Zagreb are organized and operate on the basis of the Ordinance on the structure, equipment, training, manner of initiating

and operating intervention fire department and reimbursement of costs incurred by its operation (OG, No. 31/11.), which is a bylaw of the Fire Protection Act (OG, br. 139/04 - consolidated text, 174/04, 38/09, 80/10).

A cemetery is a place where the remains of the dead are laid, and it consists of an indoor space (burial area; part for farewells, accompanying part and performance space) and an outdoor space (traffic areas, parking and other services). Construction, use and management of cemeteries are regulated by the Cemeteries Act (OG 19/98, 50/12 and 89/17) and the Decision on cemeteries (OG of the City of Zagreb No. 24/17 and 24/19). The grave site is considered to be the grave, the tomb, the urn vault, the columbarian niche, the chapel, the mausoleum, the station in the pavilion, the arcade and in the Church of Christ the King in Mirogoj.

Mirogoj Cemetery was opened in 1876, the Crematorium in 1986, and burial in the Grove of Urns began in 1986. The Miroševac cemetery was opened in 1952, and in 1996 the Markovo polje cemetery was declared a city cemetery.

Burials are not performed in the cemeteries of the Old Catholic Cemetery, the Hospital Cemetery and the Old Cemetery of Sesvete.

City roads are public roads that connect the city centre, roads in the urban area that connect city districts with county roads and roads that connect neighbouring city districts with each other, and are classified as local roads in accordance with the Roads Act (OG, No. 84/11).

Unclassified roads are roads used for vehicle traffic and which everyone is free to use in the manner and under the conditions determined by the Roads Act and other regulations, which are not classified as public roads, especially those in cities with more than 35 000 inhabitants and cities that are county headquarters were classified as public roads, by the Decision on the Classification of Public Roads into State Roads, county roads and local roads (OG, No. 54/08, 122/08, 13/09, 104/09 i 17/10).

The parking spot is a part of the public parking area intended for parking one vehicle and is marked with appropriate traffic signals.

Public garage is a building intended for parking vehicles where the City of Zagreb has the right of ownership or use, which can be above ground or underground or a combination of the two.

A public parking area is an area intended for parking vehicles designed as an outdoor street parking lot, a separate parking lot or a garage.

Public parking with toll is arranged and properly marked street or separate area where parking fees are introduced and which is marked with appropriate traffic signals and information about the parking zone, parking prices depending on the time of parking and the manner of paying for parking.

The parking zone is a part of the public parking area where payment has been introduced in a certain part of the City.

Public garages and parking zones are regulated by the Ordinance on the use of public parking lots and public garages adopted by the City Assembly of the City of Zagreb upon the proposal of the Mayor.

Public areas for dogs are green areas intended for walking dogs without a leash, they are not for permanent purposes, but by the decision of the City District Council of the City of Zagreb they are allocated for the current purpose until the land is used.

Areas for dogs are green areas legally intended for walking dogs without a leash.

Dog parks consist of a fence that encloses the green area, entrances, benches for owners, an elaborate sewer system, shelter on sunny and hot days, water supply, accessories for management of dog waste and bins used for its disposal.

Other explanations

From this edition of the Statistical Yearbook of the City of Zagreb source for table 18.13. "Swimming pools" is the Institution for Sports Facilities Management, while in previous editions, in addition to the Institution for Sports Facilities Management, the source was Aquapark Adamovec.

18.1 Public water supply and sewerage network and district heating by settlements¹⁾

Status at the end of 2019

Settlements	Public water supply network	Public sewerage network	District heating	Settlements	Public water supply network	Public sewerage network	District heating
Adamovec	+	-	-	Jesenovec	+	-	-
Belovar	+	-	-	Ježdovec	+	+	-
Blaguša	+	-	-	Kašina	+	-	-
Botinec	+	+	-	Kašinska Sopnica	+	-	-
Brebernica	+	-	-	Kučilovina	+	-	-
Brezovica	+	+	-	Kučanec	+	+	-
Budenec	+	-	-	Kupinečki Kraljevec	+	-	-
Buzin	+	+	-	Lipnica	+	-	-
Cerje	+	-	-	Lučko	+	+	-
Demerje	+	+	-	Lužan	+	-	-
Desprim	+	+	-	Mala Mlaka	+	+	-
Dobrodol	+	+	-	Markovo Polje	+	+	-
Donji Čehi	+	+	-	Moravče	+	-	-
Donji Dragonožec	+	-	-	Odra	+	+	-
Donji Trpuci	+	-	-	Odranski Obrež	+	+	-
Drenčec	+	-	-	Paruževina	+	+	-
Drežnik Brezovički	+	+	-	Planina Donja	-	-	-
Dumovec	+	+	-	Planina Gornja	-	-	-
Đurđekovec	+	+	-	Popovec	+	+	-
Gajec	+	-	-	Prekvršje	+	+	-
Glavnica Donja	+	-	-	Prepuštovec	+	-	-
Glavnica Gornja	+	-	-	Sesvete	+	+	-
Glavničica	+	-	-	Soblinec	+	-	-
Goli Breg	+	+	-	Starjak	+	-	-
Goranec	+	-	-	Strmec	+	+	-
Gornji Čehi	+	+	-	Šašincec	+	+	-
Gornji Dragonožec	+	-	-	Šimunčevac	+	-	-
Gornji Trpuci	+	-	-	Veliko Polje	+	+	-
Grančari	+	+	-	Vuger Selo	+	+	-
Havičić Selo	+	-	-	Vugrovec Donji	+	+	-

18.1 Public water supply and sewerage network and district heating by settlements¹⁾

(Continued)

Status at the end of 2019

Settlements	Public water supply network	Public sewerage network	District heating	Settlements	Public water supply network	Public sewerage network	District heating
Horvati	+	-	-	Vugrovec Gornji	+	-	-
Hrašće Turopoljsko	+	+	-	Vurnovec	-	-	-
Hrvatski Leskovac	+	+	-	Zadvorsko	+	+	-
Hudi Bitek	+	+	-	Zagreb ²⁾	+	+	+
Ivanja Reka	+	+	-	Žerjavinec	+	-	-

¹⁾ The settlement or part of the settlement has (+) or does not have (-).²⁾ The town of Zagreb makes almost 90% of the population of the City of Zagreb.

Source: Water Supply and Drainage

18.2 Public water supply

	Length of pipeline, km	Tanks		Number of connections	Total quantity of water entering the system	Water loss in the water supply network	Quantity of distributed water			
		No.	Volume, thousands of m³				Total	To households	To economic operators	To other users
thousands of m³										
2015	2 554	32	122.4	83 948	109 992	56 034	53 958	38 987	13 818	1 153
2016	2 649	32	122.4	84 621	112 687	58 152	54 535	38 830	14 540	1 165
2017	2 700	32	122.6	85 496	115 821	60 486	55 335	38 672	15 417	1 246
2018	2 717	35	123.0	86 567	114 687	59 908	54 779	38 401	15 193	1 185
2019	2 728	35	123.0	88 324	111 888	57 205	54 683	38 590	14 930	1 163

Source: Water Supply and Drainage

18.3 Public sewerage

	Length of sewerage network, km			Number of sewer connections	Number of storm drains
	Total	Number of sewer mains	Sewerage network		
2015	2 074	223	1 851	71 420	55 300
2016	2 097	308	1 789	71 936	55 400
2017	2 115	308	1 807	72 852	55 400
2018	2 125	308	1 817	73 912	55 400*
2019	2 174	320	1 854	75 037	55 800

Source: Water Supply and Drainage

18.4 Electricity

	Length of power lines, km		Amount of produced electrical energy in GWh	Quantity of consumed electrical energy, MWh			Number of consumers
	Underground power line	Overhead power lines		Households	Economic operators	Street lights	
2015	5 095	3 578	747	958 838	1 719 175	81 294	424 239
2016	5 174	3 575	926	940 792	1 730 184	79 926	426 889
2017	5 220	3 581	1 838	942 219	1 740 790	72 125	428 983
2018	5 323	3 572	1 268	921 241	1 751 797	71 639	432 821
2019	5 402	3 564	1 478	922 057	1 736 702	72 233	446 250

Source: HEP – Distribution System Operator and HEP Generation

18.5 Number of street light locations in streets and on squares

	Number of lighting places				
	Fluorescent street lights	LED street lights	Sodium street lights	Floodlights with bulbs	
				Sodium floodlights	Floodlights
2015	365	483	128 750	935	14
2016	365	1 611	129 800	955	14
2017	365	2 460	130 150	970	14
2018	1 795	5 730	109 700	1 375	-
2019	2 150	8 665	108 850	1 320	-

Source: City Office for Physical Planning, Construction of the City, Utility Services and Transport

18.6 Thermal energy distribution to the city

	2015	2016	2017	2018	2019
Total quantity of distributed process steam, tons	331 648	325 789	317 856	312 918	302 938
Total quantity of distributed heat, MWh	1 266 274	1 279 831	1 261 953	1 191 437	1 167 318
Heating of dwellings by heating plants and boiler rooms in housing estates					
Number of dwellings	94 779	96 085	96 586	97 251	98 093
Dwellings area, m ²	5 199 459	5 252 223	5 277 668	5 338 340	5 394 490
Distributed heat, MWh	917 824	905 743	895 559	848 641	836 330

Source: HEP – District Heating

18.7 Distribution of gas and number of consumers¹⁾

	Gas distribution pipeline, km	Quantity of distributed gas, millions of kWh	Number of consumers of gas connected to the public gas pipeline	Number of street light locations
2015	2 996	3 402	259 820	239
2016	3 038	3 523	261 412	239
2017	3 087	3 502	263 176	239
2018	3 111	3 432	265 329	237
2019	3 144	3 317	268 194	246

¹⁾ From 2014, Consumption and consumers have been categorised in accordance with the Methodology for Determining the Tariff Items for the Distribution of Gas (Official Gazette No. 104/13).

Source: City Gasworks Zagreb - Supply

18.8 Gas consumption

Tariff model		Distribution of gas, millions of kWh		Number of consumers of gas connected to the public gas pipeline	
		2018	2019	2018	2019
Total		3 432	3 317	265 329	268 194
TM1	≤ 5 000 kWh	190	221	99 325	99 380
TM2	> 5 000 kWh ≤ 25 000 kWh	1 537	1 540	150 314	154 332
TM3	> 25 000 kWh ≤ 50 000 kWh	418	344	12 353	11 218
TM4	> 50 000 kWh ≤ 100 000 kWh	120	104	1 764	1 694
TM5	> 100 000 kWh ≤ 1 000 000 kWh	398	361	1 350	1 355
TM6	> 1 000 000 kWh ≤ 2 500 000 kWh	195	191	140	137
TM7	> 2 500 000 kWh ≤ 5 000 000 kWh	171	159	52	48
TM8	> 5 000 000 kWh ≤ 10 000 000 kWh	131	131	20	20
TM9	> 10 000 000 kWh ≤ 25 000 000 kWh	95	95	6	5
TM10	> 25 000 000 kWh ≤ 50 000 000 kWh	126	121	4	4
TM11	> 50 000 000 kWh ≤ 100 000 000 kWh	51	50	1	1
TM12	> 100 000 000 kWh	-	-	-	-

Source: City Gasworks Zagreb - Supply

18.9 Parks, other greenspace, gardens and public playgrounds

	Parks ¹⁾		Grassland ¹⁾	Botanical gardens		Zoological garden		Tree-lined roads ¹⁾	Public playgrounds ¹⁾
	Number	Surface area, thousands of m ²	Surface area, thousands of m ²	Number	Surface area, thousands of m ²	Number	Surface area, thousands of m ²	Length, km	Number
2015	45	592	10 462	2	72	1	70	220	644
2016	45	592	10 562	2	72	1	70	225	650
2017	45	592	10 742	2	71	1	70	235	710
2018	45	592	10 850	2	71	1	70	243	760
2019	47	601	11 127	2	68	1	70	243	768

¹⁾ Data refers to the areas maintained by Zagreb Holding, subsidiary Zrinjevac.

Source: ZH, subsidiary Zrinjevac, ; Botanical Garden of the Faculty of Pharmacy and Biochemistry; Zagreb Zoo

18.10 Parks in the area of the city¹⁾

Status at the end of 2019

Park name	Size, m ²	Park name	Size, m ²	Park name	Size, m ²
Total	601 181				
Newlyweds Park	69 313	I. G. Kovačić Street	12 600	Kapucinska-Pljevljanska Park	5 537
Vjekoslav Majer Park	45 593	N. Š. Zrinski Square	12 540	Moravče	4 861
Ribnjak	41 709	Prosinačkih žrtava Park ²⁾	12 166	Hercegovačka	3 953
Cerje	29 926	Marulić Square	12 135	Starčević Square	3 920
Krešimir Square	23 057	Roko's Gardens	10 878	Green Square	3 915
Stara Trešnjevka Park	22 100	Poljanice Park	10 000	Vukovar Avenue 235	3 785
Prisavlje - Boules Centre	21 347	Poginuli dragovoljci domovinskog rata Park ²⁾	9 500	Domagojeva 17-19	3 618
Kašina	20 626	Youth Park	9 459	Bosanska	3 500
Brezje Park	18 000	French Republic Square	9 006	Žerjavinec	3 473
Tomislav Square	17 755	Svačić Square	8 605	Moslavina Square	3 421
Park in front of Mirogoj Cemetery	16 131	Emil Cossett Park ³⁾	8 000	Joševski Park	3 272
Rab Park	16 024	Mažuranić Square	7 715	Trešnjevka Square	3 237
Vugrovec	15 646	Švarcova – Petrova – Rendićeva	7 557	Bartol Kašić Park	3 095
Maksimirska – Hondlova	14 499	Jurjevska	6 957	Dubravskih branitelja Park ³⁾	1 910
Strossmayer Square	14 102	Bistrička Street	6 234	Jagićeva	1 884
Dubec Park	13 000	Dragutin Domjanić Square	5 620		

¹⁾ Data refers to the areas maintained by Zagreb Holding, Zrinjevac Branch.²⁾ Change of park name.³⁾ New park.

Source: ZH, Zrinjevac Branch

18.11 City parks and other green public areas by city district, 2019

	Park size, m ²		Rubbish bins	Benches	Sand lots, m ²	Playground equipment
	Total	of which: grass area				
Total	12 335 304	11 126 631	4 978	12 797	4 547	4 151
The Lower Town	270 609	173 749	331	992	365	143
The Upper Town - Medveščak	303 069	264 801	127	550	136	71
Trnje	1 351 463	1 218 103	428	1 253	826	333
Maksimir	572 406	512 968	157	548	65	165
Peščenica-Žitnjak	1 288 661	1 133 091	590	1 152	54	363
Novi Zagreb-East	1 969 323	1 843 671	727	1 667	1 662	567
Novi Zagreb-West	1 386 406	1 295 010	352	908	419	365

18.11 City parks and other green public areas by city district, 2019

(Continued)

	Park size, m ²		Rubbish bins	Benches	Sand lots, m ²	Playground equipment
	Total	of which: grass area				
Trešnjevka-North	489 822	425 299	395	658	12	221
Trešnjevka-South	1 370 627	1 238 932	556	1 809	93	427
Črnomerec	209 706	187 997	121	326	-	107
Gornja Dubrava	870 986	804 911	268	744	111	257
Donja Dubrava	235 673	219 041	88	213	39	127
Stenjevec	837 962	743 544	349	886	366	302
Podsused-Vrapče	366 385	320 416	198	473	68	142
Podsljeme	18 733	15 615	22	69	6	57
Sesvete	726 832	668 930	210	426	325	360
Brezovica	66 641	60 553	59	123	-	144

Source: GUMS

18.12 Markets¹⁾

	2015	2016	2017	2018	2019
Number of markets	24	24	24	24	24
Surface area, m ²	140 449	140 449	140 449	140 449	140 339
Surface area, m ²	39 339	39 339	39 339	39 339	39 339
Number of benches (tables)	2 643	2 479	3 077	2 728	2 728
Surface area, m ²	7 035	6 701	6 299	5 488	5 488
Number of shops at markets	523	523	523	674	674

¹⁾ The data includes 22 small markets, fairground Sesvete and Green market.

Source: ZH - subsidiary Zagreb Markets

18.13 Swimming pools¹⁾

	2015	2016	2017	2018	2019
Number of pool facilities	4	6	7	7	7
Number of pools	12	16	19	20	20
Area of pools, m ²	6 596	9 066	10 041	10 221	10 221
Number of swimmers, in thousands	323	500	995	554	501

¹⁾ See Notes on Methodology.

Source: Institution for Sports Facilities Management

18.14 Firefighting interventions by firefighting departments of the City of Zagreb

	2015	2016	2017	2018	2019
Firefighting interventions – total	2 814	2 772	3 436	2 837	4 114
Interventions by the Public Fire Department	2 642	2 574	3 166	2 544	3 092
Centre	1 007	957	1 057	972	1 156
Žitnjak	346	343	436	336	369
Jankomir	371	373	441	337	450
Novi Zagreb	410	397	542	367	481
Dubrava	508	504	690	532	636
Interventions by Volunteer Fire Departments	172	198	270	293	1 022
Independent	119	134	142	198	879
With assistance from the Public Fire Department	53	64	128	95	143

Source: Zagreb Public Fire Department

18.15 Participation of firefighters by type of intervention

	2015	2016	2017	2018	2019
Firefighters – total	12 741	12 925	16 633	14 164	19 801
Number of firefighters in the Public Fire Department – total	11 789	11 770	14 094	12 390	14 840
Fires	6 462	6 754	7 775	6 567	7 427
Technical interventions	4 059	3 662	4 654	4 094	5 400
Other	1 268	1 354	1 665	1 729	2 013
Number of firefighters in the Volunteer Fire Departments – total	952	1 155	2 539	1 774	4 961
Independent	489	635	1 404	931	3 749
With assistance from the Public Fire Department	463	520	1 135	843	1 212

Source: Zagreb Public Fire Department

18.16 Cemeteries¹⁾

	Cemeteries					Burial plots	Mortuaries			Number of catafalques at the crematory	Churches	Chapels	Cemeteries supplied with water		Cemeteries with sewerage	
	Number	Area, ha					With refrigeration	Without refrigeration	Number of catafalques				Public water supply	Pumps	Connected to the public sewerage	Connected to a septic tank, open canal or river
		Total	Park area	Gravesite area	Roads, pathways											
2015	28	172.6	39.2	93.0	40.4	184 269	21	1	41	2	22	2	22	1	13	7
2016	28	172.7	38.9	93.3	40.5	184 887	21	1	41	2	22	2	22	1	13	7
2017	28	172.9	38.8	93.5	40.6	186 717	21	1	41	2	22	2	22	1	13	7
2018	28	173.0	38.5	93.8	40.7	187 829	21	1	41	2	22	2	22	1	13	7
2019	28	173.1	38.2	94.1	40.8	189 336	21	1	41	2	22	2	22	1	13	7

¹⁾ See Notes on Methodology.

Source: ZH - subsidiary City Cemeteries Zagreb

18.17 Cemeteries: Mirogoj, Miroševac, Markovo polje and Gaj urni Crematory

	Number of cemeteries	Surface area, ha	Number of graves	Number of people buried since the cemeteries were founded	Number of people cremated since the crematory was founded
2015	4	158.2	141 983	485 863	95 661
2016	4	158.2	142 996	490 332	100 789
2017	4	158.2	143 196	494 792	106 285
2018	4	158.2	144 281	499 232	112 089
2019	4	158.2	145 757	504 087	117 980

Source: ZH - subsidiary City Cemeteries Zagreb

18.18 Roads and the cost of regular maintenance by city district, 2019

	Roads, m	Size, m ²	Share of unclassified roads in the total network of city roads, %	Cost of regular maintenance, thousands HRK
Total	2 534 355	13 710 649	100.0	153 717
The Lower Town	43 518	374 842	2.7	3 445
The Upper Town - Medveščak	84 393	517 572	3.8	7 441
Trnje	89 136	611 497	4.5	6 520
Maksimir	123 987	705 687	5.1	8 278
Peščenica-Žitnjak	201 298	1 355 394	9.9	11 450
Novi Zagreb-East	112 137	786 534	5.7	6 657
Novi Zagreb-West	238 251	1 236 872	9.0	12 180
Trešnjevka-North	96 681	611 502	4.5	6 800
Trešnjevka-South	90 623	598 210	4.4	5 047
Črnomerec	115 592	622 561	4.6	6 730
Gornja Dubrava	213 342	1 060 287	7.7	13 322
Donja Dubrava	98 340	530 802	3.9	5 293
Stenjevec	92 888	577 005	4.2	7 579
Podsused-Vrapče	171 255	893 115	6.5	9 039
Podsljeme	135 870	608 937	4.4	8 217
Sesvete	414 353	1 792 279	13.1	19 364
Brezovica	212 692	827 552	6.0	16 355

Source: GUMS

18.19 Number of parking spaces in public garages

Public garage	2015	2016	2017	2018	2019
Total	2 407	2 612	2 612	2 849	2 849
Kvaternik Square	354	354	354	354	354
Gorica	370	370	370	370	370
Petrinjska	134	134	134	134	134
Lang Square	305	305	305	305	305
Svetice	115	115	115	115	115
Jelkovec 1 ¹⁾	-	205	205	205	205
Jelkovec 2 ²⁾	-	-	-	237	237
Tuškanac	465	465	465	465	465
Rebro	664	664	664	664	664

¹⁾ The public garage in Jelkovec 1 was opened 1 August 2016.²⁾ The public garage in Jelkovec 2 was opened 2 October 2018.

Source: ZH - Corporate Development Directorate

18.20. Number of parking places by parking zones¹⁾

Parking zones	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total	26 061	25 664	26 451	30 502	30 618	33 212	35 105	35 937	37 226
I. zone	6 195	6 262	6 276	7 540	7 649	7 656	7 683	7 668	7 977
I. 1. zone	-	-	-	-	213	213	213	213	213
I. 2. zone	-	-	-	-	-	-	225	225	225
II. zone	13 980	13 741	14 495	17 817	17 373	17 672	18 039	18 258	19 143
III. zone	4 436	4 211	4 230	2 620	2 626	4 531	5 719	5 847	5 942
IV. 1. zone	1 450	1 450	1 450	1 660	1 410	1 410	1 410	1 410	1 410
IV. 2. zone	-	-	-	865	1 347	1 730	1 816	2 316	2 316

¹⁾ See Methodology notes.

Source: ZH - Corporate Development Directorate

18.21. Public spaces for dogs

	Spaces for dogs			Dog parks		
	2017	2018	2019	2017	2018	2019
Total	63	63	63	9	10	10
The Lower Town	1	1	1	-	-	-
The Upper Town - Medveščak	4	4	4	-	-	-
Trnje	4	4	4	-	-	-
Maksimir	4	4	4	2	2	2
Peščenica-Žitnjak	3	3	3	2	2	2
Novi Zagreb-East	3	3	3	1	1	1
Novi Zagreb-West	4	4	4	1	1	1
Trešnjevka-North	5	5	5	1	1	1
Trešnjevka-South	6	6	6	-	-	-
Črnomerec	2	2	2	-	-	-
Gornja Dubrava	10	10	10	-	-	-
Donja Dubrava	4	4	4	-	-	-
Stenjevec	3	3	3	-	-	-
Podsused-Vrapče	6	6	6	2	3	3
Podsljeme	1	1	1	-	-	-
Sesvete	3	3	3	-	-	-
Brezovica	-	-	-	-	-	-

Source: City Office of Agriculture and Forestry; processing: COSPDC – Department of Statistical and Analytical Affairs

In 2019, a total of 173 146 thousands m³ of wastewater was produced, which is an increase of 6% compared to 2018 when 163 337 thousand m³ of wastewater was produced.

19

Protection of nature and environment



Photo: J. Duval, ZTB

NOTES ON METHODOLOGY

Data sources

Data on Protected natural areas of the City of Zagreb were obtained from the Ministry of Environmental Protection and Energy.

Data on air quality were obtained based on the annual survey conducted by the Institute for Medical Research and Occupational Health.

Data on traffic noise measurement were obtained from the City Office for Energy, Environmental Protection and Sustainable Development.

The data on supply, use and industry water discharges has been taken over from the Croatian Bureau of Statistics, which collects data via annual reports of business entities involved in mining, manufacturing and electricity and gas supply, which use water and pollute it.

The data on waste water and purified sewage (polluted) water has been collected from the business entity which manages public sewer and from the business entity which purifies discharged polluted water.

The source of data on waste is the Environmental Pollution Register to which waste holders, business entities / companies and natural persons / crafts, classified according to the 2007 National Classification of Activities (Official Gazette Nos 58/07 and 72/07), electronically submit data on the types and quantities of waste and on waste management. Environmental Pollution Register has been established, is managed and maintained by the Ministry of Environmental Protection and Energy. The obligation to keep data on waste has been prescribed by the Act on Sustainable Waste Management (Official Gazette Nos 94/13, 73/17, 14/19 and 98/19), Ordinance on Waste Management (Official Gazette Nos 23/14, 51/14, 121/15, 132/15 and 117/17 and 81/20) and Ordinance on the Environmental Pollution Register (Official Gazette No 87/15), and the waste classification by type has been set out by the Ordinance on Waste Catalogue (Official Gazette No. 90/15).

The total quantity of municipal waste includes the waste collected by the system of collection of municipal waste (waste from households, recycling centres, mobile recycling centres, public area containers), waste taken over from citizens at locations of waste purchase and service sector waste similar to municipal waste.

Definitions and explanations

Nature protection is carried out by protecting biodiversity, landscape diversity, geodiversity and protection of parts of nature.

Ecological network is a system of connected or spatially close ecologically important areas which, by a balanced biogeographic distribution significantly contribute to the protection of natural balance and biological diversity. Its parts are connected by natural or artificial ecological corridors.

Sediment and mass concentration mean – includes atmospheric precipitation, i.e. solid, liquid and gaseous substances that are deposited from air or brought by wind or rain. Chemical analysis of sediments encompasses data on total sediment, heavy metals, hydrocarbons, as well as anions and cations dissolved in sediment water.

Limit values indicate the level of pollution below which no harmful effects on human health are expected, but for which there is a risk for vulnerable groups in case of long-term exposure. Values are defined by the Regulation on the Levels of Air Pollutants (Official Gazette Nos 117/12 and 84/17).

The symbols and abbreviations used in tables 19.2. – 19.18 are presented below.

DC (%) – data coverage

N – number of results

C – mean 24-hour concentration for the relevant period

C_{50} – median or middle value, i.e. 50% of the results are above the median and 50% of the results are below it

C_M – the highest 24-hour concentration in the relevant period

C_m – the lowest 24-hour concentration in the relevant period

C_{95} – concentration of which 95% of the measured values are lower

C_{98} – concentration of which 98% of the measured values are lower

LV – limit values

TV – tolerance values

PM_{10} – coarse particles are those with a diameter of less than 10 micrometers (μm)

$PM_{2.5}$ – fine particles are those with a diameter of less than 2.5 micrometers (μm)

n.d. – below the detection limit

Measurement of noise levels of road traffic was carried out for the needs of drafting of the 2017 City of Zagreb Map of Strategic Noise, primarily at crossroads connecting main city corridors burdened by road traffic, which represent an important source of noise. Strategic maps of noise are periodically renewed on a five-year basis (Noise Protection Act, Official Gazette Nos 30/09, 55/13, 153/13, 41/16 and 114/18).

Area of noise	Purpose of space	Maximum permissible noise emission level LRAeq in dB (A)	
		During day (L_{day})	During night (L_{night})
1.	Area intended for rest, recovery and treatment	50	40
2.	Area intended only for housing and residence	55	40
3.	Area of combined purpose, predominantly for residential purpose	55	45
4.	Area of combined purpose, predominantly for residential and business purpose	65	50
5.	Area for business purpose (production, industry, warehouses, services)	<ul style="list-style-type: none"> At the building plot boundary within the area, noise must not exceed 80 dB (A). At this area's boundary, noise must not exceed permissible noise levels of the neighbouring area. 	

Waste is any substance or object belonging to categories of waste defined by the Act on Sustainable Waste Management (Official Gazette No. 94/13), which is discarded, is going to be discarded or has to be discarded by its owner.

Industrial waste is waste produced during manufacturing process in industry, crafts and other processes. Residues from the manufacturing process used in the manufacturing process of the same manufacturer are not considered industrial waste.

Hazardous waste is waste that has one or more of the hazardous properties listed in the Annex to Regulation (EU) No. 1357/2014 and Annex to the Regulation (EU) No. 2017/997

Non-hazardous waste is waste that does not possess any of the hazardous properties listed in the Annex to Commission Regulation (EU) no. 1357/2014 of 18 December 2014 replacing Annex III to Directive 2008/98/EC of the European Parliament and of the Council on waste and repealing certain Directives (OJ L 365, 19 12 2014) and the Annex to the Council Regulation (EU) 2017/997 of 8 June 2017 amending Annex III to Directive 2008/98/EC of the European Parliament and of the Council as regards the hazardous property HP 14 ('Ecotoxic') (OJ L 150, 14 6 2017).

Municipal waste is waste from households, as well as waste from manufacturing and/or service activities provided that its composition and properties are similar to waste from households.

Waste recovery is any operation resulting in the use of waste for useful purposes when the waste replaces other materials that should otherwise be used for that purpose or waste prepared to fulfill that purpose, in a factory or in a broader economic sense.

Recycling is the recovery operation, including re-processing of organic material, by which waste materials are processed into products, materials or substances for primary or other purposes, but excluding energy recovery, and the reprocessing into materials that are to be used as fuels or for land filling operations.

Recycling station is a supervised enclosed area intended for separate collection and temporary storage of smaller quantities of specific types of waste.

Mobile recycling station is a mobile technical unit that is not a building or part of a building, and that is used for separate collection and storage of smaller quantities of specific types of waste.

Location for purchase of waste is the area in which a person trading in waste purchases small quantities of waste, i.e. becomes the owner of the purchased waste.

19.1 Protected natural areas of the City of Zagreb

Name of the protected area	Category/ subcategory ¹⁾	Surface area, ha ²⁾	Year of declaration	Ecological network ³⁾
Nature park				
Medvednica ⁴⁾		8 438.12	1981	part
Nature reserves				
Forest vegetation				
Babji zub – Ponikve (part of Medvednica NP)		151.81	1963	part
Bliznec – Šumarev grob (Forester's grave) (part of Medvednica NP)		175.56	1963	part
Gračec – Lukovica – Rebar (part of Medvednica NP)		28.45	1963	part
Mikulić potok (Mikulić Stream) – Vrabečka gora (Vrabečka Hill) (part of Medvednica NP)		101.72	1963	part
Pušinjak – Gorščica (part of Medvednica NP)		192.29	1963	part
Rauchova lugarnica (Rauch's forester's cottage) – Desna Trnava (part of Medvednica NP)		103.84	1963	part
Tusti vrh – Kremenjak (part of Medvednica NP)		19.45	1963	part
Protected landscapes				
Goranec		477.38	1977	part
Savica		79.54	1991	part
Lipa na Medvednici		266.64	1975	part
Monument of park architecture				
geomorphological				
Veternica		-	1979	part
Monument of park architecture				
Botanical garden				
Botanical Garden of the Faculty of Pharmacy and Biochemistry		2.41	1969	
Botanical Garden of the Faculty of Science		4.77	1971	
park				
Mallinov Park		1.69	1960	
"Kralj Petar Krešimir IV" Park		2.43	2000	
"Kralj Petar Svačić" Park		0.63	2000	
Maksimir Park		356.21	1964	
Josip Juraj Strossmayer Park		1.43	1970	
"Kralj Tomislav" Park		2.16	1970	
Zrinjevac Park		2.03	1970	
Opatovina Park		0.85	2000	
Ribnjak Park		4.67	1970	
Park in Jurjevska Street 30		0.17	1970	
Park in Jurjevska Street 27		0.86	1948	

19.1 Protected natural areas of the City of Zagreb

(Continued)

Name of the protected area	Category/ subcategory ¹⁾	Surface area, ha ²⁾	Year of declaration	Ecological network ³⁾
Leustekov Park		0.47	1963	
Junković Castle Park		1.75	1971	
"Srpanjskih žrtava" Gardens		2.04	2000	
Garden of a Building in Gjuro Deželić Alley		0.01	1998	

Individual trees

Coast Redwood on Paunovac		-	1998	
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¹⁾ Nature Protection Act (Official Gazette Nos 80/13, 15/18, 14/19 and 127/19)

²⁾ Within the City of Zagreb

³⁾ Regulation on ecological network and responsibilities of public institutions for managing ecological network areas (OG, No. 80/19)

⁴⁾ Total area of the Nature Park Medvednica: 17 936 ha

Source: Ministry of Environmental Protection and Energy

19.2 Concentration of sulphur dioxide, carbon monoxide, and benzene in the air as measured by the Ksaverska Road station in 2019 – summary results¹⁾

	N	OP (%)	C	C ₅₀	C _m	C _M	C ₉₈
Sulphur dioxide, µg/m ³	365	100.0	1.00	0.80	0.10	11.30	3.60
Carbon monoxide, mg/m ³	365	100.0	0.31	0.26	0.12	1.34	0.86
Benzene, mg/m ³	345	94.5	0.98	0.67	0.11	5.52	3.74

¹⁾ See Notes on Methodology.

Source: Institute for Medical Research and Occupational Health

19.3 Concentration of nitrogen dioxide in the air in 2019 – summary results¹⁾

Measuring station	N	OP (%)	C	C ₅₀	C _m	C _M	C ₉₈
Đorđićeva Street	365	100.0	33	32	7	73	58
Ksaverska Road	365	100.0	18	16	1	59	43
Peščenica	365	100.0	23	21	4	53	46
"Barun Filipović" Alley	340	93.2	42	40	14	100	86
Siget	341	93.4	45	42	4	98	85
Susedgrad	346	94.8	42	39	13	93	83

¹⁾ See Notes on Methodology.

Source: Institute for Medical Research and Occupational Health

19.4 Concentration of ozone in the air in 2019 – summary results¹⁾

Measuring station	N	OP (%)	C	C ₅₀	C _m	C _M	C ₉₈
Đorđićeva Street	365	100.0	37	38	4	91	72
Ksaverska Road	364	99.7	53	53	1	176	109
Peščenica	360	98.6	49	49	4	126	95
"Barun Filipović" Alley	337	92.3	38	36	3	96	73
Siget	338	92.6	34	30	2	151	99

¹⁾ See Notes on Methodology.

Source: Institute for Medical Research and Occupational Health

19.5 Concentration of PM₁₀ fraction of floating particles in the air in 2019 – summary results¹⁾

Measuring station	N	OP (%)	C	C ₅₀	C _m	C _M	C _r	C ₉₈
Đorđićeva Street	346	94.8	26	22	5	91	44	61
Ksaverska Road	364	99.7	21	18	4	64	37	55
Peščenica	343	94.0	27	22	3	126	49	74
"Barun Filipović" Alley	365	100.0	25	21	3	105	43	64
Siget	347	95.1	30	24	6	145	59	94
Susedgrad	365	100.0	28	23	5	143	52	82

¹⁾ See Notes on Methodology.

Source: Institute for Medical Research and Occupational Health

19.6 Concentration of lead in PM₁₀ fraction of floating particles in the air in 2019 – summary results¹⁾

Measuring station	N	OP (%)	C	C ₅₀	C _m	C _M	C ₉₈
Đorđićeva Street	346	94.8	0.005	0.003	n.d.	0.044	0.015
Ksaverska Road	364	99.7	0.004	0.003	0.001	0.034	0.013
Siget	362	99.2	0.007	0.004	0.001	0.062	0.030
Susedgrad	365	100.0	0.009	0.005	0.001	0.091	0.053

¹⁾ See Notes on Methodology.

Source: Institute for Medical Research and Occupational Health

19.7 Concentration of cadmium in PM₁₀ fraction of floating particles in the air in 2019 – summary results¹⁾

Measuring station	N	OP (%)	C	C ₅₀	C _m	C _M	C ₉₈
Đorđićeva Street	346	94.8	0.138	0.107	0.015	0.640	0.404
Ksaverska Road	364	99.7	0.116	0.086	n.d.	0.765	0.437
Siget	362	99.2	0.185	0.137	0.020	1.047	0.616
Susedgrad	365	100.0	0.179	0.123	0.018	4.045	0.554

¹⁾ See Notes on Methodology.

Source: Institute for Medical Research and Occupational Health

19.8 Concentration of arsenic in PM₁₀ fraction of floating particles in the air in 2019 – summary results¹⁾

Measuring station	N	OP (%)	C	C ₅₀	C _m	C _M	C ₉₈
Đorđićeva Street	346	94.8	0.330	0.274	0.061	1.657	0.983
Ksaverska Road	364	99.7	0.278	0.222	0.050	1.811	0.770
Siget	362	99.2	0.355	0.307	0.053	1.408	1.041
Susedgrad	365	100.0	0.381	0.313	0.052	1.713	1.189

¹⁾ See Notes on Methodology.

Source: Institute for Medical Research and Occupational Health

19.9 Concentration of nickel in PM₁₀ fraction of floating particles in the air in 2019 – summary results¹⁾

Measuring station	N	OP (%)	C	C ₅₀	C _m	C _M	C ₉₈
Đorđićeva Street	346	94.8	0.410	0.000	n.d.	4.323	1.991
Ksaverska Road	364	99.7	0.197	0.000	n.d.	3.565	1.413
Siget	362	99.2	0.870	0.896	n.d.	4.488	2.183
Susedgrad	365	100.0	0.587	0.000	n.d.	8.636	3.104

¹⁾ See Notes on Methodology.

Source: Institute for Medical Research and Occupational Health

19.10 Concentration of benzo(a)pyrene in PM₁₀ fraction of floating particles in the air in 2019 – summary results¹⁾

Measuring station	N	OP (%)	C	C ₅₀	C _m	C _M	C ₉₈
Ksaverska Road	363	99.5	0.935	0.331	0.004	7.505	5.931
Siget	347	95.1	2.173	0.669	0.004	22.071	15.881

¹⁾ See Notes on Methodology.

Source: Institute for Medical Research and Occupational Health

19.11 Concentration of PM_{2.5} fraction of floating particles in the air in 2019 – summary results¹⁾

Measuring station	N	OP (%)	C	C ₅₀	C _m	C _M	C ₉₈
Ksaverska Road	365	100.0	16	13	2	60	43
Siget	350	95.9	22	15	2	128	73
Susedgrad	365	100.0	19	14	2	116	63

¹⁾ See Notes on Methodology.

Source: Institute for Medical Research and Occupational Health

19.12 Quantity of total suspended particulate matter in 2019 – summary results¹⁾

Measuring station	N	OP (%)	C	CM
Đorđićeva Street	12	100	53	103
Ksaverska Road	12	100	51	127
Peščenica	12	100	43	124
"Barun Filipović" Alley	12	100	53	130
Siget	12	100	62	117
Susedgrad	12	100	65	138

¹⁾ See Notes on Methodology.

Source: Institute for Medical Research and Occupational Health

19.13 Quantity of lead in the total suspended particulate matter in 2019 – summary results¹⁾µg/m³d

Measuring station	N	OP (%)	C	CM
Đorđićeva Street	12	100	2.59	4.97
Ksaverska Road	12	100	1.53	5.11
Peščenica	12	100	1.47	3.12
"Barun Filipović" Alley	12	100	2.06	4.17
Siget	12	100	1.56	3.35
Susedgrad	12	100	6.55	15.52

¹⁾ See Notes on Methodology.

Source: Institute for Medical Research and Occupational Health

19.14 Quantity of cadmium in the total suspended particulate matter in 2019 – summary results¹⁾µg/m³d

Measuring station	N	OP (%)	C	CM
Đorđićeva ulica	12	100	0.05	0.20
Ksaverska cesta	12	100	0.04	0.18
Peščenica	12	100	0.04	0.11
Prilaz baruna Filipovića	12	100	0.05	0.16
Siget	12	100	0.04	0.11
Susedgrad	12	100	0.09	0.32

¹⁾ See Notes on Methodology.

Source: Institute for Medical Research and Occupational Health

19.15 Quantity of thallium in the total suspended particulate matter in 2019 – summary results¹⁾µg/m³d

Measuring station	N	OP (%)	C	CM
Đorđićeva Street	12	100	0.013	0.034
Ksaverska Road	12	100	0.012	0.045
Peščenica	12	100	0.011	0.027
"Barun Filipović" Alley	12	100	0.013	0.044
Siget	12	100	0.012	0.030
Susedgrad	12	100	0.017	0.054

¹⁾ See Notes on Methodology.

Source: Institute for Medical Research and Occupational Health

19.16 Quantity of nickel in the total suspended particulate matter in 2019 – summary results¹⁾µg/m³d

Measuring station	N	OP (%)	C	CM
Đorđićeva Street	12	100	1.52	4.78
Ksaverska Road	12	100	0.79	2.08
Peščenica	12	100	0.84	1.46
"Barun Filipović" Alley	12	100	1.17	2.32
Siget	12	100	1.02	1.89
Susedgrad	12	100	2.52	5.37

¹⁾ See Notes on Methodology.

Source: Institute for Medical Research and Occupational Health

19.17 Quantity of arsenic in the total suspended particulate matter in 2019 – summary results¹⁾

Measuring station	N	OP (%)	C	µg/m ² d
				C _M
Đorđićeva Street	12	100	0.33	0.89
Ksaverska Road	12	100	0.26	1.11
Peščenica	12	100	0.27	0.73
"Barun Filipović" Alley	12	100	0.31	1.00
Šiget	12	100	0.26	0.68
Susedgrad	12	100	0.38	1.14

¹⁾ See Notes on Methodology.

Source: Institute for Medical Research and Occupational Health

19.18 Categorisation of areas near measuring stations in Zagreb in 2019¹⁾

Pollution	Pollution category	Measuring station					
		Đorđićeva Street	Ksaverska Road	Peščenica	"Barun Filipović" Alley	Šiget	Susedgrad
SO ₂	I. Category C > LV						
	II. Category C > GV						
NO ₂	I. Category C > GV	.	.	.			
	II. Category C > GV				.	.	.
O ₃	I. Category C > GV	.					
	II. Category C > GV		.	.			
CO	I. Category C > GV		.				
	II. Category C > GV						
Benzen	I. Category C > GV		.				
	II. Category C > GV						
PM ₁₀	I. Category C > GV	.	.	.	.
	II. Category C > GV					.	.
Pb in PM ₁₀	I. Category C > GV	.	.			.	.
	II. Category C > GV						
Cd in PM ₁₀	I. Category C > GV	.	.			.	.
	II. Category C > GV						
As in PM ₁₀	I. Category C > GV	.	.			.	.
	II. Category C > GV						
Ni in PM ₁₀	I. Category C > GV	.	.			.	.
	II. Category C > GV						
BaP PM ₁₀	I. Category C > GV		.				
	II. Category C > GV					.	
PM _{2.5}	I. Category C > GV		.			.	.
	II. Category C > GV						
Total suspended particle matter	I. Category C > GV	.	.	.	.	.	.
	II. Category C > GV						

19.18 Categorisation of areas near measuring stations in Zagreb in 2019¹⁾

(Continued)

Pollution	Pollution category	Measuring station					
		Đorđićeva Street	Ksaverska Road	Peščenica	"Barun Filipović" Alley	Siget	Susedgrad
Pb in total suspended particle matter	I. Category C > GV	.	.	.	.	.	.
	II. Category C > GV						
Cd in total suspended particle matter	I. Category C > GV	.	.	.	.	.	.
	II. Category C > GV						
Tl in total suspended particle matter	I. Category C > GV	.	.	.	.	.	.
	II. Category C > GV						
Ni in total suspended particle matter	I. Category C > GV	.	.	.	.	.	.
	II. Category C > GV						
As in total suspended particle matter	I. Category C > GV	.	.	.	.	.	.
	II. Category C > GV						

¹⁾ See Notes on Methodology.

Source: Institute for Medical Research and Occupational Health

19.19 Summary of noise level ratings by measuring points rated by noise strength over 24h¹⁾

Name of the measuring point	Day	Evening	Night	24h
	$L_{day, T=12h}$ /dB (A)	$L_{evening, T=4h}$ /dB (A)	$L_{night, T=8h}$ /dB (A)	L_{den} /dB (A)
Business facility environment Jadran Avenue 11	76.1	71.6	68.7	77.2
Business facility environment Knez Branimir Street	73.6	71.3	68.0	76.0
Business facility environment Zagreb Avenue 11	72.9	71.4	67.1	75.3
Business facility environment Dubrovnik Avenue 8	70.8	71.6	66.4	74.5
Business facility environment Šoltanska 21	71.8	70.6	66.4	74.5
Business facility environment Grad Vukovar Street 45	69.8	69.6	65.7	73.4
Crossing of V. Holjevac Avenue and SR Njemačka Street	69.8	68.7	63.8	72.2
Business facility environment Pračanska I 1B	67.0	67.6	64.3	71.6
Crossing of V. Holjevac Avenue and SR Njemačka Street (north-eastern part)	63.6	61.0	57.2	65.5

¹⁾ See Notes on Methodology.

Source: CO for Economy, Energetics and Environment protection

19.20 Sewage

Thousands of m³

	Total	Sewage			Sewage treatment level	
		From households	From economy	Other waste water	Primary treatment	Secondary treatment
2015	126 085	37 644	11 409	77 032	123 425	2 660
2016	127 788	37 582	13 006	77 200	124 081	3 707
2017	146 533	37 759	13 241	95 533	114 173	114 173
2018	163 337	37 374	13 131	112 832	127 932	127 932
2019	173 146	37 650	13 089	122 407	125 799	125 799

Source: Zagreb Holding, subsidiary Water Supply and Drainage, Zagreb Wastewater Ltd.

19.21 Registered hazardous industrial waste by NCA 2007 sections

Tonnes

	2016	2017	2018	2019
Total	12 318	10 696	11 139	12 004
A Agriculture, forestry, and fishing	2	1	1	1
B Mining and quarrying	70	2	1	2
C Manufacturing	3 324	3 208	3 776	3 837
D Electricity, gas, steam, and air conditioning supply	2 657	1 964	401	1 446
E Water supply; sewerage, waste management, and remediation activities	221	223	596	353
F Construction	198	320	334	130
G Wholesale and retail trade; repair of motor vehicles and motorcycles	2 343	1 905	2 178	2 421
H Transportation and storage	871	349	635	704
I Accommodation and food service activities	29	11	11	12
J Information and communication	96	240	143	201
K Financial and insurance activities	66	74	70	86
L Real estate activities	89	102	89	116
M Professional, scientific, and technical activities	79	60	89	79
N Administrative and support service activities	15	19	25	19
O Public administration and defence; compulsory social security	60	16	120	21
P Education	27	37	38	37
Q Health and social work activities	1 950	1 840	2 118	2 242
R Arts, entertainment, and recreation	36	21	16	25
S Other service activities	185	304	498	272

Source: Environmental Pollution Register (EPR), Croatian Agency for the Environment and Nature

19.22 Registered non-hazardous industrial waste by NCA 2007 sections

Tonnes				
	2016	2017	2018	2019
Total	444 468	433 909	453 805	579 689
A Agriculture, forestry, and fishing	88	187	290	330
B Mining and quarrying	-	-	-	-
C Manufacturing	40 845	44 188	46 274	47 041
D Electricity, gas, steam, and air conditioning supply	315	442	250	289
E Water supply; sewerage, waste management, and remediation activities	154 355	183 444	228 123	311 042
F Construction	142 910	101 034	66 208	153 376
G Wholesale and retail trade; repair of motor vehicles and motorcycles	25 359	21 921	20 961	26 132
H Transportation and storage	2 291	4 108	3 336	3 659
I Accommodation and food service activities	957	1 396	1 341	1 351
J Information and communication	2 715	2 814	1 140	996
K Financial and insurance activities	590	510	533	568
L Real estate activities	2 758	3 396	3 711	4 896
M Professional, scientific, and technical activities	51 415	50 211	50 566	176
N Administrative and support service activities	16 158	16 668	27 358	25 908
O Public administration and defence; compulsory social security	645	528	260	114
P Education	-	25	-	-
Q Health and social work activities	2 038	2 241	2 196	2 374
R Arts, entertainment, and recreation	410	236	262	445
S Other services	619	560	996	992

Source: Environmental Pollution Register (EPR), Croatian Agency for the Environment and Nature

19.23 Municipal waste

tona								
	Collected municipal waste			For disposal ¹⁾ on landfills	Handed over ¹⁾ directly for composting	Handed over ¹⁾ for recovery	Export	Temporarily stored waste as of 31 December
	Total	of which in recycling stations						
		Stationary	Mobile					
2015	279 338	-	-	215 380	11 925	46 270 ²⁾	6 884	11 498
2016	326 518	8 699	583	219 184	29 651	92 316	408	-
2017	359 803	10 443	1 704	217 381	27 500	104 533	5 061	-
2018	341 605	13 727	2 632	216 631	17 411	102 261	5 120	-
2019	329 975	13 138	6 079	200 924	16 635	127 289	1 393	-

¹⁾ See Notes on Methodology.

²⁾ Of which 3 445 tonnes of waste collected and temporarily stored in 2014.

Source: Environmental Pollution Register (EPR), Croatian Agency for the Environment and Nature

19.24 Waste disposed on landfills and recovered waste

Tonnes

	Total		Disposed on landfills ¹⁾		Recovered ¹⁾		Export ¹⁾	
	2018	2019	2018	2019	2018	2019	2018	2019
Mixed municipal waste	216 631	200 924	216 631	200 924	-	-	-	-
Construction waste and demolition waste	99 737	185 689	951	-	96 840	184 805	1 097	1 128
Biodegradable waste	18 540	26 491	-	-	17 411	26 487	-	-
Bulky waste	17 042	22 872	-	-	17 042	22 868	-	-

¹⁾ See Notes on Methodology.

Source: Environmental Pollution Register (EPR), Croatian Agency for the Environment and Nature

20

Education



Photo: S. Kaštelan, ZTB

NOTES ON METHODOLOGY

Data sources

Data on kindergartens and other legal entities implementing pre-school education programs are collected by virtue of annual reports at the beginning of each year of education. The reports are submitted by kindergartens and other legal entities implementing pre-school education programs.

Data on schools, pupils and teachers in primary and secondary schools are collected by virtue of annual reports at the beginning and end of each school year. The reports are submitted by primary and secondary schools.

Data on pupils with developmental disabilities in primary and secondary schools, as well as data on pupils in elementary art schools and data on adult education are collected by virtue of special forms at the end and beginning of school year.

Data on pupil and student dormitories were collected by virtue of annual reports concerning pupil and student dormitories, which are filed by pupil and student dormitories.

Data on higher education institutions are collected by means of questionnaires filled in by students during winter semester of the academic year. In addition, data on graduates with regard to the calendar year are collected, as well as data on teachers employed at higher education institutions as at 31 October of the current academic year.

Coverage and comparability

Data on the number of kindergartens and other legal entities implementing pre-school education programs include all kindergartens and legal entities that implement pre-school education programs.

Data on the number of primary and secondary schools cover all schools.

Data on higher education pertains to students studying at the departments of higher education institutions located in Zagreb, which are managed by the University of Zagreb.

All data pertaining to education can be compared to data from the previous years.

Data on pupil and student dormitories in the City of Zagreb are comparable to data from the previous years.

Definitions and explanations

Education system of the Republic of Croatia includes pre-school, elementary, secondary and higher education.

Pre-school education is provided in day-care centres which carry out the activity of pre-school education in their capacity as public institutions. Local branches are dislocated branches of day-care centres which include one or more groups, and are established by day-care centres according to needs. Day-care centres can be established by the Republic of Croatia and by local self-government units (**state day-care centres**), religious communities (**religious community day-care centres**) and other national legal entities and natural persons (**private day-care centres**).

Apart from day-care centres, pre-school education programmes are implemented by **other legal entities**, i.e. primary schools, health care / social institutions for children with developmental difficulties, in library playrooms, by sport/cultural facilities and in associations as shorter programmes.

Pre-school education in day-care centres is offered to children aged between six months and up to the beginning primary school education.

Primary and secondary education is organized as regular and special education that includes education of children and young people with developmental disabilities, adult education and elementary artistic education that prepares children for continuing their studies in secondary art schools.

School is a place where any group of pupils have classes of a certain type and level according to the appropriate curriculum, regardless of whether the group of pupils is under direct or indirect management of one management board or it has joint management with other school units of different types and levels of education. Each territorially separate unit (class divisions) of the same type is also considered a school, a school unit.

Primary education lasts eight years and it is compulsory for all children between the age of 6 and 15. At this level of education, the aim is to acquire general knowledge required for life or further education. It is provided based on a single curriculum.

Elementary art schools prepare children for continuing education in secondary schools for music and ballet, and pupils of these schools obtain parallel elementary education in regular elementary schools.

Secondary education lasts from 1 to 5 years, it is not compulsory and it gives the opportunity of acquiring knowledge and skills required to participate in the labour market or to continue education. It is organized as regular and special education.

Primary education of children and young people with developmental disabilities is provided in special educational institutions and primary schools, in special educational groups or classes, according to programs adjusted to children's special needs.

Primary and secondary education of adults provides education for adults who have not obtained primary (elementary) or secondary level of education at the appropriate age. It is provided in primary (elementary) or secondary schools or other competent institutions (public open schools) in form of classes or exams.

Education of young people with developmental disabilities is provided by applying individual approach in special classes or special education institutions. The number of secondary schools for young people with developmental disabilities is equal to the number of institutions for education of young people with developmental disabilities, increased by the number of secondary schools that have special classes for pupils with developmental disabilities.

Student is a person enrolled in a higher education institution. There are two types of students, i.e. regular (full-time) and part-time students. Full-time students take a full load of course work (full-time). Part-time students are those students who attend the education program while working or carrying out other activity, which thus results in classes being held in special time slots and studies being conducted in a special manner, but in accordance with the curriculum.

Master of Science (M.Sc.) is a person who has completed a Master's degree and wrote his/her Master's thesis.

Doctor of Science is a person who wrote his/her doctoral thesis.

Higher education is carried out through university and professional studies.

Higher education institution is an institution providing higher education, authorized for the organization and performance of studies, as well as scientific, high-tech or artistic work. Higher education institutions are universities, faculties, university departments and art academies in its composition, polytechnics and colleges. Higher education institutions can be public or private.

University studies provide students with skills required to perform jobs in the field of science and higher education, in the business world, public sector and in the society in general. It prepares them for development and application of scientific and professional achievements. University studies are organized and conducted at universities. University studies include undergraduate, graduate and postgraduate studies.

Professional studies are designed to offer students an appropriate level of knowledge and skills that enable performance of professional occupations. Professional studies also provide skills that enable direct engagement in the work process. The studies are conducted at colleges or polytechnics, or they can be conducted at universities.

Professional studies last two to three years, and they are considered completed upon passing all the exams. Study completion involves either a final exam or a final paper.

Polytechnics or colleges can organize specialist graduate professional studies lasting for one to two years for persons who have completed professional studies or undergraduate university studies.

Postgraduate university studies typically last three years. Upon fulfilling all the prescribed conditions and after public defence of doctoral thesis, a person obtains the academic degree of Doctor of Science (Ph.D.) or Doctor of Arts (Art.D.), with the indication of scientific or artistic field and branch in accordance with the Ordinance on Scientific and Artistic Areas, Fields and Branches (Official Gazette 118/09).

Dormitory is an institution that provides accommodation and food to pupils/students during their studies and that organizes educational work, cultural activities and provides food.

Regular pupils/full-time students are entitled to accommodation and food at a dormitory. The right is exercised based on student's accomplishments in the previous education and the financial status of the pupil/student and his/her parents, guardians or other.

If there is a vacant place, a dormitory can accommodate college students and attendees from other schools, seminars and courses, provided that it does not interfere with regular work and life in the dormitory.

20.1 Kindergartens and other legal entities that implement pre-school education programmes, children by age groups and employees

Start of the kindergarten year

	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020
Total	295	341	335	330	327
Day-care centres	281	309	308	305	304
Other legal entities ¹⁾	14	32	27	25	23
By founder					
State	-	-	-	238	230
Private	50	88	82	76	81
Religious communities	14	15	16	16	16
Children – total	39 549	43 684	40 573	39 953	39 690
By age					
Up to 3 years	9 675	10 104	9 868	9 735	10 333
From 3 to 5	15 684	16 408	15 269	14 873	14 183
From 5 to 7 and older than 7 years	14 190	17 172	15 436	15 345	15 174
Employees – total	6 065	6 653	6 774	6 772	6 829
Of which:					
Educators and teachers	3 656	4 039	4 120	4 086	4 159
Healthcare personnel	183	183	179	182	163
Other personnel	2 226	2 431	2 475	2 504	2 507

¹⁾ See Notes on Methodology.

Source: CBS

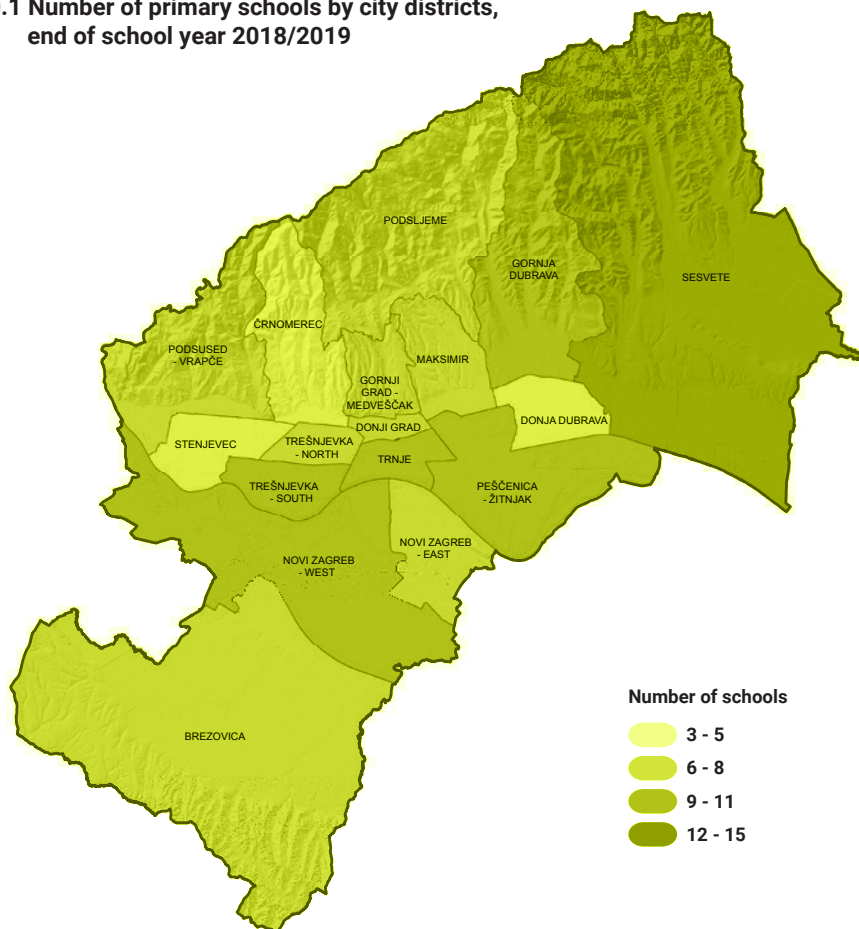
20.2 Day-care centres and other legal entities carrying out pre-school education programmes, beginning of 2019/2020 school year

	Total	Units of preschool education							
		in day-care centres				in other legal entities			
		Total	independent day-care centres	day-care centres with local departments	local departments	Total	in elementary schools	library playrooms	other institutions and associations
Total	327	304	38	80	186	23	4	2	17
State	230	222	1	59	162	8	3	2	3
Private	81	66	31	15	20	15	1	-	14
Religious communities	16	16	6	6	4	-	-	-	-

¹⁾ See Notes on Methodology.

Source: CBS

K 20.1 Number of primary schools by city districts, end of school year 2018/2019



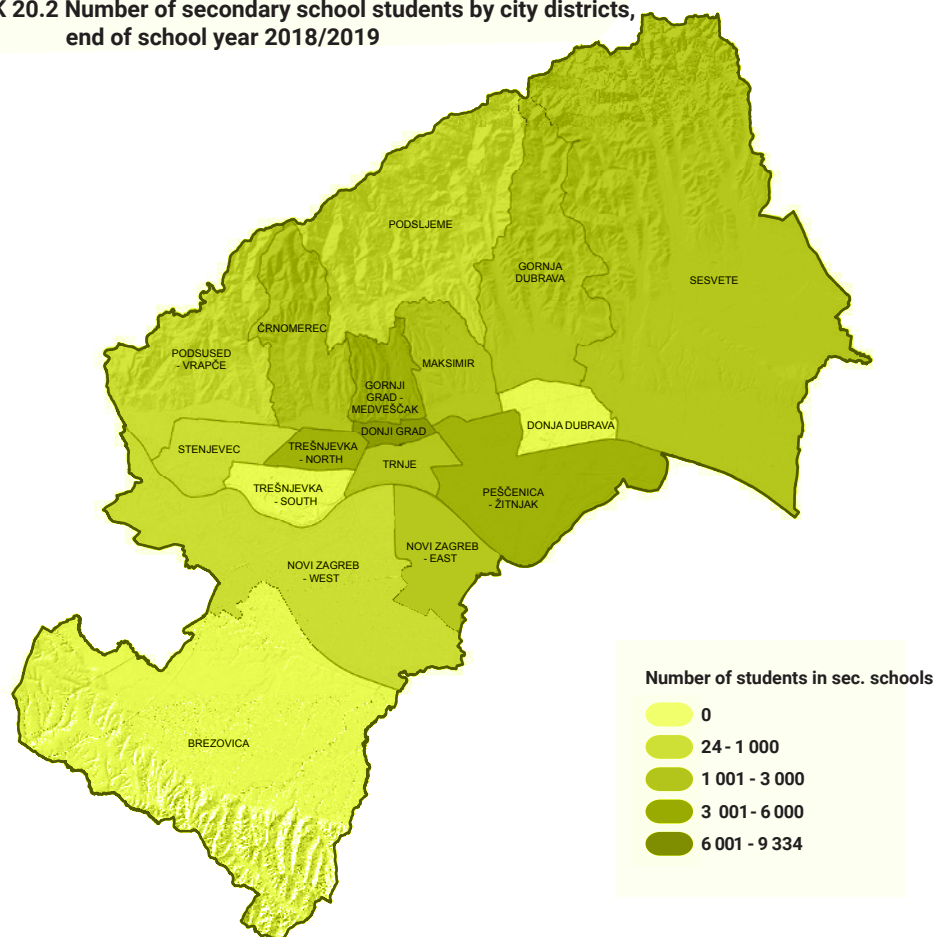
20.3 Children by the type of pre-school education programme and sex, beginning of 2019/2020 school year

	Children		Programme types of preschool education regular programmes					
			regular programmes		pre-school programme ¹⁾		reduced school programme	
	Total	Girls	Total	Girls	Total	Girls	Total	Girls
Total	39 690	19 312	35 853	17 271	1 308	633	2 529	1 408
State	33 071	15 891	31 351	15 026	1 231	607	489	258
Private	5 622	2 941	3 525	1 776	57	15	2 040	1 150
Religion communities	997	480	977	469	20	11	-	-

¹⁾ Data is related to the pre-school education programme carried out during 2018/2019 school year.

Source: CBS

K 20.2 Number of secondary school students by city districts, end of school year 2018/2019



20.4 Day-care centres and other legal entities shortened programmes, beginning of 2019/2020 school year

	Children taking part in shortened pre-school education programmes ¹⁾					
	Total	Music programmes	Dance programmes ²⁾	Foreign languages	Sport programmes	Other
Total	2 529	62	500	385	1 111	471
State	489	62	3	16	-	408
Private	2 040	-	497	369	1 111	63

¹⁾ Children taking part in several programmes are shown under every programme.

²⁾ Dance programmes include rhythmic, dance, ballet, folklore.

Source: CBS

20.5 Children by day-care education duration in hours and by sex, beginning of 2019/2020 pedagogic year

	Children		Day-care education duration		
			less than 5 hours	from 5 to 8 hours	8 hours and longer
	Total	Girls	Total	Total	Total
Total	39 690	19 312	4 172	2 130	33 388
State	33 071	15 891	2 186	1 854	29 031
Private	5 622	2 941	1 965	210	3 447
Religious communities	997	480	21	66	910

¹⁾ See Notes on Methodology.

Source: CBS

20.6 Primary education – regular schools

End of school year

	Schools	Students		Teachers
		Total	Female students	
2014/2015	130	55 793	27 178	4 847
2015/2016	131	56 356	27 495	5 010
2016/2017	131	57 766	28 350	5 099
2017/2018	131	58 960	28 805	5 255
2018/2019	132	59 946	29 355	5 469

Source: CBS; processing: COSPDC – Department of Statistical and Analytical Affairs

20.7 Secondary education – regular schools

End of school year

	Schools	Students		Teachers
		Total	Female students	
2014/2015	107	38 650	19 674	4 403
2015/2016	103	37 071	18 924	4 397
2016/2017	103	35 808	18 276	4 442
2017/2018	105	34 500	17 526	4 635
2018/2019	102	33 972	17 209	4 504

Source: CBS; processing: COSPDC – Department of Statistical and Analytical Affairs

20.8 Students who acquired academic degrees

Academic year

	Higher education institutions	Students			
		Total	University degree	Master's degrees	Doctors of Science
2015	58	17 806	16 799	335	672
2016	58	16 396	16 320*	337	427
2017	57	16 579	15 779	318	482
2018	55	17 006*	16 282	295*	429
2019	55	16 932	16 142	321	469

Source: CBS

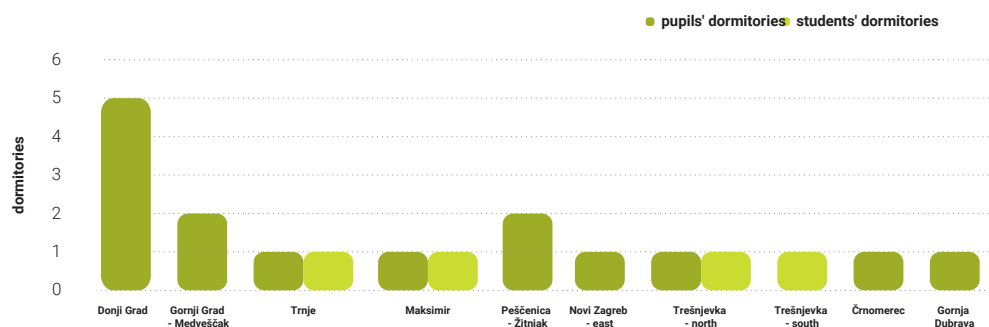
20.9 Student dormitories

School/academic year

	Accommodation for secondary school students			Accommodation for college students		
	Total	Students		Total	Students	
		Total	Female		Total	Female
2015	14	2 326	1 409	4	6 910	4 284
2016	15	2 432	1 480	4	7 458	4 602
2017	15	2 358	1 399	4	7 363	4 536
2018	15	2 352	1 420	4	7 392	4 579
2019	15	2 388	1 428	4	7 205	4 474

Source: CBS; processing: COSPDC – Department of Statistical and Analytical Affairs

G 20.1 Number of pupils' and students' dormitories by city districts, in 2018/2019 school/academic year



20.10 Primary education

End of school year

	Schools	Classes	Students		Teachers	
			Total	Female students	Total	Women
PRIMARY SCHOOLS – TOTAL						
2014/2015	143	2 700	56 359	27 355	5 107	4 373
2015/2016	144	2 735	56 911	27 668	5 276	4 526
2016/2017	144	2 789	58 297	28 507	5 320	4 576
2017/2018	144	2 839	59 480	28 958	5 507	4 731
2018/2019	145	2 892	60 461	29 511	5 733	4 934
Primary schools – regular						
2014/2015	130	2 614	55 793	27 178	4 847	4 160
2015/2016	131	2 649	56 356	27 495	5 010	4 305
2016/2017	131	2 701	57 766	28 350	5 099	4 388
2017/2018	131	2 753	58 960	28 805	5 255	4 517
2018/2019	132	2 802	59 946	29 355	5 469	4 708
Primary schools for children and young people with developmental difficulties						
2014/2015	13	86	566	177	260	213
2015/2016	13	86	555	173	266	221
2016/2017	13	88	531	157	221	188
2017/2018	13	86	520	153	252	214
2018/2019	13	90	515	156	264	226

20.10 Primary education

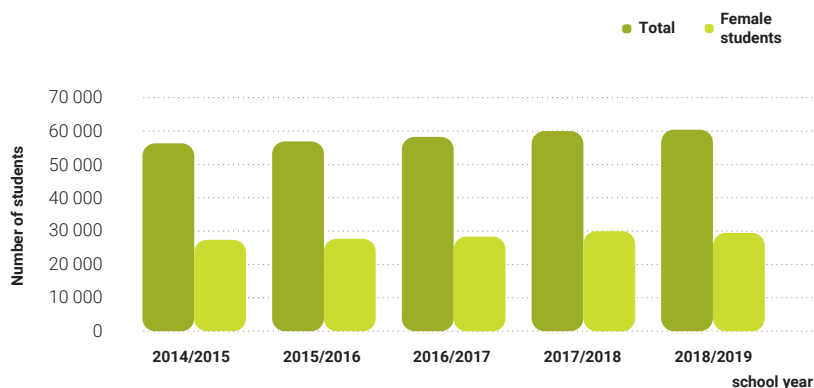
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End of school year

	Schools	Classes	Students		Teachers	
			Total	Female students	Total	Women
SPECIALISED PRIMARY EDUCATION						
Primary art schools						
2014/2015	21	-	4 242	2 698	577	375
2015/2016	23	-	4 165	2 680	572	383
2016/2017	23	-	4 382	2 716	572	388
2017/2018	23	-	4 380	2 762	594	406
2018/2019	22	-	4 291	2 718	628	422
Primary education for adults						
2014/2015	2	8	44	20	23	11
2015/2016	2	7	50	25	22	11
2016/2017	2	15	84	40	38	23
2017/2018	2	15	76	32	20	11
2018/2019	2	15	49	28	23	10

Source: CBS; processing: COSPDC – Department of Statistical and Analytical Affairs

G 20.2 Primary education by sex, end of school year



20.11 Secondary education

End of academic year

	Schools	Class Departments	Students		Teachers	
			Total	Female students	Total	Women
SECONDARY SCHOOLS – TOTAL						
2014/2015	112	1 570	39 243	19 956	4 510	3 169
2015/2016	108	1 564	37 652	19 196	4 510	3 172
2016/2017	108	1 552	36 350	18 516	4 553	3 210
2017/2018	110	1 628	35 009	17 744	4 753	3 375
2018/2019	107	1 630	34 421	17 392	4 619	3 257
Secondary schools – regular						
2014/2015	107	1 492	38 650	19 674	4 403	3 087
2015/2016	103	1 481	37 071	18 924	4 397	3 079
2016/2017	103	1 467	35 808	18 276	4 442	3 121
2017/2018	105	1 546	34 500	17 526	4 635	3 279
2018/2019	102	1 547	33 972	17 209	4 504	3 166

20.11 Secondary education

(Continued)

End of academic year

	Schools	Class Departments	Students		Teachers	
			Total	Female students	Total	Women
Grammar schools						
2014/2015	41	585	15 481	9 084	1 447	1 122
2015/2016	39	583	14 919	8 785	1 472	1 121
2016/2017	38	582	14 649	8 618	1 481	1 126
2017/2018	38	581	14 267	8 485	1 460	1 136
2018/2019	37	581	14 109	8 384	1 446	1 130
Technical and related schools						
2014/2015	37	669	16 959	7 811	1 804	1 251
2015/2016	36	659	16 117	7 443	1 796	1 242
2016/2017	36	656	15 480	7 105	1 840	1 272
2017/2018	36	653	14 831	6 677	1 894	1 316
2018/2019	36	653	14 571	6 525	1 853	1 274
Industrial and crafts schools						
2014/2015	15	210	4 588	1 633	627	363
2015/2016	15	213	4 506	1 620	600	358
2016/2017	15	204	4 156	1 466	589	364
2017/2018	16	202	3 980	1 334	671	402
2018/2019	15	200	3 844	1 240	619	369
Secondary art schools – total						
2014/2015	14	28	1 622	1 146	525	351
2015/2016	13	26	1 529	1 076	529	358
2016/2017	14	25	1 523	1 087	532	359
2017/2018	15	110	1 422	1 030	610	425
2018/2019	14	113	1 448	1 060	586	393
Music schools						
2014/2015	9	-	704	411	343	223
2015/2016	8	-	686	401	340	222
2016/2017	9	-	699	428	338	224
2017/2018	10	59	626	379	393	267
2018/2019	9	59	653	399	378	252
Dance schools						
2014/2015	3	-	176	158	76	53
2015/2016	3	-	161	148	77	54
2016/2017	3	-	183	167	80	53
2017/2018	3	26	171	154	102	73
2018/2019	3	28	164	154	92	64
Visual arts and design						
2014/2015	2	28	742	577	106	75
2015/2016	2	26	682	527	112	82
2016/2017	2	25	641	492	114	82
2017/2018	2	25	625	497	115	85
2018/2019	2	26	631	507	116	77
Secondary schools for young people with developmental disabilities						
2014/2015	5	78	593	282	107	82
2015/2016	5	83	581	272	113	93
2016/2017	5	85	542	240	111	89
2017/2018	5	82	509	218	118	96
2018/2019	5	83	449	183	115	91

20.11 Secondary education

(Continued)

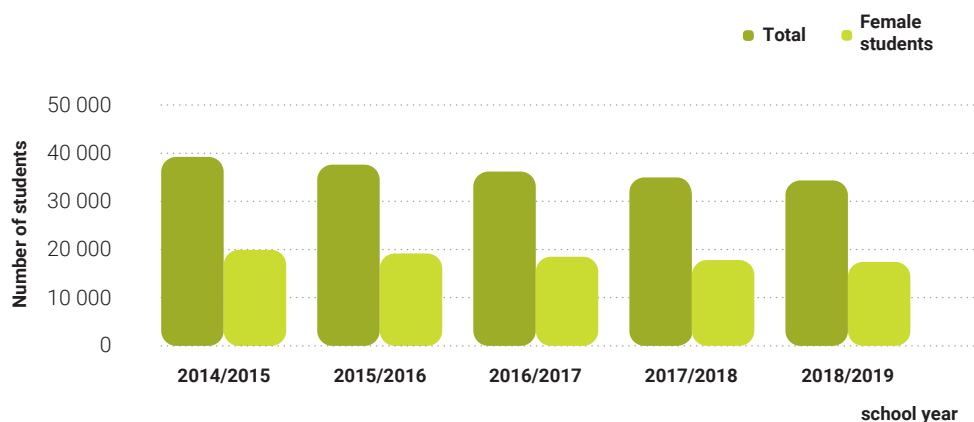
End of academic year

	Schools	Class Departments	Students		Teachers	
			Total	Female students	Total	Women
SECONDARY EDUCATION FOR ADULTS ¹⁾						
2014/2015	12	88	1 970	858	416	217
2015/2016	12	132	2 027	1 002	321	195
2016/2017	12	134	1 805	906	342	197
2017/2018	10	122	1 592	821	263	152
2018/2019	13	137	1 585	826	346	205

¹⁾ Regular secondary schools and other authorised institutions have been included.

Source: CBS; processing: COSPDC – Department of Statistical and Analytical Affairs

G 20.3 Secondary education by sex, end of school year



20.12 Students who completed education by type of school

End of school year

	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019
Regular schools					
Primary schools	6 928	6 538	6 417	6 680	6 903
Secondary schools	9 884	9 668	9 370	8 959	8 378
Grammar schools	4 002	3 872	3 753	3 641	3 469
Technical schools	4 195	4 143	3 983	3 632	3 556
Industrial and crafts schools	1 370	1 331	1 326	1 368	1 089
Art schools					
Music schools	108	120	100	100	106
Dance schools	31	24	38	41	34
Visual arts and design	178	178	170	177	124
Schools for children and young people with developmental difficulties					
Primary schools	82	75	58	65	67
Secondary schools	151	167	155	141	134

20.12 Students who completed education by type of school

(Continued)

End of school year

	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019
Adult education schools					
Primary schools	37	31	67	42	30
Secondary schools	636	725	502	567	466
Schools for specialised primary education					
Primary music and dance schools	570	592	603	577	574

Source: CBS; processing: COSPDC – Department of Statistical and Analytical Affairs

20.13 Students who completed grammar school

End of school year

	2014/2015		2015/2016		2016/2017		2017/2018		2018/2019	
	Total	Female	Total	Female	Total	Female	Total	Female	Total	Female
Total	4 002	2 333	3 872	2 320	3 753	2 166	3 641	2 140	3 469	2 073
Grammar school	2 482	1 579	2 267	1 408	2 193	1 344	2 104	1 327	1 951	1 201
Science and mathematics programme grammar school	747	293	717	331	660	253	625	257	622	307
Language grammar school	313	232	405	303	427	317	396	294	396	301
Classical grammar school	291	157	293	167	263	131	283	149	287	144
International Baccalaureate Diploma Programme (IBDP)	32	13	52	31	51	29	59	21	54	35
Art programme grammar school	18	10	17	12	24	14	25	17	22	17
Science programme grammar school	119	49	111	65	78	55	99	56	92	48
Vocational grammar school	-	-	10	3	57	23	50	19	45	20

Source: CBS; processing: COSPDC – Department of Statistical and Analytical Affairs

20.14 Students who completed technical and related secondary schools

End of school year

	2014/2015		2015/2016		2016/2017		2017/2018		2018/2019	
	Total	Female	Total	Female	Total	Female	Total	Female	Total	Female
Total	4 195	1 974	4 143	1 947	3 983	1 884	3 632	1 670	3 556	1 602
Engineering	286	28	278	18	208	14	212	7	224	8
Electrical engineering	887	47	963	54	913	31	835	28	817	40
Geology, mining, and oil	30	8	31	12	28	13	28	8	22	5
Economics and trade	943	593	780	504	840	548	743	482	687	417
Hospitality and tourism	265	179	244	151	251	141	203	147	201	117
Agriculture	85	29	83	52	76	54	76	48	72	51
Nutrition	75	65	128	105	108	93	89	72	79	62
Veterinary medicine	116	95	101	70	98	71	95	71	88	74
Forestry	51	13	56	18	55	16	45	13	47	12

20.14 Students who completed technical and related secondary schools

(Continued)

End of school year

	2014/2015		2015/2016		2016/2017		2017/2018		2018/2019	
	Total	Female	Total	Female	Total	Female	Total	Female	Total	Female
Wood processing	25	9	31	18	21	3	46	12	42	15
Construction and geodesy	183	53	199	80	205	66	193	73	197	79
Road traffic	95	12	88	20	92	28	77	21	77	22
Marine, river, and port traffic	25	6	24	10	20	7	25	6	24	11
Postal and telecommunications traffic	54	48	47	40	43	37	39	32	35	25
Railway traffic	64	14	84	22	62	22	70	17	65	13
Chemical technology	61	35	57	32	53	39	25	8	24	14
Graphics	144	78	115	63	137	84	122	53	139	77
Textile	31	31	40	39	25	23	40	35	54	53
Health care	695	585	706	588	673	557	592	494	602	473
Optics and glass processing	29	17	30	22	24	13	28	17	24	16
Inter-vocational programmes ¹⁾	51	29	58	29	51	24	49	26	36	18

¹⁾ Inter-vocational programmes: environmental technician, meteorological technician and agro-technical technician.

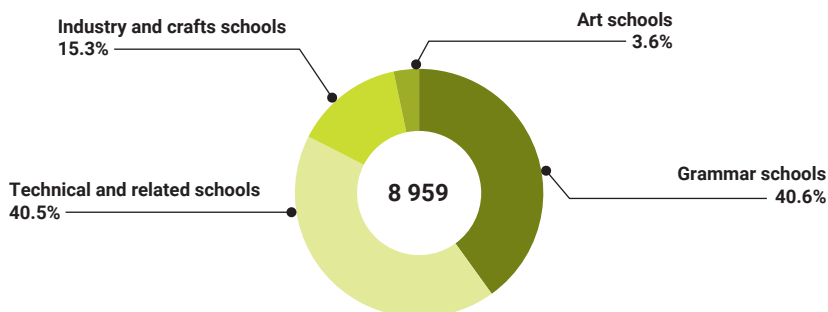
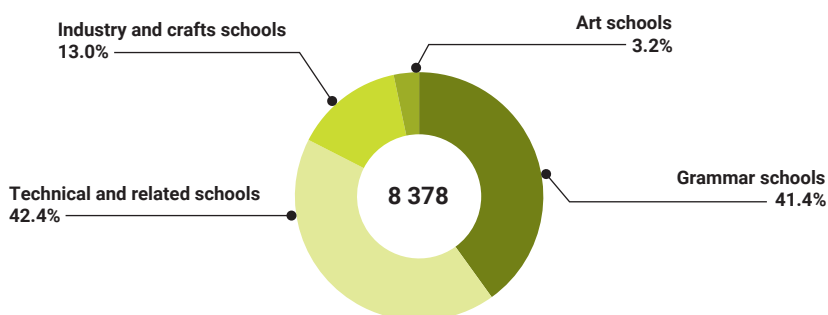
Source: CBS; processing: COSPDC – Department of Statistical and Analytical Affairs

20.15 Students who completed industrial and craft secondary schools

End of school year

	2014/2015		2015/2016		2016/2017		2017/2018		2018/2019	
	Total	Female	Total	Female	Total	Female	Total	Female	Total	Female
Total	1 370	527	1 331	510	1 326	495	1 368	486	1 089	365
Engineering	326	20	310	17	312	16	346	14	263	11
Electrical engineering	86	-	89	-	95	1	113	1	73	-
Economics and trade	66	42	138	102	128	85	110	76	98	57
Hospitality and tourism	175	61	161	63	172	75	160	75	135	46
Agriculture	52	32	48	28	43	32	43	33	28	20
Nutrition	66	42	44	15	41	28	25	4	31	5
Wood processing	52	13	50	-	38	-	48	1	37	1
Construction and geodesy	57	7	65	2	75	-	79	3	44	-
Road traffic	97	3	84	7	91	2	99	5	99	7
Railway traffic	19	5	17	5	23	7	23	14	16	4
Graphics	24	13	-	-	20	7	23	9	23	7
Textile	56	55	51	51	42	42	37	37	18	18
Leather processing	16	13	19	19	18	15	17	14	10	9
Personal services (beauticians)	191	190	185	179	172	167	173	171	164	158
Other services	76	25	65	20	49	14	60	25	43	21
Optics and glass processing	11	6	5	2	7	4	12	4	7	1

Source: CBS; processing: COSPDC – Department of Statistical and Analytical Affairs

G 20.4 Students who completed regular secondary school by type of school in 2017/2018**G 20.5 Students who completed regular secondary school by type of school in 2018/2019****20.16 Students enrolled in primary and secondary schools and higher education institutions by level of education**

	Start of school/academic year				
	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020
Pre-school education					
Kindergartens	295	341	335	330	327
Children	39 549	43 684	40 573	39 953	39 690
Educators and teachers	3 656	4 039	4 120	4 086	4 159
Primary education					
Schools	144	144	144	144	146
Students	57 108	58 447	59 756	60 563	61 231
Teachers	5 216	5 303	5 452	5 644	5 819
Secondary education					
Schools	110	107	108	109	107
Students	38 162	36 775	35 601	34 640	34 950
Teachers	4 547	4 565	4 630	4 791	4 666
Higher Education					
Colleges and faculties	58	58	57	55	55
Students	71 902	73 494	73 873	74 968	73 505
Teachers and associates in teaching ¹⁾	8 189	8 280	8 500	8 516	8 981

¹⁾ The data includes all teachers and associates who teach at higher education institutions.

20.17 Students enrolled in higher education institutions by name of institutions and sex

	Academic year					
	2017/2018		2018/2019		2019/2020	
	Total	Female students	Total	Female students	Total	Female students
Higher education institutions	73 873	42 255	74 968	43 071	73 505	42 277
Faculties	59 782	36 093	59 432	35 968	58 082	35 289
Professional studies	5 177	3 158	5 207	3 120	5 471	3 245
Faculty of Forestry ¹⁾	66	23	39	13	30	10
Faculty of Economics	1 599	1 080	1 692	1 124	2 092	1 376
Faculty of Law – Study Centre for Public Administration and Public Finances	1 509	1 282	1 357	1 158	1 246	1 058
Faculty of Kinesiology	1 066	290	1 130	292	1 115	290
Libertas International University	881	447	943	504	962	495
Catholic Faculty of Theology	56	36	46	29	26	16
University studies	54 605	32 935	54 225	32 848	52 611	32 044
Faculty of Science	4 205	2 524	4 045	2 375	3 852	2 266
Faculty of Architecture	990	633	994	652	988	653
Faculty of Civil Engineering	1 251	579	1 265	587	1 226	565
Faculty of Graphic Arts	568	301	581	325	592	343
Faculty of Geodesy	500	215	526	228	528	235
Faculty of Mechanical Engineering and Naval Architecture	2 237	384	2 304	452	2 345	493
Faculty of Transport and Traffic Sciences	2 010	439	1 755	401	1 556	379
Faculty of Electrical Engineering and Computing	3 348	683	3 417	758	3 465	783
Faculty of Mining, Geology and Petroleum Engineering	792	246	758	242	665	230
Faculty of Chemical Engineering and Technology	1 065	776	1 113	809	1 093	815
Faculty of Textile Technology	857	746	740	646	572	505
School of Medicine	2 370	1 467	2 373	1 480	2 347	1 484
School of Dental Medicine	645	514	634	505	630	495
Faculty of Pharmacy and Biochemistry	963	776	989	795	993	791
Faculty of Veterinary Medicine	882	683	934	738	961	754
Faculty of Food Technology and Biotechnology	1 073	922	1 100	946	1 095	942
Faculty of Agriculture	2 334	1 517	2 142	1 413	1 762	1 150
Faculty of Forestry	888	381	736	308	622	260
Faculty of Economics and Business	6 354	3 907	6 427	3 960	6 374	3 913
Faculty of Law	5 484	4 045	5 212	3 884	4 966	3 697
Faculty of Political Science	1 445	1 000	1 370	940	1 291	883
Faculty of Humanities and Social Sciences	6 511	4 865	6 428	4 782	6 105	4 565
Catholic University of Croatia	1 095	861	1 176	938	1 224	962
University Department of Croatian Studies	1 248	927	1 222	912	1 239	924
Faculty of Teacher Education	1 574	1 513	1 591	1 536	1 717	1 661
Faculty of Education and Rehabilitation Sciences	820	786	819	786	865	826

20.17 Students enrolled in higher education institutions by name of institutions and sex

(Continued)

Academic year

	2017/2018		2018/2019		2019/2020	
	Total	Female students	Total	Female students	Total	Female students
Faculty of Kinesiology	1 256	370	1 310	388	1 304	394
Catholic Faculty of Theology	511	225	462	194	407	157
Institute of Philosophy and Theology of the Society of Jesus	83	9	103	8	74	9
Faculty of Philosophy of the Society of Jesus ²⁾	251	179	231	157	168	122
University of Zagreb – Military Studies	354	94	493	126	484	137
Libertas International University	641	368	923	542	1 062	625
Matija Vlačić Ilirik Faculty of Theology (evangelic) ³⁾	-	-	52	35	39	26
Art Academies	1 260	716	1 266	729	1 291	756
Music Academy	534	278	538	282	542	285
Academy of Fine Arts	389	264	393	272	403	287
Academy of Dramatic Art	337	174	335	175	346	184
Polytechnics	8 417	3 685	9 834	4 633	10 042	4 638
Zagreb University of Applied Sciences	3 647	468	3 895	547	4 184	610
University of Applied Sciences VERN	1 671	829	1 468	710	1 396	700
University of Applied Health Sciences	3 099	2 388	4 077	3 144	4 070	3 098
Zagreb School of Business ⁴⁾	-	-	394	232	392	230
Post-secondary education institutions	4.414	1.761	4.436	1.741	4.090	1.594
College of Occupational Safety and Health	139	27	-	-	-	-
College for Information Technologies	392	42	543	61	468	58
Zagreb School of Economics and Management	569	255	766	367	619	309
Post-secondary Police School	501	147	514	172	454	145
Zagreb School of Business	410	245	-	-	-	-
Agora School of Market Communication ⁵⁾	37	21	-	-	-	-
RRiF College of Financial Management	158	114	147	108	146	109
University College of Economics, Entrepreneurship and Management Nikola Šubić Zrinski	232	109	245	118	255	118
Effectus – University College for Law and Finance	580	350	580	367	542	329
Faculty of Theology "Matija Vlačić-Ilirik" (evangelical)	64	43	-	-	-	-
Edward Bernays College of Communication Management	253	159	347	228	284	191
Algebra University College	946	173	1.161	247	1.310	332
University College of International Relations and Diplomacy Dag Hammarskjöld	133	76	133	73	12	3

¹⁾ Since 2016/2017, the study programme has been carried out in Zagreb.

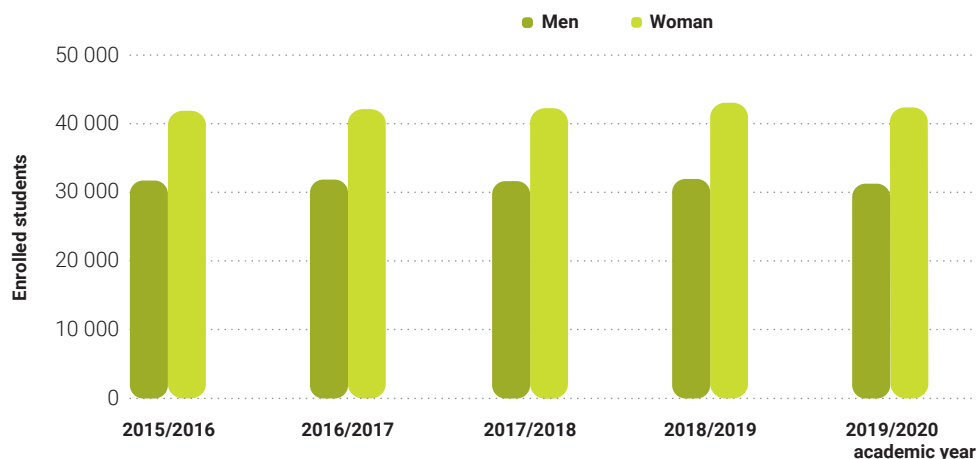
²⁾ In 2017/2018, the Faculty of Philosophy of the Society of Jesus changed its name.

³⁾ In the 2018/2019 academic year, the Matija Vlačić Ilirik Faculty of Theology is listed among faculties.

⁴⁾ Up to the 2017/2018 academic year, Zagreb Higher School of Business.

⁵⁾ Since the 2018/2019 academic year part of the Algebra University College.

Source: CBS

G 20.6 Students enrolled in higher education institutions by sex**20.18 Students enrolled in higher education institutions by years of study in 2019/2020**

Start of academic year

	Students		Regular		Students per study year					
	Total	Female	Total	Female	I	II	III	IV	V	VI
Higher education institutions	73 505	42 277	57 053	33 143	27 417	22 641	15 678	4 298	2 841	630
Faculties	58 082	35 289	48 897	29 532	21 846	17 775	11 240	3 943	2 648	630
Professional studies	5 471	3 245	2 278	1 450	2 166	1 617	1 688	-	-	-
Faculty of Forestry	30	10	30	10	13	12	5	-	-	-
Faculty of Economics	2 092	1 376	929	636	893	656	543	-	-	-
Faculty of Law – Study Centre for Public Administration and Public Finances	1 246	1 058	541	454	522	408	316	-	-	-
Faculty of Kinesiology	1 115	290	180	59	296	264	555	-	-	-
Libertas International University	962	495	590	286	442	277	243	-	-	-
Catholic Faculty of Theology	26	16	8	5	-	-	26	-	-	-
University studies	52 611	32 044	46 619	28 082	19 680	16 158	9 552	3 943	2 648	630
Faculty of Science	3 852	2 266	3 850	2 264	1 397	1 456	719	127	153	-
Faculty of Architecture	988	653	988	653	396	390	202	-	-	-
Faculty of Civil Engineering	1 226	565	1 226	565	588	459	179	-	-	-
Faculty of Graphic Arts	592	343	591	342	287	194	111	-	-	-
Faculty of Geodesy	528	235	528	235	220	204	104	-	-	-
Faculty of Mechanical Engineering and Naval Architecture	2 345	493	2 317	487	968	812	304	261	-	-

20.18 Students enrolled in higher education institutions by years of study in 2019/2020

(Continued)

Start of academic year

	Students		Regular		Students per study year					
	Total	Female	Total	Female	I	II	III	IV	V	VI
Faculty of Transport and Traffic Sciences	1 556	379	946	253	611	572	373	-	-	-
Faculty of Electrical Engineering and Computing	3 465	783	3 465	783	1 612	1 214	639	-	-	-
Faculty of Mining, Geology and Petroleum Engineering	665	230	665	230	269	289	107	-	-	-
Faculty of Chemical Engineering and Technology	1 093	815	1 093	815	548	417	128	-	-	-
Faculty of Textile Technology	572	505	572	505	167	255	150	-	-	-
School of Medicine	2 347	1 484	2 288	1 432	487	449	394	348	347	322
School of Dental Medicine	630	495	630	495	129	110	93	95	96	107
Faculty of Pharmacy and Biochemistry	993	791	993	791	223	186	149	201	234	-
Faculty of Veterinary Medicine	961	754	961	754	204	161	166	139	90	201
Faculty of Food Technology and Biotechnology	1 095	942	1 078	927	406	436	253	-	-	-
Faculty of Agriculture	1 762	1 150	1 762	1 150	871	673	218	-	-	-
Faculty of Forestry	622	260	622	260	273	231	118	-	-	-
Faculty of Economics	6 374	3 913	4 569	2 860	3 080	844	827	950	673	-
Faculty of Law	4 966	3 697	2 820	2 078	1 642	739	1 108	1 033	444	-
Faculty of Political Science	1 291	883	1 284	878	564	395	200	132	-	-
Faculty of Humanities and Social Sciences	6 105	4 565	5 943	4 421	1 759	2 690	1 464	176	16	-
Catholic University of Croatia	1 224	962	981	746	446	510	268	-	-	-
University Department of Croatian Studies	1 239	924	1 239	924	535	485	219	-	-	-
Faculty of Teacher Education	1 717	1 661	1 282	1 231	473	637	235	157	215	-
Faculty of Education and Rehabilitation	865	826	815	778	349	355	161	-	-	-
Faculty of Kinesiology	1 304	394	1 304	394	348	260	223	177	296	-
Catholic Faculty of Theology	407	157	407	157	103	95	97	41	71	-
Institute of Philosophy and Theology of the Society of Jesus	74	9	74	9	12	13	11	25	13	-
Faculty of Philosophy of the Society of Jesus	168	122	154	116	45	71	52	-	-	-

20.18 Students enrolled in higher education institutions by years of study in 2019/2020

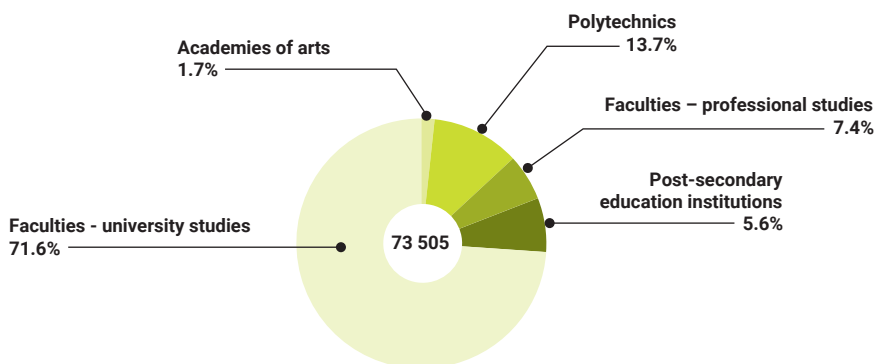
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Start of academic year

	Students		Regular		Students per study year					
	Total	Female	Total	Female	I	II	III	IV	V	VI
University of Zagreb – Military Studies	484	137	484	137	186	104	113	81	-	-
Libertas International University	1 062	625	662	394	468	435	159	-	-	-
Matija Vlačić Ilirik Faculty of Theology (evangelical)	39	26	26	18	14	17	8	-	-	-
Art Academies	1 291	756	1 289	755	357	373	223	145	193	-
Music Academy	542	285	542	285	88	93	85	97	179	-
Academy of Fine Arts	403	287	401	286	145	123	73	48	14	-
Academy of Dramatic Art	346	184	346	184	124	157	65	-	-	-
Polytechnics	10 042	4 638	4 763	1 999	3 794	3 099	3 081	68	-	-
Zagreb University of Applied Sciences	4 184	610	2 380	368	1 794	1 401	989	-	-	-
University of Applied Sciences VERN	1 396	700	1 051	548	479	483	366	68	-	-
University of Applied Health Sciences	4 070	3 098	1 208	1 007	1 357	1 086	1 627	-	-	-
Zagreb School of Business	392	230	124	76	164	129	99	-	-	-
Post-secondary education institutions	4 090	1 594	2 104	857	1 420	1 394	1 134	142	-	-
College for Information Technologies	468	58	134	15	107	141	220	-	-	-
Zagreb School of Economics and Management	619	309	594	295	200	131	146	142	-	-
Post-secondary Police School	454	145	167	63	156	199	99	-	-	-
RRiF College of Financial Management	146	109	35	23	41	60	45	-	-	-
University College of Economics, Entrepreneurship and Management Nikola Šubić Zrinski	255	118	60	27	75	90	90	-	-	-
Effectus – University College for Law and Finance	542	329	165	95	142	190	210	-	-	-
Edward Bernays College of Communication Management	284	191	180	128	121	107	56	-	-	-
Algebra University College	1 310	332	762	209	578	464	268	-	-	-
University College of International Relations and Diplomacy Dag Hammarskjöld	12	3	7	2	-	12	-	-	-	-

Source: CBS

G 20.7 Students enrolled in the academic year 2019/2020 by type of higher education



20.19 Graduates by name of higher education institution and sex

	2017		2018		2019	
	Total	Female students	Total	Female students	Total	Female students
Higher education institutions	15 779	9 406	16 282	9 841	16 142	9 612
Faculties	12 254	7 685	12 699	8 003	12 459	7 776
Professional studies	989	598	794	582	1 036	644
Faculty of Forestry ¹⁾	7	3	3	-	2	-
Faculty of Economics	299	221	288	218	327	231
Faculty of Law – Study Centre for Public Administration and Public Finances	166	140	177	151	159	136
Faculty of Kinesiology	182	38	120	32	161	48
Libertas International University	296	164	175	160	354	201
Catholic Faculty of Theology	11	6	13	7	15	12
Faculty of Teacher Education	11	11	7	7	2	2
Faculty of Textile Technology	17	15	11	7	16	14
University studies	11 265	7 087	11 905	7 421	11 423	7 132
Faculty of Science	892	592	1 021	668	944	583
Faculty of Architecture	246	162	266	167	247	166
Faculty of Civil Engineering	304	132	316	143	308	151
Faculty of Graphic Arts	163	107	157	85	167	98
Faculty of Geodesy	149	64	129	63	149	73
Faculty of Mechanical Engineering and Naval Architecture	397	59	420	59	476	76
Faculty of Transport and Traffic Sciences	377	102	364	97	307	78
Faculty of Electrical Engineering and Computing	978	194	929	157	1 011	219

20.19 Graduates by name of higher education institution and sex

(Continued)

	2017		2018		2019	
	Total	Female students	Total	Female students	Total	Female students
Faculty of Mining, Geology and Petroleum Engineering	193	58	209	66	180	53
Faculty of Chemical Engineering and Technology	243	176	255	194	252	181
Faculty of Textile Technology	282	259	197	174	208	180
School of Medicine	291	187	389	249	393	256
School of Dental Medicine	101	77	112	90	91	75
Faculty of Pharmacy and Biochemistry	81	66	138	107	130	104
Faculty of Veterinary Medicine	83	58	92	72	86	68
Faculty of Food Technology and Biotechnology	265	236	264	225	282	241
Faculty of Agriculture	610	410	624	411	702	488
Faculty of Forestry	216	89	203	80	200	86
Faculty of Economics	1 488	1 006	1 626	1 055	853	571
Faculty of Law	568	473	537	442	497	394
Faculty of Political Science	447	330	421	300	399	277
Faculty of Humanities and Social Sciences	1 177	878	1 208	943	1 277	977
Catholic University of Croatia	153	123	277	226	320	274
University Department of Croatian Studies	370	278	344	270	361	283
Faculty of Teacher Education	494	475	569	548	608	590
Faculty of Education and Rehabilitation	267	255	271	261	281	268
Faculty of Kinesiology	128	56	116	34	126	40
Catholic Faculty of Theology	117	66	112	64	105	58
Faculty of Philosophy of the Society of Jesus	15	4	26	4	30	9
Catholic Faculty of Theology – Institute for Theological Culture ²⁾	63	52	63	52	64	40
University of Zagreb - Military study programmes	-	-	94	21	141	33
Libertas International University	107	63	141	85	217	135
Matija Vlačić Ilirik Faculty of Theology (evangelical) ³⁾	-	-	15	9	11	7
Art Academies	316	192	299	190	307	177
Music Academy	89	55	93	51	91	47
Academy of Fine Arts	136	95	112	83	117	80
Academy of Dramatic Art	91	42	94	56	99	50

20.19 Graduates by name of higher education institution and sex

(Continued)

	2017		2018		2019	
	Total	Female students	Total	Female students	Total	Female students
Polytechnics	1 927	1 010	2 198	1 174	2 191	1 175
Zagreb University of Applied Sciences	671	85	712	111	711	100
University of Applied Sciences VERN	368	199	407	222	413	234
University of Applied Health Sciences	888	726	964	771	919	738
Zagreb School of Business ³⁾	-	-	115	70	148	103
Post-secondary education institutions	1 282	519	1 086	474	1 185	484
College of Occupational Safety and Health	298	62	220	64	221	49
College for Information Technologies	51	7	26	-	61	4
Zagreb School of Economics and Management	278	133	207	98	246	118
Post-secondary Police School	176	46	221	84	184	46
Zagreb School of Business	115	66	-	-	-	-
Agora School of Market Communication	22	7	17	12	-	-
RRIF College of Financial Management	26	21	37	28	40	33
University College of Economics, Entrepreneurship and Management Nikola Šubić Zrinski	47	27	72	38	58	32
Effectus – University College for Law and Finance	102	67	121	81	177	120
Faculty of Theology "Matija Vlačić-Ilirik" (evangelical) ⁴⁾	9	5	-	-	-	-
Edward Bernays College of Communication Management	44	36	40	32	51	38
Algebra University College	60	2	80	10	112	30
University College of International Relations and Diplomacy Dag Hammarskjöld	54	40	45	27	35	14

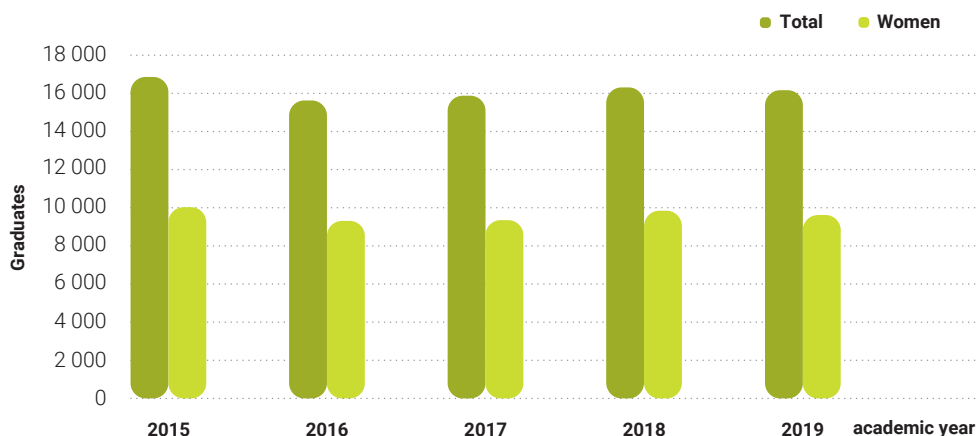
¹⁾ Since 2016/2017, the study programme has been carried out in Zagreb.

²⁾ In 2017/2018, the Faculty of Philosophy of the Society of Jesus changed its name.

³⁾ Up to the 2017/2018 academic year, Zagreb Higher School of Business.

⁴⁾ In the 2018/2019 academic year, the Matija Vlačić Ilirik Faculty of Theology is listed among faculties.

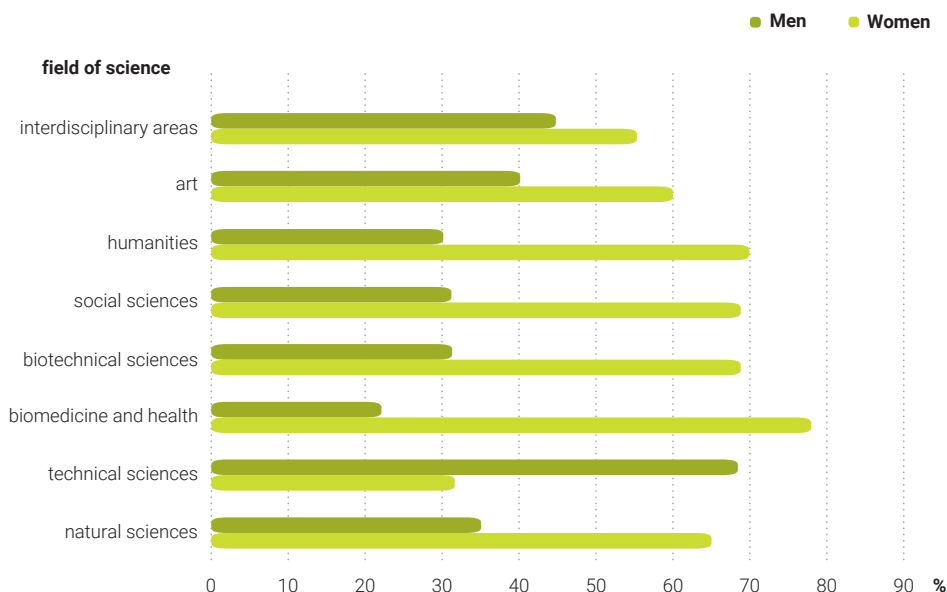
Source: CBS

G 20.8 Graduates by sex**20.20. Graduate students at university or vocational study by field of science and by sex in 2019**

Field of science	Total	Female students	Students
Total	16 142	9 612	6 530
Natural sciences	931	605	326
Technical sciences	4 231	1 337	2 894
Biomedicine and health	1 740	1 356	384
Biotechnical sciences	1 186	815	371
Social sciences	6 300	4 333	1 967
Humanities	1 228	858	370
Art	374	224	150
Interdisciplinary areas	152	84	68

Source: CBS; processing: COSPDC – Department of Statistical and Analytical Affairs

G 20.9 Structure of graduate students at university or vocational study by field of science and by sex in 2019



20.21 Teachers and associates in higher education institutions by title in 2019/2020

	Academic year									
	Total	Full Professors	Associate Professors	Assistant Professors	Professors in post-secondary education institutions	Lecturers	Lectors	Associates in Arts	Assistants	Professional and other associates, visiting professors or teaching staff
Higher education institutions	8 981	1 660	1 035	1 766	186	1 188	90	37	2 238	781
Faculties	5 858	1 324	794	1 354	4	263	75	-	1 396	648
Faculty of Science	576	129	73	107	-	11	-	-	177	79
Faculty of Architecture	148	36	31	26	-	30	-	-	25	-
Faculty of Civil Engineering	139	27	14	36	-	10	-	-	48	4
Faculty of Graphic Arts	70	10	9	19	-	3	-	-	28	1
Faculty of Geodesy	65	13	3	15	-	4	-	-	28	2
Faculty of Mechanical Engineering and Naval Architecture	342	69	24	52	-	14	-	-	136	47
Faculty of Transport and Traffic Sciences	397	107	53	73	1	1	-	-	143	19
Faculty of Electrical Engineering and Computing	156	23	20	30	-	20	-	-	38	25
Faculty of Mining, Geology and Petroleum Engineering	109	26	15	30	-	4	-	-	29	5
Faculty of Chemical Engineering and Technology	133	38	13	17	-	5	-	-	58	2

20.21 Teachers and associates in higher education institutions by title in 2019/2020

(Continued)

Academic year

	Total	Full Professors	Associate Professors	Assistant Professors	Professors in post-secondary education institutions	Lecturers	Lectors	Associates in Arts	Assistants	Professional and other associates, visiting professors or teaching staff
Faculty of Textile Technology	119	21	20	20	-	13	-	-	36	9
School of Medicine	508	111	102	140	-	3	-	-	152	-
School of Dental Medicine	214	64	38	64	-	1	-	-	45	2
Faculty of Pharmacy and Biochemistry	107	24	23	19	-	1	-	-	40	-
Faculty of Veterinary Medicine	171	64	26	33	-	3	-	-	30	15
Faculty of Food Technology and Biotechnology	193	64	30	50	-	5	-	-	43	1
Faculty of Agriculture	293	69	41	80	-	2	-	-	65	36
Faculty of Forestry ¹⁾	133	49	16	42	-	4	-	-	22	-
Faculty of Economics	256	73	29	85	-	17	1	-	50	1
Faculty of Law	360	71	41	69	1	16	-	-	22	140
Faculty of Political Science	95	19	20	27	-	12	-	-	17	-
Faculty of Humanities and Social Sciences	686	114	81	165	-	21	74	-	105	126
Faculty of Teacher Education	161	20	18	37	-	36	-	-	15	35
Faculty of Education and Rehabilitation	113	29	21	41	-	6	-	-	12	4
Faculty of Kinesiology	211	28	16	41	2	15	-	-	25	84
Catholic Faculty of Theology	85	21	15	28	-	6	-	-	6	9
Faculty of Philosophy of the Society of Jesus ²⁾	18	5	2	8	-	-	-	-	1	2
Art Academies	468	133	86	106	1	38	-	35	55	14
Music Academy	189	62	33	34	-	20	-	16	14	10
Academy of Fine Arts	120	36	21	26	-	8	-	15	10	4
Academy of Dramatic Art	159	35	32	46	1	10	-	4	31	-
Polytechnics	1 219	31	31	24	97	443	9	2	547	35
Zagreb University of Applied Sciences	250	5	8	2	23	145	-	-	67	-
University of Applied Sciences VERN	195	7	8	13	12	113	-	-	42	-
University of Applied Health Sciences	710	14	11	7	58	173	-	-	414	33
Zagreb School of Business	64	5	4	2	4	12	9	2	24	2
Post-secondary education	711	34	16	36	78	354	4	-	145	44
College of Occupational Safety and Health	15	2	-	-	6	7	-	-	-	-
College for Information Technologies	71	1	-	-	5	32	-	-	22	11

20.21 Teachers and associates in higher education institutions by title in 2019/2020

(Continued)

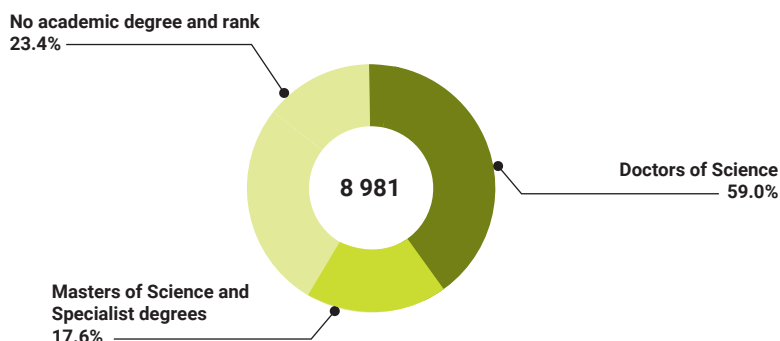
Academic year

	Total	Full Professors	Associate Professors	Assistant Professors	Professors in post-secondary education institutions	Lecturers	Lectors	Associates in Arts	Assistants	Professional and other associates, visiting professors or teaching staff
Zagreb School of Economics and Management	83	-	-	-	23	55	-	-	5	-
Post-secondary Police School	54	7	2	6	10	26	-	-	3	-
RRiF College of Financial Management	33	1	1	1	10	18	-	-	-	2
University College of Economics, Entrepreneurship and Management Nikola Šubić Zrinski	20	1	-	1	2	16	-	-	-	-
Effectus – University College for Law and Finance	73	1	1	4	7	56	-	-	4	-
Faculty of Theology "Matija Vlačić-Ilirik" (evangelical) ³⁾	30	4	1	6	-	-	-	-	-	19
Edward Bernays College of Communication Management	83	2	5	4	6	45	-	-	20	1
Algebra University College	205	3	4	12	5	90	-	-	89	2
University College of International Relations and Diplomacy Dag Hammarskjöld	44	12	2	2	4	9	4	-	2	9
University Departments	204	38	26	62	-	15	1	-	48	14
University Department of Croatian Studies	204	38	26	62	-	15	1	-	48	14
Institutes	27	4	8	6	-	-	-	-	1	8
Institute of Philosophy and Theology of the Society of Jesus	27	4	8	6	-	-	-	-	1	8
University	494	96	74	178	6	75	1	-	46	18
Croatian Catholic University	218	40	34	80	-	26	-	-	37	1
University of Zagreb - Military study programmes	175	39	34	70	2	8	-	-	5	17
Libertas International University	101	17	6	28	4	41	1	-	4	-

¹⁾ Since 2016/2017, the study programme has been carried out in Zagreb.²⁾ In 2017/2018, the Faculty of Philosophy of the Society of Jesus changed its name.³⁾ In the 2018/2019 academic year, the Matija Vlačić Ilirik Faculty of Theology is listed among faculties.

Source: CBS

G 20.10 Teachers and associates by academic degree and rank in the academic year 2019/2020

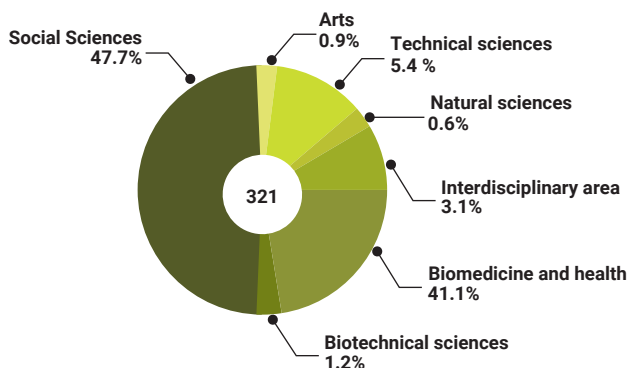


20.22 Masters of Science, Masters and University Specialists at higher education institutions

	2017		2018		2019	
	Total	Women	Total	Women	Total	Women
Total	318	191	295	193	321	214
Faculty of Science	2	1	5	3	2	2
Faculty of Civil Engineering	4	1	-	-	1	1
Faculty of Geodesy	1	-	-	-	-	-
Faculty of Mechanical Engineering and Naval Architecture	1	-	1	-	2	2
Faculty of Transport and Traffic Sciences	3	-	-	-	1	-
Faculty of Electrical Engineering and Computing	18	6	7	2	16	3
Faculty of Chemical Engineering and Technology	2	1	-	-	-	-
School of Medicine	30	20	26	20	29	23
School of Dental Medicine	7	5	7	5	21	13
Faculty of Pharmacy and Biochemistry	28	21	37	34	46	38
Faculty of Veterinary Medicine	33	8	12	5	30	17
Faculty of Food Technology and Biotechnology	5	4	1	1	4	3
Faculty of Agriculture	9	5	5	2	-	-
Faculty of Forestry	2	1	2	1	-	-
Faculty of Economics and Business	68	41	86	45	85	50
Faculty of Law	19	19	17	15	24	18
Faculty of Political Science	32	21	28	17	35	22
Faculty of Humanities and Social Sciences	10	8	3	3	5	4
Faculty of Teacher Education	-	-	2	2	-	-
Faculty of Education and Rehabilitation	7	7	1	1	4	4
Catholic Faculty of Theology	-	-	-	-	-	-
Libertas international university	-	-	18	14	6	5
Music Academy	6	5	3	1	3	3
Academy of Fine Arts	-	-	-	-	-	-
Faculty of Chemical Engineering and Technology	31	17	34	22	7	6

Source: CBS

G 20.11 Masters of Science, Masters and University Specialists by scientific field of the thesis for acquiring the Master/Specialist degree in 2019



20.23 Doctors of Science at higher education institutions

	2017		2018		2019	
	Total	Women	Total	Women	Total	Women
Total	482	261	429	229	469	262
Faculty of Science	85	57	61	35	69	45
Faculty of Architecture	2	1	9	6	5	3
Faculty of Civil Engineering	8	3	4	2	4	-
Faculty of Graphic Arts	4	2	6	3	2	1
Faculty of Geodesy	5	3	6	1	3	2
Faculty of Mechanical Engineering and Naval Architecture	9	3	15	4	16	1
Faculty of Transport and Traffic Sciences	10	2	7	-	4	-
Faculty of Electrical Engineering and Computing	43	3	37	5	54	12
Faculty of Mining, Geology and Petroleum Engineering	8	2	5	2	3	2
Faculty of Chemical Engineering and Technology	10	6	13	6	11	8
Faculty of Textile Technology	1	1	-	-	1	1
School of Medicine	68	33	73	48	79	50
School of Dental Medicine	9	3	18	10	21	15
Faculty of Pharmacy and Biochemistry	8	6	11	10	14	12
Faculty of Veterinary Medicine	16	6	7	3	12	4
Faculty of Food Technology and Biotechnology	11	8	8	7	8	7
Faculty of Agriculture	13	9	12	6	9	5
Faculty of Forestry	5	2	4	1	2	1
Faculty of Economics and Business	10	7	6	6	12	8
Faculty of Law	6	3	10	4	20	12
Faculty of Political Science	2	1	8	6	9	3
Faculty of Philosophy	103	75	68	48	72	52
Croatian Studies	4	2	15	6	11	2

20.23 Doctors of Science at higher education institutions

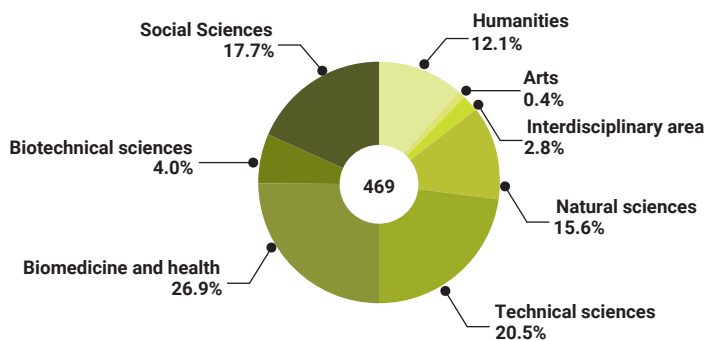
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	2017		2018		2019	
	Total	Women	Total	Women	Total	Women
Faculty of Teacher Education	8	8	2	1	5	5
Faculty of Education and Rehabilitation	3	-	1	1	1	1
Faculty of Kinesiology	11	5	14	4	13	6
Catholic Faculty of Theology	4	1	4	1	7	2
Institute of Philosophy and Theology of the Society of Jesus ¹⁾	2	1	3	1	-	-
Music Academy	1	1	-	-	-	-
Academy of Arts	5	2	2	2	2	2
Centre for Postgraduate Studies of the University of Zagreb	8	5	-	-	-	-

¹⁾ In 2017/2018, the Faculty of Philosophy of the Society of Jesus changed its name.

Source: CBS

G 20.12 Doctors of Science by the area of science and arts of their doctoral dissertations in 2019



In the theatre season 2018/2019 there were 86 theaters in the City of Zagreb in which 6 560 plays were performed, and the average attendance of theatre plays was 191 visitors per play.

21

Culture and arts



Photo: J. Duval, ZTB

NOTES ON METHODOLOGY

Data sources

Data on culture and arts are collected by virtue of regular annual reports. These reports do not include museums, museum collections and libraries because data collection for these units is carried out every three years.

Data on LADO - National Folk-Dance Ensemble of Croatia, on radio and television subscribers of Croatian Radio and Television (HRT), and on the Zoo of the City of Zagreb are received directly from these institutions.

Coverage and comparability

Data covers all cultural-artistic and cultural-educational organizations in the presented period, and the data are comparable with the data from the previous years.

In statistical surveys of national libraries, libraries of higher education organizations and special libraries, data include only those libraries that have 500 or more volumes of books and periodicals, as well as national libraries that have 250 or more volumes of books and periodicals.

Definitions and explanations

Theatre is a cultural and artistic institution, that is, an artistic organisation intended for performing artistic events. The theatres include professional theatres, professional children's theatres and amateur theatres. A large number of employees participate in the functioning of the theatre, who are divided to artistic, technical and administrative personnel.

Professional theatres are independent cultural and artistic institutions with permanent management and permanent professional art ensemble or professional ensemble that is hired for individual performances based on a contract.

Professional children's theatre is a professional theatre that regularly offers performances for children in which children participate along with a professional team.

Amateur theatres are cultural and artistic institutions whose ensemble generally consists of amateur actors. Amateur theatres are organizationally independent or they are a part of cultural and artistic associations.

Professional orchestras/choirs are musical ensembles of professional musicians/singers, who are permanently employed or hired based on a contract.

LADO - the National Folk-Dance Ensemble of Croatia is a professional institution whose aim is to research native folk dances and perform artistic performances of folk dances, songs and music.

Movie theatre is an indoor or open-air space equipped with devices for display of movies to the public. Movie theatres can have one or more auditoriums/screens, and they can function as permanent, summer (in a garden or on a terrace) or mobile movie theatres. They can be independent, a part of a filmmaking company, a part of another institution, a part of a cultural and educational institution, or private.

Radio and television services are provided by institutions that produce and broadcast a program for the public, through transmitters. Television subscribers are automatically considered radio subscribers. Pursuant to the Act on Croatian Radio and Television (Official Gazette 137/10, 76/12, 78/16, 46/17, 73/17 and 94/18), radio subscribers and television subscribers are persons who pay subscription for radio and persons who pay subscription for television.

Museum and museum collection is a non-profit, permanent institution open to public and in service of the society, which collects, keeps, researches, communicates and exhibits material testimonies of the man and its surroundings for the purposes of study, education and pleasure.

A library is a legal entity performing library activities in accordance with the provisions of the Act on Library Activities and Libraries.

Library material is any linguistic, visual and audio document on easily transferable material or in electronically readable form of information, artistic, scientific or professional content produced in several copies and intended for the public, including manuscripts; it also includes books, serial publications, manuscripts, evaluation papers, brochures, didactic games and other materials (maps, photographs, reproductions of works of art, etc.). Library material also includes games, toys and similar if such objects form part of the library collection.

An active library member is a member of the library (registered user) who visited or used the library in the reference year.

A visit to the library is the act of entering the library premises or accessing library website in order to use one of the services the library provides.

A virtual visit to the library is an individual external visit to library website and its catalogue.

A library workshop is an activity organised by a professional employee of the library for the users of the library with the goal of teaching the users to use the library and other information and technical services.

Library events are activities organised for users with a literary, cultural and social purpose, e.g. visits by authors, reading groups, literary meetings and exhibitions.

Zoo is an enclosed area in which living specimens of various animal species are kept, exhibited to the public, bred and researched for scientific and educational purposes. It was opened on 27 June 1925.

Number of visitors reflects the number of sold tickets.

Zoo events include various types of educational and entertainment content, organised workshops, interactive exhibitions, games and quizzes on animals with the purpose of acquainting the public with the necessity of animal and nature protection, which are carried out under various titles (Bat Night, Red Panda, Winter Around the World).

Event participants include both adults and children.

21.1 History of theatre

1833	Zagreb's wholesaler and landlord Kristofor Stanković got the main prize of the Vienna Lottery in the amount of 30,000 ducats and decided to erect the theatre building at Gradec, at the corner of st. Marko square and Freudenreich's Street as a private investment. City Magistrate granted him the land on which the building was built.
1834	(4 October) Gradec theatre was opened with the performance of the play "Zriny". Only German troupes performed at the Gradec theatre.
1835	During the intermission of German plays, the patriotic song "Još Hrvatska Ni Propala" by Ljudevit Gaj would be performed.
1840	(10 June), the first play in the Croatian language was performed – the play by Ivan Kukuljević Sakcinski named "Juran i Sofija" or "Turci kod Siska".
1860	Croatian National Theatre was founded at the initiative of the members of the Illyrian movement, namely of Dimitrije Demetar, who advocated that the Croatian people should have a theatre with plays performed in their own language.
1895	(14 October) Theatre building was opened at the then "Sveučilišni trg".

21.2 Theatres, number of plays, performed works and visitors

	theatre season				
	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019
Theatres	89	84	90	95	86
Professional theatres	79	73	80	84	78
Adult	61	55	60	64	59
Children	18	18	20	20	19
Amateur theatres	10	11	10	11	8
Number of plays	5 770	6 018	6 369	6 729	6 560
Professional theatres	5 569	5 866	6 241	6 556	6 388
Adult	3 766	4 005	3 965	4 171	4 399
Children	1 803	1 861	2 276	2 385	1 989
Amateur theatres	201	152	128	173	172
Performed works	623	766	679	691	822
Professional theatres	577	733	649	654	767
Adult	396	470	442	449	559
Children	181	263	207	205	208
Amateur theatres	46	33	30	37	55
Visitors	1 044 845	1 380 648	1 237 664	1 258 631	1 249 830
Professional theatres	1 027 012	1 364 988	1 224 696	1 244 474	1 233 746
Adult	798 406	1 127 900	937 718	950 786	971 899
Children	228 606	237 088	286 978	293 688	261 847
Amateur theatres	17 833	15 660	12 968	14 157	16 084

Source: CBS; processing: COSPDC – Department of Statistical and Analytical Affairs

21.3 Professional orchestras, ensembles and choirs

concert season

	Number of orchestras, ensemble, and choirs	Concerts		Visitors	
		Total	Abroad	Total	Abroad
2013/2014	36	641	76	242 086	24 070
2014/2015	35	636	78	203 736	25 960
2015/2016	34	602	55	242 868	30 436
2016/2017	32	561	49	320 156	78 190
2017/2018	32	590	48	441 951	190 385
2018/2019	30	592	52	256 764	24 220

Source: CBS; processing: COSPDC – Department of Statistical and Analytical Affairs

21.4 LADO – the National Folk-Dance Ensemble of Croatia

	Members – performers					Performances			Visitors		
	Men	Women	Total	Dancers and singers	Members of the orchestra	Total	In Croatia	Abroad	Total	In Croatia	Abroad
2015	31	24	55	41	14	98	98	-	30 000	30 000	-
2016	32	25	57	42	15	60	58	2	35 000	33 000	2 000
2017	33	22	55	40	15	47	43	4	56 000	52 000	4 000
2018	33	25	58	43	15	51	45	6	58 000	53 000	5 000
2019	32	22	54	40	14	64	58	6	59 700	55 000	4 700

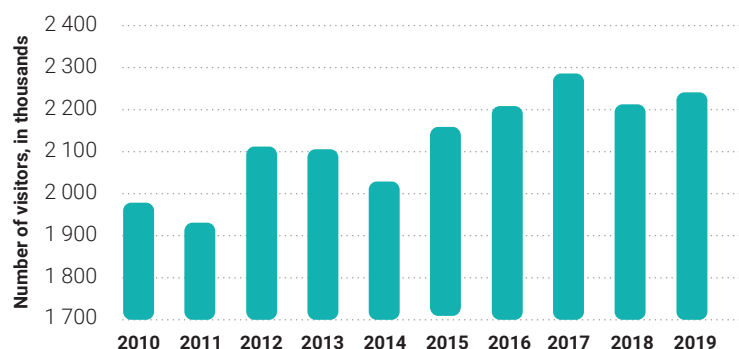
Source: National Folk Dance Ensemble of Croatia "Lado"

21.5 Cinematographs

	Cinematographs	Movie theatres/ screens	Seats	Projections	Visitors in thousands	Employees
2015	9	49	9 540	70 689	2 158	94
2016	9	49	9 528	63 743	2 207	91
2017	9	49	9 185	68 166	2 285	99
2018	9	49	9 149	70 497	2 212	96
2019	9	49	9 185	69 031	2 240	119

Source: CBS; processing: COSPDC – Department of Statistical and Analytical Affairs

G 21.1 Number of cinema visitors from 2010 to 2019



21.6 Radio and TV

	Radio stations	Radio transmitters	Radio broadcasting production, hours	Radio subscribers	TV subscribers
2015	13	377	137 339	265 703	222 788
2016	13	377	137 615	269 821	222 940
2017	14	379	146 099	270 094	222 159
2018	14	377	146 099	272 309	222 835
2019	13	377	135 528	275 370	222 275

Source: CBS; processing: COSPDC – Department of Statistical and Analytical Affairs

21.7 Museums and museum collections per type, permanently exhibited objects, occasional exhibitions and visitors in 2018

	Museums		Permanent exhibitions				Occasional exhibitions			
			Objects			Visitors	In a museum		Outside a museum	
	Total	Open for public	Catalogued	Exhibited	Non-catalogued		Exhibitions	Visitors	Exhibitions	Visitors
Total	37	29	1 309 653	40 809	1 226 594	555 885	251	659 000	104	805 192
General	7	4	37 486	2 267	9 980	35 177	25	9 703	-	-
Specialised	30	25	1 272 167	38 542	1 216 614	520 708	226	649 297	104	805 192
Historical	7	6	375 124	7 000	116 011	129 668	68	109 022	10	17 200
Archeological	1	1	392 169	14 028	-	18 920	53	32 213	13	22 250
Art	8	7	325 908	3 771	134 050	96 420	44	245 978	8	567 400
Ethnographic	1	1	77 678	1 399	-	19 096	13	31 784	22	45 512
Natural History	2	2	7 666	7 666	696 191	24 520	4	43 516	8	14 394
Technical and technological	2	2	18 506	2 905	1 202	98 788	20	33 743	5	21 610
Other ¹⁾	9	6	75 116	1 773	269 160	133 296	24	153 041	38	116 826

¹⁾ Includes memorial, biographical and other museums and museum collections.

Source: CBS

21.8 Libraries from 2007 to 2019

	2007	2010	2013	2016	2019
Total	377	371	354	330	348
National and University Library	1	1	1	1	1
Libraries of higher education institutions	91	84	77	50	43
Special libraries	78	80	71	66	66
Monastic church libraries	3	2	...	...	...
National libraries	45	42	45	46	47
Primary school libraries	99	99	99	107	114
Secondary school libraries	60	63	61	60	77

Source: CBS

21.9 Libraries in 2019

	Libra- ries	Catalogued library inventory		Active users	Employees		
		Total	Of which: books and brochures (volumes)		Total	Professional staff	Other staff
Total	348	11 524 960	8 682 647	366 750	1 429	1 218	211
National and University Library	1	2 427 000	1 617 000	7 728	305	188	117
Libraries of higher education institutions	43	3 059 611	2 068 614	69 127	240	233	7
Special libraries	66	2 339 625	1 522 830	59 986	124	113	11
National libraries	47	2 449 067	2 274 928	131 263	559	483	76
Primary school libraries	114	671 824	656 853	66 155	123	123	-
Secondary school libraries	77	577 833	542 422	32 491	78	78	-

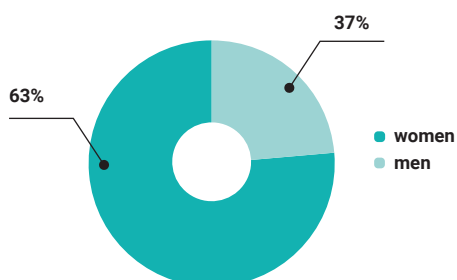
Source: CBS

21.10 Users of public libraries by sex, age and activity in 2019

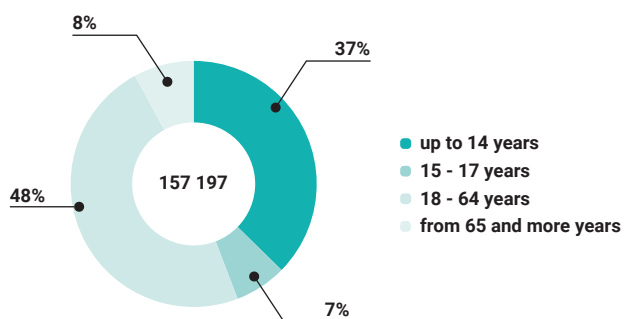
Library type	Users of public libraries						Active users	New users
	Total	wo- men	According to age group					
			up to 14 years	15 - 17 years	18 - 64 years	from 65 to more years		
Public libraries	157 197	98 321	58 693	10 758	75 296	12 450	131 263	22 321

Source: CBS

G 21.2 Users of public libraries by sex in 2019



G 21.3 Users of public libraries by age in 2019



21.11 Visits to libraries and library events in 2019

Library type	Visits to libraries			Library events		Visits to library events		Library workshops	
	Total	physically	virtually	number	of total for children and youth	Total	of total for children and youth	number	visits
Total	11 640 591	6 008 442	5 632 149	25 002	20 401	468 350	299 160	5 345	101 564
National	731 572	160 323	571 249	41	-	-	-	277	4 473
Higher education, university and science	4 013 659	2 473 805	1 539 854	98	-	7 794	-	265	4 419
Special	2 127 935	82 636	2 045 299	155	-	6 317	-	212	2 623
Public	3 359 716	2 184 908	1 174 808	21 071	16 764	295 638	140 559	721	11 795
Elementary school	1 138 773	845 798	292 975	2 983	2 983	124 868	124 868	3 240	61 595
Secondary school	268 936	260 972	7 964	654	654	33 733	33 733	630	16 659

Source: CBS

21.12 Zoological garden

	2015	2016	2017	2018	2019
Animals					
Individuals – total	7 533	7 737	8 687	8 089	8 856
Species – total	357	358	377	377	372
Mammals					
Individuals	625	648	669	719	770
Species	77	77	81	79	82
Birds					
Individuals	351	342	354	384	458
Species	76	77	80	73	76
Reptiles					
Individuals	620	624	813	733	724
Species	108	114	123	137	136
Fish					
Individuals	375	446	495	584	554
Species	37	32	32	31	24
Amphibians and invertebrates					
Individuals	5 562	5 677	6 356	5 669	6 350
Species	59	58	61	57	54
Visitors – total¹⁾	282 970	316 604	403 070	428 121	469 391
adults	174 510	185 624	209 103	212 778	226 802
children	98 727	122 797	182 928	192 302	218 058
at events	9 733	8 183	11 039	23 041	24 531

¹⁾ See Notes on Methodology.

Source: Zagreb ZOO

22

Sports



Photo: J. Duval, ZTB

NOTES ON METHODOLOGY



Data sources

Data on sports organizations and medals won in sports competitions were obtained from the Sports Association of the City of Zagreb. Data on sports venues were supplied by the City Office for Sports and Youth.

Coverage

The Sports Association of the City of Zagreb was established on 30 December 2013, with the aim of development and promotion of sports and sports creativity, implementation of joint sports programs and fulfilment of public demand for sports, as well as planning of funds for use of sports programmes in the City of Zagreb. It was entered into the Register of Associations on 8 January 2014, since when it exists as a legally active entity.

Definitions and explanations

Sports activities are physical activities undertaken by children and young people, active athletes, as well as sports and recreational activities and kinesiotherapy exercises.

Sports association is an association established for performance of sports activities defined by the Sports Act (Official Gazette Nos 71/06, 150/08, 124/10, 124/11, 86/12, 94/13, 85/15 and 19/16). Provisions of the Associations Act govern the establishment, organization, legal status, registration and termination of the association, unless any of the afore-mentioned matters are otherwise regulated by the Sports Act.

Sportsman/sportswoman is a person preparing for and participating in sports competitions.

Disabled persons can establish sports associations and organizations for the disabled, according to type of sports and type of disability, with the aim of organizing sports competitions and sports and recreational activities for the disabled. Croatian Paralympic Committee and the Croatian Sports Association of Deaf People regulate the fore-mentioned competitions and activities.

Sports venues are areas and structures equipped and furnished for carrying out sports activities. In addition to the general requirements stipulated by special regulations, these structures also meet special requirements in accordance with the provisions of the Sports Act.

Public sports venues are structures owned by the City of Zagreb, which are permanently used for implementation of programs designed to meet public needs for sports. Construction of sports venues is defined by the National Sports Program and funded from the state budget, units of local and regional self-government, part of the revenue from lottery games and private investment, as well as from partnerships between government and non-governmental organizations in sports, and from the private sector.

Categorization of sports venues is stipulated by the Decision on the Management and Use of Sport Venues owned by the City of Zagreb, which was issued by the City Assembly (Official Gazette of the City of Zagreb Nos 6/10, 12/10, 5/11, 15/11, 22/15, 25/15, 2/17, 9/17 and 18/17) and which classifies sports venues into five categories as presented below.

1. Sports venues of the 1st category - major sports venues of particular importance to the City of Zagreb and the Republic of Croatia, of great financial value, which meet the requirements and standards of international sports associations with regard to organization of official competitions and international sporting events.
2. Sports venues of the 2nd category - major sports venues important for sports of the City of Zagreb in terms of the value of venues, promotion of professional sport, historical role, the number of users and viewers.
3. Sports venues of the 3rd category - multipurpose sports venues of special features, important for the development of a particular sport or group of sports, and for fulfilment of demand for sports of a larger group of citizens.
4. Sports venues of the 4th category - sports venues important for local self-government unit or city district, used for practicing a specific sport or for recreational purposes.
5. Sports venues of the 5th category - sports venues significant for the area of local committees or individual sports associations, designed to meet the demand for sports and recreation in one's place of residence.

22.1 Sports associations and active athletes by sport types and age groups in 2019

Type of sport	Number of associations	Active members		Age							Professional staff
		Total	Women	up to 14	15 – 19	20 – 27	28 – 35	36 – 45	46 – 55	56 and more	
Total	974	105 732	48 727	45 929	16 525	14 517	4 098	5 802	7 115	11 746	4 353
Athletics	8	1 875	1 017	1 131	415	186	56	38	30	19	59
Automobile racing	22	172	16	9	2	28	33	58	33	9	51
Badminton	7	316	169	179	67	30	12	13	14	1	23
Baseball	5	227	12	54	64	60	24	22	3	-	21
Bicycling	12	143	22	24	11	11	17	41	15	24	38
Billiards	10	152	11	9	18	29	27	22	27	20	32
Boules	25	388	52	19	-	52	58	52	78	129	77
Body building	3	157	48	-	13	62	38	21	16	7	11
Boxing	9	373	56	88	175	69	24	10	5	2	43
Bridge	7	261	122	-	-	39	106	116	-	-	23
Curling	5	91	39	-	-	45	26	20	-	-	17
Weightlifting	5	142	21	1	4	65	36	19	4	13	17
Gymnastics	9	2 859	2 340	2 690	57	36	26	18	18	14	57
Golf	4	350	51	44	28	88	33	17	50	90	14
Hockey	6	677	192	314	103	92	54	63	37	14	28
Ice Hockey	13	501	20	289	81	67	25	27	6	6	41
Wrestling	9	724	35	334	181	109	60	24	7	9	39
Sailing	10	147	39	25	7	16	24	17	19	39	32
Jet Ski	3	135	43	8	6	17	17	38	37	12	11
Judo	13	1 625	351	1 210	222	102	32	30	21	8	49
Jiu-jitsu	5	116	16	-	-	22	27	49	18	-	17
Kayak/canoe	4	595	66	25	80	178	216	82	10	4	16
Karate	38	1 520	538	941	240	158	72	34	36	39	126
Kickboxing	17	282	71	5	23	111	85	40	14	4	53
Ice skating	7	342	308	228	70	22	3	13	1	5	28
Equestrian sports	10	126	117	36	44	18	9	9	9	1	32
Basketball	30	2 141	531	1 152	636	175	74	35	27	42	170
Inline skating	9	247	127	56	7	184	-	-	-	-	29
Bowling	33	568	199	126	86	80	26	46	67	137	101
Fencing	9	502	267	363	75	32	22	-	-	10	30
Motorcycle sports	8	64	1	-	1	7	23	11	7	15	26
Nanbudo	7	210	75	14	33	91	46	18	4	4	23
Football	134	13 347	338	7 263	3 435	1 463	478	356	226	126	575
Arm Wrestling	6	130	10	4	9	60	36	13	5	3	20
Volleyball	19	2 378	2 122	1 688	474	113	36	17	29	21	116
Orienteering	5	295	152	51	23	17	28	88	61	27	19
Darts	27	520	31	-	1	25	141	226	106	21	83
Swimming	11	1 250	432	1 030	114	50	14	20	13	9	80
Rugby	7	365	49	48	122	89	56	38	7	5	32

22.1 Sports associations and active athletes by sport types and age groups in 2019

(Continued)

Type of sport	Number of associations	Active members		Age							Professional staff
		Total	Women	up to 14	15 – 19	20 – 27	28 – 35	36 – 45	46 – 55	56 and more	
Rock'n'roll	6	638	546	453	60	39	9	6	4	67	32
Diving	5	132	45	2	10	55	40	20	5	-	17
Handball	32	1 638	521	1 090	280	156	37	35	16	24	134
Sambo	5	110	25	40	28	17	13	7	4	1	17
Savate	3	110	26	11	37	37	22	2	-	1	11
Synchronized swimming	4	294	293	209	39	20	6	9	8	3	19
Skiing	13	273	136	158	19	14	11	35	22	14	41
Water skiing and wakeboarding	3	12	3	-	3	3	1	2	2	1	11
Diving	4	283	155	184	41	22	5	5	-	26	21
Softball	8	335	148	67	65	103	43	51	6	-	33
Sports for the deaf	13	202	41	25	17	33	36	25	30	36	41
Disabled sports	44	1 056	267	25	50	140	220	178	373	70	90
Sport recreation	18	22 500	17 000	2 000	1 000	500	1 000	3 000	5 000	10 000	100
Sport dance	5	218	157	96	52	41	18	1	5	5	21
Sport fishing	26	145	22	14	9	23	-	-	83	16	80
Sport fishing at sea	5	71	7	7	8	1	4	26	8	17	17
Sport climbing	9	120	61	86	13	5	6	10	-	-	29
Squash	3	110	20	29	18	28	27	4	2	2	11
Table tennis	11	391	114	253	65	28	18	6	14	7	44
Archery	7	277	91	40	35	39	31	53	39	40	26
Shooting sports	18	292	91	51	54	32	17	42	34	62	56
University sports	32	8 452	3 547	-	-	8 452	-	-	-	-	66
Chess	23	548	79	173	30	42	31	45	74	153	71
School sports ¹⁾	215	24 206	12 777	17 804	6 402	-	-	-	-	-	710
Taekwondo	39	2 740	1 171	1 922	467	166	47	70	34	34	119
Tennis	30	1 210	517	592	175	106	78	97	87	75	100
Triathlon	6	1 133	417	420	169	108	118	179	107	32	36
Water polo	7	639	61	418	136	57	16	6	5	1	43
Rowing	6	935	191	281	250	95	66	66	51	126	36
Wushu	7	250	80	21	66	54	43	24	18	24	23
Air sports	11	99	12	-	-	3	15	37	24	20	39

¹⁾ School sports associations.

Source: Sports Association of the City of Zagreb

22.2 Number of medals won at international competitions¹⁾ from 2009 to 2019

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Medal total	208	232	320	235	296	268	192	170	200	203	245

By classes of medals

Gold	85	64	135	111	90	82	68	78	58	86	80
Silver	56	86	52	48	94	102	74	47	57	62	73
Bronze	67	82	133	76	112	84	50	45	85	55	92

By sex

Male	118	124	168	112	152	139	91	105	131	132	164
Female	42	53	71	56	59	66	48	37	69	71	81

By categories

Cadets	7	11	20	9	15	6	1	10	8	9	14
Female cadets	8	22	13	2	2	1	12	1	7	10	6
Juniors	29	32	63	42	62	44	33	18	24	18	33
Female juniors	5	8	18	15	33	16	10	7	12	6	16
Seniors	112	120	145	103	129	137	85	99	99	105	117
Female seniors	47	39	61	64	55	64	51	35	50	55	59

¹⁾ Medals won at all major competitions – Olympic Games, World Championship, European Championship, World and European Cups, World Leagues, Youth OG, Mediterranean Games, World and European Club Championships and Cups have been included.

Source: Sports Association of the City of Zagreb, processing: COSPDC – Department of Statistical and Analytical Affairs

22.3 Categorisation of sports venues owned by the City of Zagreb¹⁾

Status on 31 December 2019

Types of sports venues	Total	Categories				
		I	II	III	IV	V
Sports venues – total	164	16	19	35	56	38
Sports centres	50	5	5	14	15	11
Hockey	1	-	-	1	-	-
Basketball	2	1	-	-	1	-
Football	1	-	1	-	-	-
Sports and recreation	38	3	4	9	12	10
School	2	-	-	-	1	1
Tennis	5	1	-	4	-	-
Taekwondo	1	-	-	-	1	-
Sports fields	47	-	-	12	14	21
Football	33	-	-	11	14	8
Playgrounds and parks for children	3	-	-	-	-	3
Basketball	1	-	-	-	-	1
Beach volleyball	1	-	-	-	-	1
Handball	5	-	-	-	-	5
Tennis	1	-	-	-	-	1
Baseball	1	-	-	1	-	-
Futsal	2	-	-	-	-	2
Sports halls and arenas	26	2	7	6	10	1
Sports halls	14	-	2	2	9	1
School sports halls	4	-	4	-	-	-
Sports arenas	8	2	1	4	1	-
Mountain huts	6	-	-	-	6	-
Other sports venues	35	9	7	3	11	5
Swimming pool complexes	2	2	-	-	-	-
Boules courts	2	-	-	1	1	-
Hippodromes	1	1	-	-	-	-
Bowling alleys	5	-	2	1	1	1
Football stadiums	6	2	4	-	-	-
Ski lifts and slopes	2	1	-	-	1	-
Sports areas	4	-	-	-	1	3
Airports for air sports	1	1	-	-	-	-
Sports parks	3	1	-	1	-	1
Shooting ranges	9	1	1	-	7	-

¹⁾ See Notes on Methodology.

Source: City Office for Sports and Youth

The total number of convicted adults in 2019 was 2 319, of which the most convicted were for crimes against property, 900 of them, or 38.8% of the total number of convicted adults.

23

Judicial system



Photo: D. Rostuhar, ZTB

NOTES ON METHODOLOGY

Source and method of data collection

Data on perpetrators of criminal offenses and misdemeanours are taken over from the Croatian Bureau of Statistics, and data on courts and court staff are obtained from the Ministry of Justice.

Scope and comparability

Starting from the reference year 2015, the data are presented in accordance with the territorial organization and authority of the courts regulated by the new Act on Territories and Headquarters of Courts (OG, 128/14).

The Act on Territories and Headquarters of Courts (OG, No. 128/14) determines the competence of the newly-established Municipal Court in Novi Zagreb, which has jurisdiction over the following municipalities: Bistra, Brdovec, Dubravica, Jakovlje, Klinča Sela, Luka, Marija Gorica, Pisarovina, Pušća, Stupnik and Žumberak, towns: Jastrebarsko, Samobor, Sveta Nedelja and Zaprešić, as well as city districts of the City of Zagreb: Brezovica, Novi Zagreb West and Novi Zagreb East. Since it is not possible to extract data only for those municipalities that would belong to the City of Zagreb, the data for that court have been omitted.

Starting from the reference year 2019, the data are presented in accordance with the territorial organization and competence of the courts regulated by the new Act on Territories and Headquarters of Courts (OG, 67/18).

The Act on Territories and Headquarters of Courts (OG, 67/18) entered into force on 1 January 2019. It regulates, inter alia, the competence of the Municipal Court in Novi Zagreb, which has jurisdiction over the following municipalities: Bistra, Brdovec, Dubravica, Jakovlje, Klinča Sela, Krašić, Luka, Marija Gorica, Pisarovina, Pušća, Stupnik and Žumberak, towns: Jastrebarsko, Samobor, Sveta Nedelja and Zaprešić, as well as city districts of the City of Zagreb: Brezovica, Novi Zagreb West and Novi Zagreb East. Since it is not possible to extract data only for those municipalities that would belong to the City of Zagreb, the data for that court have been omitted.

The Act on the Territories and Seats of Courts (OG 67/18), which entered into force on 1 January 2019, merged municipal and misdemeanour courts.

Starting from the 2018 processing year, there have been changes in the structure of the classification of offence by the Central Bureau of Statistics. The number of classification areas has been reduced from nine to four. The individual items of the classification of offences within the areas that have been abolished are included under the remaining four areas, so that the full scope is retained. The areas of classification of offences "Labour relations and safety at work", "Education, science, culture and information", "Health and social protection, health insurance and environmental protection" and part of the area "Administration" are included under the area "Economy". The area of classification of offences "Public safety" is included under the area "Public order and security". One item from the classification area "Management" is included under the area "Finance".

Due to the procedural and legal nature of the decision on the dismissal of charge and the decision establishing that the perpetrator committed the offence in a state of mental incapacity, these decisions from reference year 2018 no longer constitute modalities of the statistical variable Type of decision (but are dispersed within the remaining applicable modalities).

Definitions and explanations

Crime, within the meaning of statistical surveys, means the procedure, starting from reporting a committed criminal offense, misdemeanour or an economic offense until adoption of the final decision by a competent authority.

Observation units are perpetrators of criminal offenses, misdemeanours and economic offenses.

Perpetrators of criminal offenses are adult and juvenile offenders who acted as perpetrators, co-perpetrators, instigators or accomplices.

Perpetrators of misdemeanours are both adult and juvenile persons, as well as legal and responsible persons.

Adult perpetrators of criminal offenses are persons who reached 18 years of age at the time of committing the criminal offense, and against whom criminal proceedings (in accordance with the crime report) and interlocutory proceedings have been completed, as well as charged persons against whom criminal proceedings have been concluded based on a final decision.

Charged person is an adult person against whom an indictment, notice of motion or a private lawsuit is filed, and against whom criminal proceedings have been completed based on a final court decision, or proceedings have been terminated or the indictment has been dismissed, or the perpetrator is acquitted, or the perpetrator has been found guilty (convicted, but no penal sentence was pronounced, or convicted and criminal sanctions were imposed).

Convicted person is an adult person who was found guilty and on whom any of the following criminal sanctions were imposed: imprisonment, fines, educational measure, judicial admonition; or such person was convicted, but no penal sentence was pronounced.

Adult perpetrators of misdemeanours are persons who reached 18 years of age at the time of committing misdemeanour, and against whom misdemeanour proceedings were completed by virtue of a final decision according to which the request for initiation of misdemeanour proceedings was dismissed, the proceedings were terminated, injunctive measure was imposed with no sentence, or such a person was convicted.

Juvenile perpetrators of criminal offenses are persons who reached 14 years of age but not yet 18 at the time of committing the criminal offense, and against whom criminal proceedings were not initiated (rebuff), interlocutory proceedings were terminated or a motion was filed for imposing sanctions, or against whom criminal proceedings were completed by virtue of a final decision terminating the proceedings or imposing sanctions.

Juvenile perpetrators of misdemeanours are persons who reached 14 years of age but not yet 18 at the time of committing misdemeanour, and against whom misdemeanour proceedings have been concluded by virtue of a final decision according to which the proceedings were terminated, protective measure was imposed with no educational measure or sanction, or the person was convicted.

Charged juvenile person is a juvenile perpetrator against whom legal proceedings through a senate have been concluded by virtue of final decision, according to which legal proceedings have been terminated through a senate or a criminal sanction has been imposed (juvenile imprisonment or educational measures).

Convicted juvenile person is a juvenile perpetrator of criminal offense against whom juvenile imprisonment or education measure has been pronounced (reprimand, special obligations, placement in a centre for disciplinary measure, increased care and supervision, increased care and supervision with daily stay in a correctional institution, placement in a correctional institution, placement in a rehabilitation centre or placement in a specialised correctional institution).

Criminal offense – Principle of Legality, Article 2 of the Criminal Code:

- 1) Criminal offenses and sanctions may be stipulated only by law.
- 2) No one shall be punished or subjected to other criminal sanctions for an offense which, at the time it was committed, did not constitute a criminal offense under the law or international law and for which the law did not prescribe the type and range of punishment.

Data on criminal offenses are shown according to sections of the Criminal Code, that is, by the titles of criminal offenses.

23.1 Courts and judges

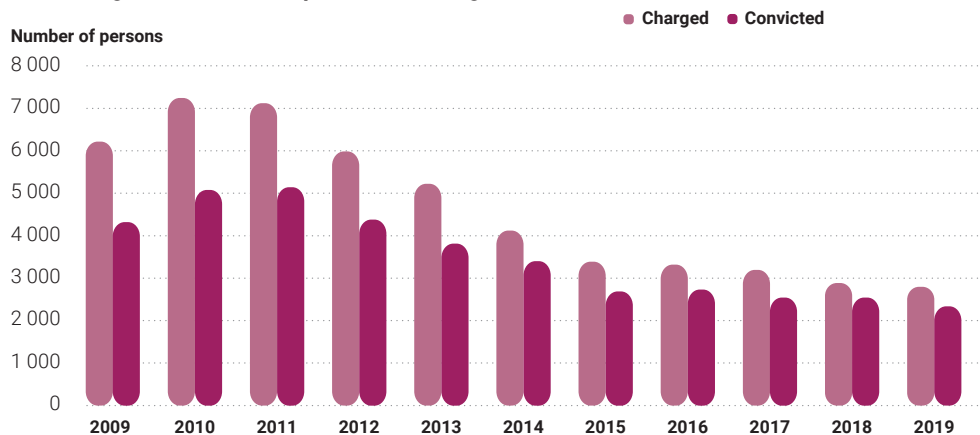
Courts		2015	2016	2017	2018	2019
Total	Total	494	481	469	463	466
	Women	389	381	373	371	371
County Court in Zagreb	Total	99	102	98	98	98
	Women	77	78	75	75	77
Municipal Civil Court in Zagreb	Total	124	120	118	121	110
	Women	102	101	100	102	90
Municipal Criminal Court in Zagreb	Total	40	37	36	30	25
	Women	28	27	26	23	20
Municipal Labour Court in Zagreb	Total	24	22	22	22	24
	Women	20	18	18	18	20
Municipal Court in Sesvete ¹⁾	Total	-	-	-	-	22
	Women	-	-	-	-	20
Municipal Court in Novi Zagreb ¹⁾	Total	43	40	39	38	53
	Women	30	28	28	28	34
Municipal Criminal Court in Zagreb ²⁾	Total	78	73	71	70	58
	Women	72	68	66	65	54
Misdemeanour Court in Sesvete ²⁾	Total	-	-	-	-	-
	Women	-	-	-	-	-
Misdemeanour Court in Novi Zagreb ²⁾	Total	17	17	17	15	-
	Women	9	9	9	8	-
Commercial Court in Zagreb	Total	56	53	51	52	56
	Women	42	39	38	39	42
Administrative Court in Zagreb	Total	13	17	17	17	20
	Women	9	13	13	13	14

¹⁾ New court.

²⁾ Court no longer exists.

Source: Ministry of Justice of the Republic of Croatia

G 23.1 Charged and convicted persons of full age



23.2 Charged and convicted persons of full age by criminal offences

Criminal offences	2018		2019	
	Charged	Convicted	Charged	Convicted
Total	2 936	2 477	2 779	2 319
Offences against life and limb	165	133	182	158
Murders	9	5	16	12
Aggravated murders	4	2	2	2
Bodily injury	70	61	52	45
Aggravated bodily injury	77	60	94	85
Especially aggravated bodily injury	-	-	2	2
Other criminal offences	5	5	16	12
Against personal freedom	345	260	341	258
Unlawful deprivation of freedom	3	3	4	3
Threats	312	235	303	235
Other criminal offences	30	22	34	20
Against honour and reputation	49	10	45	17
Insult	21	6	10	7
Defamation	8	2	4	3
Slander and libel	20	2	31	7
Against sexual freedom	16	14	23	16
Rape	7	6	4	2
Lewd acts	6	6	12	9
Other criminal offences	3	2	7	5
Against sexual maltreatment and sexual exploitation of children	22	20	9	7
Sexual abuse of a child younger than fifteen years	14	14	3	4
Other criminal offences	8	6	6	3
Against marriage, family, and youth	279	239	207	176
Failure to provide maintenance	183	160	118	94
Violation of children's rights	71	62	53	49
Other criminal offences	25	17	36	33
Against people's health	111	104	97	88
Illicit drug production and trafficking	101	96	94	87
Enabling drug abuse	6	6	2	1
Other criminal offences	4	2	1	-

23.2 Charged and convicted persons of full age by criminal offences

(Continued)

Criminal offences	2018		2019	
	Charged	Convicted	Charged	Convicted
Against Public Safety	14	10	38	30
Endangering Life and Property by Dangerous Public Acts or Means	9	8	21	20
Dangerous execution of construction works	5	2	15	8
Other criminal offences	-	-	2	2
Against safety in traffic	197	184	156	146
Reckless driving	-	-	2	2
Endangering Road Traffic	197	184	154	144
Other criminal offences	-	-	-	-
Against property	1 131	1 007	1 047	900
Theft	391	362	419	388
Aggravated theft	225	210	175	157
Robbery	71	60	64	56
Aggravated robbery	16	16	18	15
Larceny	12	7	15	11
Embezzlement	30	29	47	42
Unauthorised use of movable property	2	-	2	2
Malicious Mischief	46	36	56	45
Fraud	280	245	211	154
Extortion	29	25	16	11
Concealing	9	9	7	7
Other criminal offences	20	8	17	12
Against the economy	191	139	220	174
Abuse of trust in economic business operations	48	30	73	50
Fraud in economic business operations	57	31	47	30
Embezzlement of taxes or custom	17	15	33	29
Avoiding customs control	3	3	16	16
Illicit trade	50	49	45	44
Other criminal offences	16	11	6	5
Against computer systems, programmes, and data	26	24	22	21
Unauthorized access	1	-	-	-
Computer fraud	25	24	21	20
Other criminal offences	-	-	1	1

23.2 Charged and convicted persons of full age by criminal offences

(Continued)

Criminal offences	2018		2019	
	Charged	Convicted	Charged	Convicted
Against Counterfeiting	162	145	133	115
Forgery of a document	127	117	111	99
Forgery of an official or business document	15	10	10	6
Certification of untrue content	5	5	6	5
Other criminal offences	15	13	6	5
Against Intellectual Property	-	-	1	-
Illicit use of an author's work or an artistic performance	-	-	-	-
Other criminal offences	-	-	1	-
Against official duty	47	35	63	46
Abuse of office and official authority	30	18	39	27
Accepting a bribe	2	2	12	10
Offering a bribe	13	13	7	6
Trading in influence	2	2	3	2
Offering a bribe for trading in influence	-	-	-	-
Other criminal offences	-	-	2	1
Against the judiciary	43	35	28	23
False report of a criminal offence	8	8	11	11
Making a false statement	25	19	8	6
Failure to fulfil court decision	1	1	4	3
Other criminal offences	9	7	5	3
Against public order	111	102	123	110
Coercion against an official person	14	13	17	16
Attacking an official	5	4	11	10
Removal and damage of an official seal or a mark	4	3	4	3
Illegal debt collection	11	10	5	2
Illegal entry, movement and stay in the Republic of Croatia	33	31	45	44
Illicit production, possession, or acquisition of weapons and explosive substances	37	34	28	24
Other criminal offences	7	7	13	11
Other criminal offences	27	16	44	34

Source: CBS

23.3 Charged and convicted persons of full age by courts¹⁾

Court seat	Charged					Convicted				
	2015	2016	2017	2018	2019	2015	2016	2017	2018	2019
City of Zagreb – total	3 388	3 320	3 165	2 936	2 779	2 688	2 735	2 528	2 477	2 319
County courts:										
Zagreb	400	301	294	269	261	318	250	246	240	210
Municipal courts:										
Zagreb	2 713	2 634	2 460	2 207	2 156	2 127	2 167	1 990	1 887	1 801
Sesvete	-	-	-	-	-	-	-	-	-	-
Krapina	-	-	-	-	-	-	-	-	-	-
Zabok	-	-	-	-	-	-	-	-	-	-
Zlatar	275	385	411	460	362	243	318	292	350	308

¹⁾ See Notes on Methodology.

Source: CBS

23.4 Convicted persons of full age by courts and groups of criminal offences in 2019¹⁾

	Total	Zagreb County Court	Municipal Criminal Court in Zagreb	Municipal Court in Zlatar ²⁾
TOTAL	2 319	210	1 801	308
Against humanity and human dignity	7	7	-	-
Against life and limb	158	18	100	40
Against labour relations and social insurance	13	-	13	-
Against personal freedom	258	-	217	41
Against privacy	5	-	4	1
Against honour and reputation	17	-	16	1
Against sexual freedom	16	4	11	1
Against sexual maltreatment and sexual exploitation of children	7	2	5	-
Against marriage, family, and children	176	-	169	7
Against people's health	88	9	73	6
Against the environment	7	3	4	-
Against the public safety	30	1	28	1
Against safety in traffic	146	3	126	17
Against property	900	15	765	120
Against economy	174	88	70	16
Against computer systems, programmes, and data	21	-	18	3
Against counterfeiting	115	-	101	14
Against intellectual property	-	-	-	-
Against official duty	46	44	2	-
Against the judiciary	23	-	17	6
Against public order	110	16	61	33
Other criminal offenses until 2012	1	-	-	1
Secondary criminal legislation (not within the scope of the Criminal Court)	1	-	1	-

¹⁾ See Notes on Methodology.

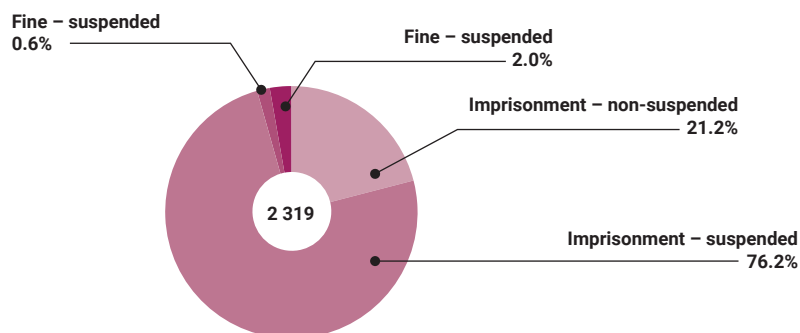
Source: CBS

23.5 Convicted adult persons by pronounced sanctions

Sanctions imposed	2015	2016	2017	2018	2019
Total	2 688	2 735	2 528	2 477	2 319
Imprisonment – non-suspended	617	556	531	476	490
Long-term imprisonment	1	3	-	-	1
15 – 20 years	3	1	-	1	-
10 – 15 years	-	3	3	5	4
5 – 10 years	11	10	9	8	11
2 – 5 years	70	66	63	49	49
1 – 2 years	133	82	83	77	81
6 – 12 months	326	320	322	294	284
up to 6 months	73	71	51	42	60
Imprisonment – suspended	1 961	2 092	1 888	1 926	1 764
Fine					
Non-suspended	29	18	21	17	22
Suspended	20	16	41	20	15
Convicted persons, but no penal sentence	2	2	1	-	4
Judicial admonition	1	3	-	-	-
Educational measures	35	25	20	17	15
Juvenile prison, suspended juvenile imprisonment, and suspended juvenile imprisonment with pronounced educational measure	23	23	26	21	9

Source: CBS

G 23.2 Convicted adult persons, by pronounced criminal penalties or other measures in 2019



23.6 Juvenile perpetrators of criminal offenses by groups of criminal offenses, type of decision and pronounced sanctions in 2019¹⁾

	Total	Criminal offences		
		Against life and limb	Against property	Other
Type of decision - total	50	1	30	19
Proceedings terminated	7	-	5	2
Pronounced penalties	43	1	25	17
Type of pronounced penalty - total	43	1	25	17
Educational measures				
Warnings	9	-	5	4
Measures of increased supervision	19	-	12	7
Correctional institution measure	3	1	1	1
Juvenile imprisonment	1	-	-	1
Suspended juvenile imprisonment	11	-	7	4

¹⁾ See Notes on Methodology.

Source: CBS

23.7 Adult and juvenile perpetrators of criminal offences by type of criminal offence, procedure, and decision¹⁾

	2015	2016	2017	2018	2019
Adult perpetrators – total	27 701	28 378	25 994	20 717	20 985
Type of offences from the area of					
Public order and peace	5 982	5 647	6 303	5 344	4 939
Safety in road traffic	14 459	14 775	12 207	10 931	11 136
Public safety	565	526	478	-	-
Economy	3 096	4 332	4 414	2 138	2 178
Finance	3 086	2 735	2 302	2 304	2 732
Labour relations and safety at work	186	63	69	-	-
Education, science, culture, and information	5	11	2	-	-
Health care and social welfare, health insurance, and the protection of the human environment	321	288	212	-	-
Administration	1	1	7	-	-
Type of decision					
Convicted	21 573	21 999	19 792	15 122	14 635
Rebuff	151	25	22	-	-
Proceedings terminated	648	804	947	536	275
Judgement of acquittal	4 358	4 351	3 835	4 083	5 034
Judgement rejecting charges	971	1 199	1 396	976	1 041
Mentally incompetent persons	-	-	2	-	-
Juvenile perpetrators – total	381	345	432	385	315
Type of offences from the area of					
Public order and peace	203	194	244	276	231
Safety in road traffic	120	83	126	97	83

23.7 Adult and juvenile perpetrators of criminal offences by type of criminal offence, procedure, and decision¹⁾

(nastavak)

	2015	2016	2017	2018	2019
Public security	40	26	23	-	-
Economy	18	41	38	12	1
Finance	-	1	1	-	-
Employment and occupational safety	-	-	-	-	-
Education, science, culture and information	-	-	-	-	-
Health care and social welfare, health insurance, and the protection of the human environment	-	-	-	-	-
Administration	-	-	-	-	-
Type of decision					
Convicted	4	6	7	2	4
Proceedings terminated	42	32	64	45	34
Applied educational and/or protective orders	335	307	361	338	277

¹⁾ See Notes on Methodology.

Source: CBS

23.8 Perpetrators of offences by pronounced sanctions¹⁾

	2015	2016	2017	2018	2019
Adult perpetrators – total	21 573	21 999	19 792	15 122	14 635
Imprisonment	1 830	1 714	1 522	1 254	1 410
Fine	16 388	15 426	14 129	11 686	11 077
Admonition	2 725	4 083	3 474	1 646	1 721
Found guilty, but no penal sentence	630	776	667	536	427
Protective orders (with penalty)	2 066	2 408	2 833	2 506	2 583
Juvenile perpetrators – total	4	6	7	2	4
Juvenile imprisonment	1	1	1	1	-
of which suspended imprisonment	1	1	-	1	-
Fine	3	5	6	1	4
Educational measures					
Judicial admonition	246	219	275	208	192
Special obligations	73	82	74	126	83
Assignment to a correctional institution	16	2	9	3	2
Protective measures	37	30	19	12	18

¹⁾ See Notes on Methodology.

Source: CBS

The number of active legal entities in 2019 was 51 385, and in 2018 it amounted to 50 251, representing an increase of 2.3%, while the number of registered sole proprietor and sole practitioner entities equalled 17 086 in 2019, representing a 9.8% increase in comparison to 2018, when there were 15 566.

24

Business entities



Photo: S. Uštulica, ZTB

NOTES ON METHODOLOGY

Data sources

Data on the number of business entities in the City of Zagreb were taken from the Croatian Bureau of Statistics and the Financial Agency (Fina) - Central Office in Zagreb.

Pursuant to the Accounting Act (Official Gazette Nos 78/15, 134/15 and 120/16), business entities are classified as micro, small, medium-sized and large enterprises, depending on the indicators determined on the last day of the business year preceding the business year for which the financial statements are prepared.

Definitions and explanations

Business entities are legal and natural persons that perform activities in accordance with legal regulations, public authorities (state administration bodies, other state bodies, local and regional self-government units, legal persons and other bodies with public authorities, legal persons whose founder is the Republic of Croatia or a local and regional self-government unit, legal persons performing public service, legal persons who are partially or entirely funded from the state budget or from the budget of local or regional self-government units (i.e. public funds, such as taxes, provisions, etc.), as well as companies in which the Republic of Croatia and units of local and regional self-government hold individual or joint majority ownership).

Registered legal entities (business entities)

are entities entered in the Register, specifically companies, institutions, co-operatives, associations, political parties, state government bodies and other uncoordinated units that have had the status of legal person under the previously valid regulations.

Active legal entities (business entities) are legal entities entered in the Register, whose activity status is determined based on eSPRI data.

Natural persons are units that carry out activities in accordance with legal regulations. This pertains to crafts and freelancing activities.

Legal form is a characteristic of entities entered in the Register, based on which they are classified as joint stock companies, limited liability companies, simple limited liability companies, co-operatives, institutions, associations, state government bodies and bodies of local and regional self-government units and other legal forms. The legal form of entities entered in the Register is defined by virtue of decision of the competent registration body or by virtue of an act on establishment, based on which the entities are entered in the Register.

Form of ownership is a characteristic of entities entered in the Register that represents the ownership structure of an entity. It pertains to ownership of funds, i.e. the share capital of business entities.

The indicators based on which business entities are classified (micro, small, medium-sized and large) are total assets, income and average number of employees during a business year.

24.1 Business entities by legal organisational forms and activities

Status as of 31 December

	Business entities									
	Registered					Active				
	2015	2016	2017	2018	2019	2015	2016	2017	2018	2019
Legal persons – total	100 481	80 685	82 344	85 240	90 824	61 670	46 563	48 416	50 251	51 385
Companies – total	60 135	64 581	65 743	68 162	73 301	53 669	39 867	41 362	44 363	44 066
Simple limited liability company	7 246	9 394	11 455	13 511	15 986	7 242	6 682	7 722	9 625	9 791
Limited liability company	51 815	54 084	53 163	53 521	56 137	45 526	32 460	32 915	34 015	33 568
Other forms	1 074	1 103	1 125	1 130	1 178	901	725	725	723	707
Companies ¹⁾ and co-operatives ²⁾ – total	23 984	507	459	438	442	231	98	93	92	75
Private companies	3 012	-	-	-	-	4	-	-	-	-
Limited liability companies	20 155	-	-	-	-	53	-	-	-	-
Cooperatives	496	507	459	437	441	172	98	93	91	74
Other forms	321	-	-	1	1	2	-	-	1	1
Institutions, bodies, associations, funds and organizations	16 362	15 597	16 142	16 640	17 081	7 770	6 598	6 961	5 796	7 244
Entities in crafts and freelance activities	14 623	14 316	14 802	15 566	17 086	...	...	...	...	...

¹⁾ Data refers to legal entities that still do not comply with the Companies Act.

²⁾ Data refers to legal entities registered according to the Act on Cooperatives, legal entities that still do not comply with the Act on Cooperatives, credit unions and housing cooperatives.

Source: CBS

24.2 Active legal entities by forms of ownership

Status as of 31 December

	Business entities									
	Registered					Share, %				
	2015	2016	2017	2018	2019	2015	2016	2017	2018	2019
Total	61 670	46 563	48 416	50 251	51 385	100.0	100.0	100.0	100.0	100.0
Forms of ownership										
State-owned	228	199	195	200	203	0.4	0.4	0.4	0.4	0.4
Private	53 141	39 436	40 982	44 024	43 773	86.2	84.7	84.6	87.6	85.2
Cooperative	172	97	92	91	74	0.3	0.2	0.2	0.2	0.1
Mixed	423	310	294	271	250	0.7	0.7	0.6	0.5	0.5
No ownership	7 706	6 521	6 853	5 665	7 085	12.4	14.0	14.2	11.3	13.8

Source: CBS

24.3 Business entities by NCA sections and activities

Status as of 31 December

		Legal entities		
		Registered	Active	Share of active entities in the total number of registered entities in %
2015		100 481	61 670	61.4
2016		80 685	46 563	57.7
2017		82 344	48 416	58.8
2018		85 240	50 251	59.0
2019 - Total		90 824	51 385	56.6
Legal entities by NCA 2007 sections				
A	Agriculture, forestry and fishing	649	344	53.0
B	Mining and quarrying	54	27	50.0
C	Manufacturing	5 849	3 699	63.2
D	Electricity, gas, steam and air conditioning supply	387	167	43.2
E	Water supply; sewerage, waste management, and remediation activities	248	118	47.6
F	Construction	7 252	3 952	54.5
G	Wholesale and retail trade; repair of motor vehicles and motorcycles	20 010	10 357	51.8
H	Transportation and storage	3 081	2 053	66.6
I	Accommodation and food service activities	5 957	3 253	54.6
J	Information and communication	5 241	3 615	69.0
K	Financial and insurance activities	1 039	507	48.8
L	Real estate activities	2 720	1 630	59.9
M	Professional, scientific and technical activities	13 637	9 381	68.8
N	Administrative and support service activities	3 467	2 147	61.9
O	Public administration and defence; compulsory social security	196	129	65.8
P	Education	1 255	986	78.6
Q	Health and social work activities	1 366	882	64.6
R	Arts, entertainment and recreation	4 948	2 299	46.5
S	Other service activities	13 434	5 839	43.5
T	Activities of households as employers; undifferentiated goods – and services – producing activities of households for own use	-	-	-
U	Activities of extraterritorial organisations and bodies	34	-	-

Source: CBS

24.4 Business entities by NCA 2007 sections and by size¹⁾

Status as of 31 December 2019

		Business entities				
		Total	Micro	Small	Medium	Large
Total		45 608	40 877	3 997	567	167
A	Agriculture, forestry and fishing	372	340	27	4	1
B	Mining and quarrying	28	19	3	4	2
C	Manufacturing	3 758	3 116	510	101	31
D	Electricity, gas, steam and air conditioning supply	240	191	28	11	10
E	Water supply; sewerage, waste management and remediation activities	110	77	22	8	3
F	Construction	4 127	3 697	382	35	13
G	Wholesale and retail trade; repair of motor vehicles and motorcycles	10 552	8 933	1 346	215	58
H	Transportation and storage	1 856	1 693	134	19	10
I	Accommodation and food service activities	3 081	2 847	211	21	2
J	Information and communication	3 672	3 308	310	36	18
K	Financial and insurance activities	258	230	17	5	6
L	Real estate activities	1 883	1 706	162	13	2
M	Professional, scientific and technical activities	9 947	9 355	532	54	6
N	Administrative and support service activities	2 091	1 932	138	21	-
O	Public administration and defence; compulsory social security	21	19	2	-	-
P	Education	637	600	36	1	-
Q	Health and social work activities	637	574	57	5	1
R	Arts, entertainment and recreation	637	582	43	9	3
S	Other service activities	1 578	1 537	35	5	1
T	Activities of households as employers; undifferentiated goods – and services – producing activities of households for own use	-	-	-	-	-
U	Activities of extraterritorial organisations and bodies	-	-	-	-	-
Natural persons without activity		123	121	2	-	-

¹⁾ See Notes on Methodology.

Source: Fina

Foreign direct investments into the City of Zagreb in 2019 amount to 295 million euro.

In the period from 2010 to 2019, most foreign direct investments into the City of Zagreb, in the amount of EUR 1 846.6 million, which came from Italy and accounted for 59% of total foreign direct investments into the City of Zagreb.

25

Foreign direct investments



Photo: Photo Spiller Farmer d.o.o.

NOTES ON METHODOLOGY

Coverage and comparability

Foreign direct investments include equity investments, retained profits and debt relations between residents and non-residents connected through equity. Direct equity investments – liabilities are investments by which a foreign owner acquires at least 10% of the share capital of a resident company, equity investments by which a non-resident recipient of the direct investment performs an under 10% investment into the capital of its direct resident investor (reverse investment) and equity investments between horizontally connected companies in which a non-resident investor owns less than 10% of shares in the resident's capital if the investor belongs to the same group of companies as the resident reporting subject (investment between horizontally connected companies).

Domestic legal entities directly owned by foreigners are domestic legal entities in which a non-resident investor owns 10% or more shares.

The attached tables show direct investments in the county by years according to the country of investor and the resident activity.

In the data published on 30 June 2019, the series of data on direct investment was revised due to the revision of data on foreign debt, beginning in 2010.

The countries in table 25.4. are presented according to the Alphabetical list of Countries and States and Their Codes as defined in Attachment 1 of the Decision on the Manner of Opening Transaction Accounts (Official Gazette Nos 3/2011, 35/2011, 50/2011, 89/2011, 101/2011, 135/2011, 56/2012, 18/2013, 23/2013, 10/2014, 150/2014, 64/2016, 107/2017, 1/2018 and 57/2019).

The item **Other countries** includes data on countries that, based on the total amount of investment, participate with less than 1% in the total amount in a particular year.

The item **Other activities** includes data on activities that, based on the total amount of investment, participate with less than 1% in the total amount in a particular year. This includes data that the Croatian National Bank is obliged to keep confidential in accordance with the Official Statistics Act.

This item includes data that the Croatian National Bank is obliged to keep confidential in accordance with the Official Statistics Act.

The investment is recorded in the county where the resident company is headquartered.

Source of data

The Croatian National Bank started the survey on foreign direct investments in 1997, when companies included in the survey also submitted data on direct investments for the period from 1993 to 1996.

There is no information, however, on reinvested earnings and other direct investment capital that encompass debt relations between related residents and non-residents, and which became available only after the mentioned survey was first conducted in 1997.

Since 1999, data on debt relations within direct investments have been collected on the basis of the records of external debt relations within the external debt statistics.

As transactions related to the purchase and sale of real estate are also a part of direct investments, data on these have been collected since 2007.

All tables are in line with the methodology prescribed in the sixth edition of the Balance of Payments and International Investment Position Manual, BPM6. Direct investments are classified according to the assets/liabilities principle.

Property/liabilities principle covers:

1. Direct investments in direct investment enterprises ("regular" direct investments).
2. Investments in direct investor (reverse investment). This arises when a direct investment enterprise acquires up to 10% equity in its investor, or it offers its investor some type of loan (credit, debt instrument).
3. Investment between horizontally linked enterprises. This type of direct investment includes equity investments between enterprises which are linked by indirect ownership, also up to 10%, provided that the investor belongs to the same enterprise group as the reporting unit. In this sense, the enterprise group includes legal entities directly or indirectly managed by a single legal entity or natural person.

25.1 Foreign direct investments in the City of Zagreb (liabilities), from 2010 to 2019

mil. euros

	Direct investments
2010	453.7
2011	402.7
2012	788.9
2013	321.2
2014	1 496.7
2015	-878.8
2016	-151.7
2017	-163.0
2018	580.5
2019	295.0

Source: CNB

25.2 Domestic legal entities in the City of Zagreb in direct foreign ownership

	Domestic legal entities in direct foreign ownership
2010	1 969
2011	2 150
2012	2 306
2013	2 461
2014	2 655
2015	2 899
2016	3 054
2017	3 238
2018	3 333
2019	3 420

Source: CNB

25.3 Foreign direct investments in the City of Zagreb (liabilities), according to NCA 2007, from 2015 to 2019 and from 2010 to 2019

mil. euros

NCA	Activity	2015 – 2019	2010 – 2019
Total		-318.1	3 145.1
01	Crop and animal production, hunting and related service activities	-10.5	1.6
02	Forestry and logging	7.5	68.8
06	Extraction of crude petroleum and natural gas	-41.8	-221.0
10	Manufacture of food products	68.1	137.9
11	Manufacture of beverages	10.3	0.6
16	Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	9.8	9.2
19	Manufacture of coke and refined petroleum products	-2.0	-160.9

25.3 Foreign direct investments in the City of Zagreb (liabilities), according to NCA 2007, from 2015 to 2019 and from 2010 to 2019

(Continued)

mil. euros

NCA	Activity	2015 – 2019	2010 – 2019
21	Manufacture of basic pharmaceutical products and pharmaceutical preparations	-480.4	-681.4
23	Manufacture of rubber and plastic products	4.7	10.1
26	Manufacture of computer, electronic and optical products	-0.6	-53.3
27	Manufacture of electrical equipment	1.1	-8.5
29	Manufacture of motor vehicles, trailers and semi-trailers	12.3	13.4
35	Electricity, gas, steam and air conditioning supply	72.3	117.4
36	Water collection, treatment and supply	215.0	262.7
41	Construction of buildings	6.4	-68.5
42	Civil engineering	37.5	20.2
45	Wholesale and retail trade and repair of motor vehicles and motorcycles	341.3	264.8
46	Wholesale trade, except of motor vehicles and motorcycles	420.4	620.0
47	Retail trade, except of motor vehicles and motorcycles	63.9	70.4
52	Warehousing and support activities for transportation	72.6	253.5
55	Accommodation	-0.8	-16.8
56	Food and beverage service activities	7.9	32.3
58	Publishing activities	66.1	84.4
59	Motion picture, video and television programme production, sound recording and music publishing activities	29.7	61.4
60	Programming and broadcasting activities	231.8	230.3
61	Telecommunications	60.2	72.6
63	Information service activities	-2 532.8	-210.8
64	Financial service activities, except insurance and pension funding	46.5	141.4
65	Insurance, reinsurance and pension funding, except compulsory social security	120.8	155.5
66	Activities auxiliary to financial services and insurance activities	365.0	928.7
68	Real estate activities	245.4	471.6
70	Activities of head offices; management consultancy activities	32.4	46.5
71	Architectural and engineering activities; technical testing and analysis	17.3	13.4
72	Scientific research and development	23.1	48.1
73	Advertising and market research	60.5	-67.3
77	Rental and leasing activities	-10.1	20.8
93	Sports activities and amusement and recreation activities	-22.5	118.4
	Equity investment in real estate	6.6	25.4
	Other ¹⁾	126.9	332.4

¹⁾ See Notes on Methodology.

Source: CNB

25.4 Foreign direct investments in the City of Zagreb (liabilities) by country from 2015 to 2019 and from 2010 to 2019

mil. euros

Country	2015 – 2019	2010 – 2019
Total	-318,1	3 145,1
Australia	17,8	18,1
Austria	-1 503,7	-1 088,3
Belgium	47,9	199,8
Bosnia and Herzegovina	20,3	38,2
Cyprus	-188,8	-175,9
Czech Republic	150,0	426,3
Denmark	31,1	48,8
France	-14,8	-73,4
Ireland	41,2	46,8
Italy	1 794,3	1 846,6
Cayman Islands	37,7	38,3
China	2,5	4,0
Liechtenstein	7,2	10,1
Luxembourg	1 016,8	1 284,3
Hungary	33,2	-198,3
Malta	57,7	150,8
Netherlands	-2 112,4	251,3
Netherlands Antilles	-	8,2
Norway	15,9	107,4
Germany	456,8	-393,2
Poland	46,7	30,4
Russian Federation	79,7	185,6
United States of America	5,5	31,0
Slovakia	-1,1	23,3
Slovenia	43,4	127,2
Serbia	-8,7	7,9
Spain	15,3	34,1
Sweden	111,5	-17,1
Switzerland	-348,8	143,7
Turkey	39,9	194,0
United Kingdom	92,9	74,4
International Financial Institutions	-406,9	-340,4
Other ¹⁾	101,7	101,2

¹⁾ See Notes on Methodology.

Source: CNB

Gross Domestic Product in the City of Zagreb in 2017 amounted to 125.0 billion kuna (in current prices), which is an increase of 5.0% compared to 2016 when the gross domestic product was 119.0 billion kuna.

26

Gross domestic product



Photo: M. Gašparović, ZTB

NOTES ON METHODOLOGY

Sources of data collection

Data sources for the calculation of GVA and GDP for the City of Zagreb are the national accounts data, annual business statistics surveys, economic accounts for agriculture, annual data on persons in employment and earnings, annual data of the Croatian Institute for Pension Insurance on the number of insured persons and various other statistical data.

Data on the total GDP are presented in current prices, and the GVA per areas of activity of the National Classification of Activities for 2017 in basic prices.

The population estimate was done on the basis of the 2011 Census data and the population estimate for the years after the Census. The annual average population was calculated as an average of the state on 31 December of the current year.

Coverage

The calculation covers all activities following the concept of the System of National Accounts (SNA 2008) and the European System of National and Regional Accounts (ESA 2010).

Definitions

Regional accounts are a subsystem of national accounts in which the Republic of Croatia, the NUTS 2012 - 2nd level units and counties are the main objects of observation.

Regional GDP is an indicator of a region's output and can therefore be used for measuring and comparing the degree of economic activity of different regions and is not a measure of regional wellbeing or regional income.

Gross domestic product at market prices, shows the value of all produced goods and services of resident units, ie. sum of values added by activities, including items at the level of the national economy that are not classified by activities, such as taxes on products less subsidies on products.

Output is defined as a market value of all produced goods and services, and includes market output, output for own final use and other non-market output.

Value added equals the difference between output and intermediate consumption. Value added at basic prices also equals the sum of compensation of employees, other taxes on production less other subsidies on production as well as the sum of gross operating surplus and gross mixed income.

Subsidies are current unrequited payments which government or the institutions of the European Union make to resident producers. Subsidies on production are subsidies which resident producer units may receive as a consequence of engaging in production.

GDP per capita in purchasing power standards (PPS) is an indicator that measures the economic development of EU's regions as a percentage of the EU average (EU-28 = 100). It shows how much a region is more or less developed than the average EU development or the general level of economic development of a particular region. It is expressed by the purchasing power standard, which is an artificial currency unit that eliminates the differences between price levels between countries.

Other explanations

For the calculation of gross domestic product and gross value added in euros, the exchange rate from the CNB published in the Bulletin, Statistical Review, no. 255 – November 2019, table G 10a was used: Annual and monthly average of the middle rate of exchange of the Croatian National Bank.

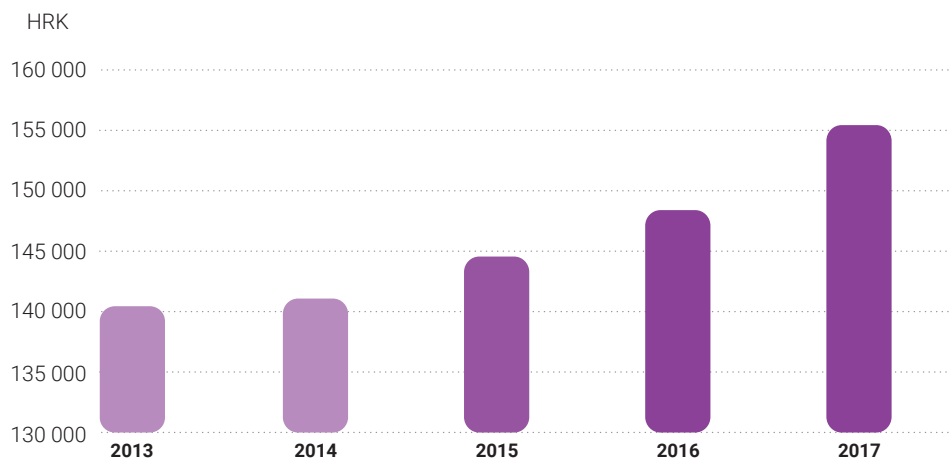
Due to rounding numbers, the total sum may not match the sum of the individual data.

26.1 City of Zagreb GDP between from 2013 to 2017

	current prices				
	2013	2014	2015	2016	2017
Gross Domestic Product, million kuna	111 733	112 565	115 731	119 096	125 020
Gross Domestic Product, million euros	14 753	14 753	15 209	15 818	16 758
Gross Domestic Product per capita, kuna	140 459	140 983	144 542	148 407	155 541
Gross Domestic Product per capita, euros	18 546	18 477	18 995	19 710	20 850

Source: Croatian Bureau of Statistics

G 26.1 City of Zagreb GDP per capita between 2013 to 2017



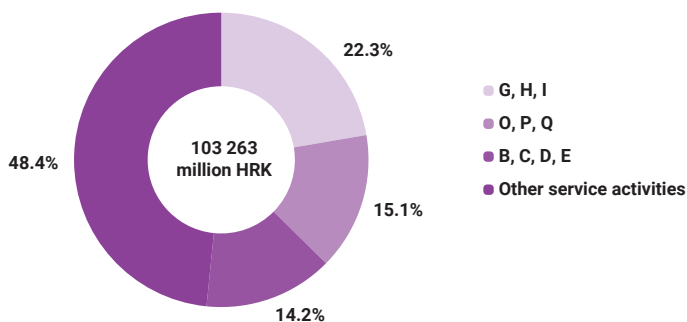
26.2 Gross value added for the City of Zagreb by area of activity according to NCA 2007

basic prices, million kuna

Area of activity according to NCA 2007		2013	2014	2015	2016	2017
Total		93 182	93 888	95 892	98 703	103 263
A	Agriculture, forestry and fishing	203	215	226	230	224
B, C, D, E	Industry, mining and quarry and other industries	13 465	14 041	14 461	15 005	14 699
out of which:						
	C Industry	9 180	9 514	9 858	10 368	10 196
F	Construction	2 756	2 677	2 677	2 690	2 864
G, H, I	Wholesale and retail sale, transport and storage, accommodation and food service activities	20 684	20 466	21 737	21 814	23 047
J	Information and communication	8 699	8 529	8 956	9 330	10 499
K	Financial and insurance activities	11 102	11 373	11 267	11 621	12 042
L	Real estate activities	5 483	5 520	5 574	5 620	5 698
M, N	Professional, scientific, technical, administrative and support service activities	13 149	13 169	13 084	13 367	14 009
O, P, Q	Public administration and defence, education, human health and social work activities	13 699	13 793	13 954	14 621	15 558
R, S, T, U	Other service activities	3 942	4 105	3 956	4 405	4 623

Source: Croatian Bureau of Statistics

G 26.2 Structure of the gross value added according to area of activity of the NCA 2007 in 2017 for the City of Zagreb



26.3 Gross domestic product per capita according to the purchasing power standard (EU 28=100)

current prices

	2013	2014	2015	2016	2017
City of Zagreb	107.7	105.9	106.3	107.0	108.2

Source: Croatian Bureau of Statistics

The COVID-19 pandemic was first registered in the City of Zagreb on 25 February 2020 and had a negative impact on socio-economic trends in the City of Zagreb.

In the first nine months of 2020, a total of 517 thousand tourist arrivals were realized in the City of Zagreb and 606 thousand tourist overnight stays, which is a 53% decrease in arrivals and a 65% decrease in overnight stays compared to the same period in 2019.

The total number of the unemployed increased by 14%, i.e. the number of unemployed increased by 20 912, in the first nine months of 2020 compared to the same period in 2019.

During the pandemic, on 22 March, 2020, Zagreb was hit by a strong earthquake of a magnitude of 5.5 on the Richter scale. The earthquake caused extensive damage to buildings in the area surrounding the epicentre, especially in the old town centre.

27

COVID-19 and earthquake



Photo: M. Gašparović, ZTB

NOTES ON METHODOLOGY

A) COVID-19

Data Source

The source of data regarding the number of patients with COVID-19 is the Croatian Institute of Public Health.

The data on tourist traffic (number of tourist arrivals and overnight stays) are taken over by the Central Bureau of Statistics from the administrative source of the eVisitor system and further statistically processed.

The data on employees employed by legal entities were obtained on the basis of data processing from the Report on Receipts, Personal Income Tax and Surtax and Contributions for Compulsory Insurance (JOPPD form).

The data on employees employed by sole practitioners and sole proprietors and on employed farmers were obtained from the Croatian Pension Insurance Institute.

The data on the unemployed are obtained from the Croatian Employment Service.

Definitions

COVID-19 is a viral disease caused by the new coronavirus SARS-CoV-2. The disease was officially confirmed during December 2019 in the city of Wuhan in China. Common symptoms include fever, cough, difficulty with breathing, shortness of breath, loss of smell and taste. Additional, less specific, symptoms can include headache, chills, sore muscles, fatigue, vomiting and/or diarrhoea. Recommended protection measures against COVID-19 include frequent hand washing and disinfection, trying not to touch your mouth, nose and eyes, keeping distance from other people and avoiding close contact, especially with people who show symptoms of the disease, as well as self-isolation measures.

The incidence rate is obtained by dividing the number of new cases in a given area over a given period of time by the total population in that area.

A tourist is any person who spends at least one night in a place outside his place of residence in a hospitality facility or other accommodation facility for tourists with the purpose of rest or recreation, health, study, sports, religion, family, business, public missions or gatherings.

Active population includes the employed and the unemployed.

The employed are persons who entered into an employment relationship with their employer, for a definite or indefinite term, regardless of the length of working hours and ownership of the legal entity, and receive compensation for their work.

Sole practitioner or sole proprietor is a person who, with his or her own funds, has established a trade or a free profession in which he or she performs an activity in his own name and for his own account or with the help of an employee.

Employee employed by sole practitioner and sole proprietor is a person who entered into an employment contract with the employer for an indefinite or definite term.

The unemployed are persons capable of work, aged 15 to 65, who are registered as job seekers with the Croatian Employment Service, who regularly report and are not employed.

B) EARTHQUAKE

Data Source

The earthquake data were collected by the competent institutions – the Faculty of Civil Engineering, the Seismological Service of the Geophysical Institute of the Faculty of Science, the Office for Emergency Management and the City Office for Strategic Planning and Development of the City.

Definitions

An earthquake is a sudden and rapid shaking of the Earth's surface caused by cracking of the rocks within the Earth's crust or their movement along the already existing cracks (faults).

The two basic measures that describe an earthquake are magnitude and intensity.

The magnitude of an earthquake is the energy released during an earthquake in the hypocentre. It is expressed in degrees of the Richter scale, which has a value from 0 to 9. The larger the degree of the earthquake, the stronger (more destructive) the effect of the earthquake.

Earthquake intensity is a descriptive measure that describes the effects or consequences of an earthquake on the Earth's surface, and can be expressed using the Mercalli-Cancani-Sieberg scale (MCS), more commonly referred to only as the Mercalli scale which has 12 degrees, or using newer scales, for example the European Macroseismic Scale (EMS-98).

Preliminary (rapid) assessment of damage to a building in an earthquake means the determination of the degree of damage to buildings in relation to the protection of life and property, i.e. determining whether the building is usable, unusable or temporarily unusable. The rating can refer to the whole building or to a particular part of the building. The inspection does not include inspection of the installations or a static study of the building. Inspections are performed by construction experts and include exclusively recommendations for actions related to the safety of citizens. Based on the observed damage, the assessment of the behaviour of the structure in the event of a repeated earthquake and the risk assessment, the construction expert assigns one of the offered usability categories:

Usable without restrictions – the building can be used. The building has no damage or has slight damage that does not pose a danger to the load-bearing capacity and usability of the building.

Usable with recommendation – the building can be used in accordance with the intended purpose, except in certain parts where there is an immediate danger to a part of the building. A construction expert makes recommendations for

removing safety hazards (such as chimneys) and recommendations for users to temporarily restrict their stay in certain parts of the building. After the removal of safety hazards, the building can be used without restrictions.

Temporarily unusable – detailed inspection required - the building has moderate damage without the risk of collapse. The load-bearing capacity of the building is partially impaired. It is not recommended to stay in the building, i.e. citizens stay in such a building at their own risk. A shorter stay in the building is possible, with the advice of a construction expert regarding the necessary measures and restriction of stay (depending on the danger). A construction expert issues recommendations to eliminate the danger.

Temporarily unusable – emergency measures required - the building has moderate damage without the risk of collapse, but cannot be used due to the potential risk of collapse of certain elements from the building. The construction expert identifies emergency intervention measures and gives instructions to users. Until the measures are implemented, the building or part of it is not usable (for example, the roof). Temporary unusability can only apply to some parts (units) of the building.

Unusable – due to external influence - the building is dangerous due to the possibility of collapse of massive parts of the adjacent building (most often gable walls and massive chimneys). Due to the danger, it is recommended not to stay in such buildings at all (especially given the large number of earthquake recurrences).

Unusable – due to damage – the building has major damage to the load-bearing system, there are collapses of load-bearing and non-load-bearing elements. It is recommended not to enter and stay in the building. This does not necessarily mean that the building has to be demolished - such decisions are made at further stages.

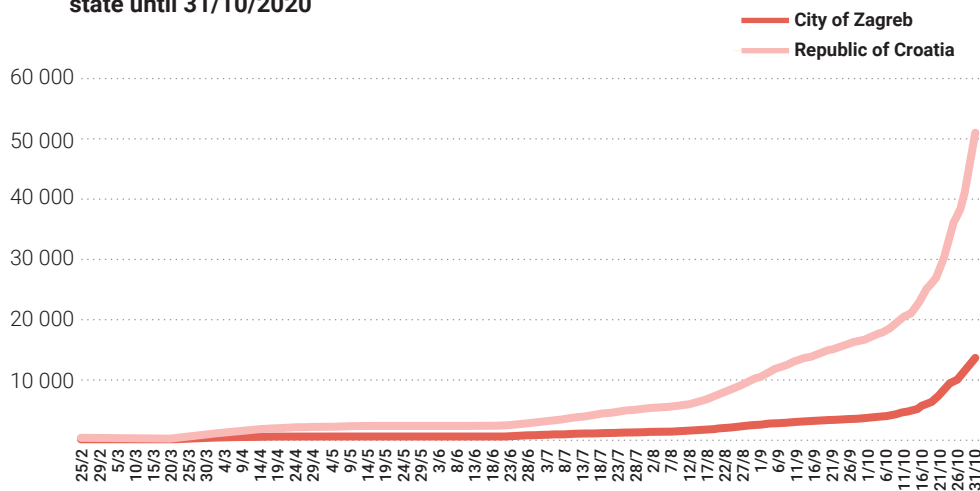
COVID-19

27.1 Patients with COVID-19 in the City of Zagreb and of the Republic of Croatia, as of 31 October 2020

	City of Zagreb	Republic of Croatia	Share of the City of Zagreb
Total number of patients	13 556	51 669	26.2
Men	6 885	25 413	27.1
Women	6 671	26 256	25.4
Total number of deaths	174	546	31.9
Share of deaths in the total number of patients	1.3	1.1	-
Death rate per 1,000,000 people	216.3	133.6	-

Source: Croatian Institute of Public Health; processing: COSPDC – Department of Statistical and Analytical Affairs

G 27.1 Total number of patients in the City of Zagreb and of the Republic of Croatia, state until 31/10/2020

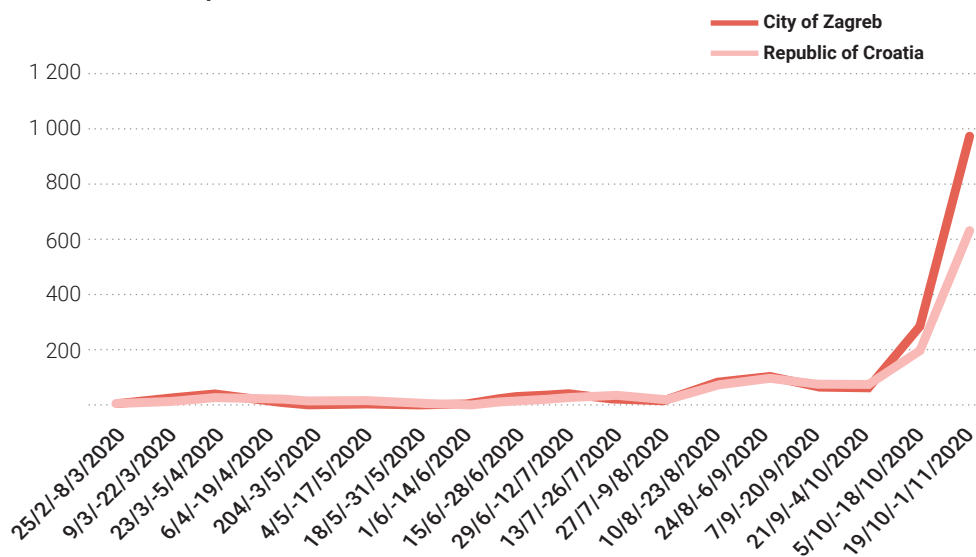


27.2 Patients with COVID-19 and 14-day incidence rate per 100 000 people

Period	Total number of cases		Share of the City of Zagreb	14-day incidence rate per 100 000 people	
	City of Zagreb	Republic of Croatia		City of Zagreb	Republic of Croatia
25/2 - 8/3/2020	2	12	16.7	0.2	0.3
9/3 - 22/3/2020	98	242	40.5	12.2	5.9
23/3 - 5/4/2020	239	928	25.8	29.7	22.7
6/4 - 19/4/2020	112	689	16.3	13.9	16.9
20/4 - 3/5/2020	20	225	8.9	2.5	5.5
4/5 - 17/5/2020	8	130	6.2	1.0	3.2
18/5 - 31/5/2020	1	20	5.0	0.1	0.5
1/6 - 14/6/2020	3	6	50.0	0.4	0.1
15/6 - 28/6/2020	188	439	42.8	23.4	10.7
29/6 - 12/7/2020	270	1 031	26.2	33.6	25.2
13/7 - 26/7/2020	198	1 135	17.4	24.6	27.8
27/7 - 9/8/2020	153	747	20.5	19.0	18.3
10/8 - 23/8/2020	649	2 571	25.2	80.7	62.9
24/8 - 6/9/2020	762	3 789	20.1	94.8	92.7
7/9 - 20/9/2020	520	2 958	17.6	64.6	72.4
21/9 - 4/10/2020	534	2 737	19.5	66.4	67.0
5/10 - 18/10/2020	2 267	7 921	28.6	281.8	193.8
19/10 - 1/11/2020	7 864	25 915	30.3	977.5	634.0

Source: Croatian Institute of Public Health; processing: COSPDC – Department of Statistical and Analytical Affairs

G 27.2 14-day incidence rate in the City of Zagreb and in the Republic of Croatia

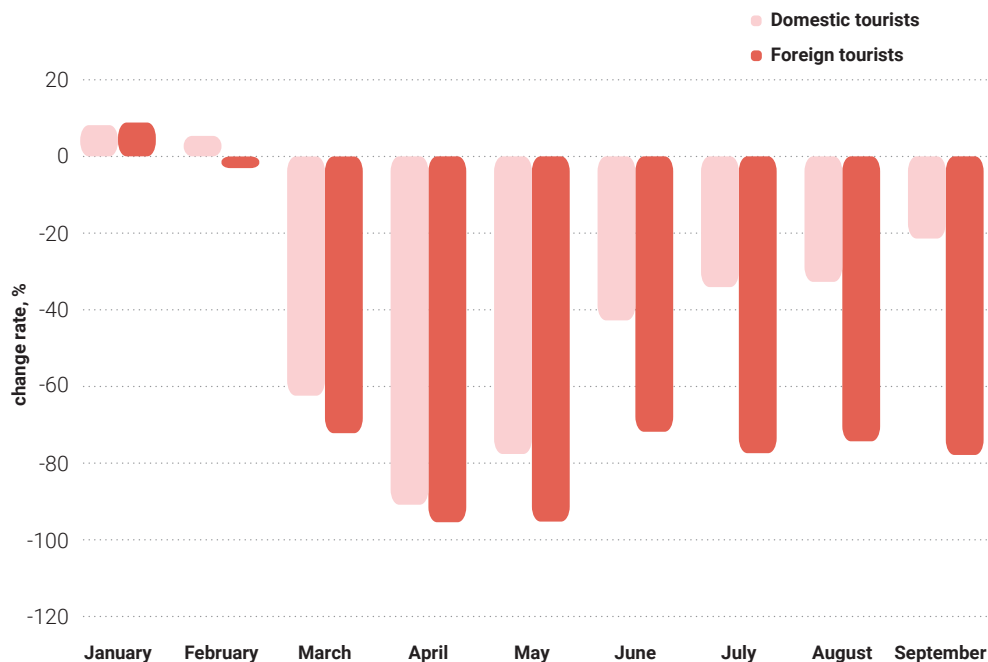


THE IMPACT OF COVID-19 ON TOURISM AND EMPLOYMENT IN THE CITY OF ZAGREB

27.3 Arrivals and tourist overnight stays in the City of Zagreb by month in 2020

	Tourist arrivals			Overnight stays		
	Total	Domestic	Foreign	Total	Domestic	Foreign
2019	1 454 019	243 098	1 210 921	2 638 962	452 513	2 186 449
January	55 987	16 374	39 613	120 768	35 169	85 599
February	59 871	17 486	42 385	115 917	33 305	82 612
March	86 692	20 868	65 824	168 002	40 380	127 622
April	115 158	18 140	97 018	207 763	34 335	173 428
May	146 694	19 705	126 989	258 981	35 555	223 426
June	145 312	15 040	130 272	257 386	28 193	229 193
July	158 593	13 031	145 562	287 026	24 942	262 084
August	166 137	11 206	154 931	288 347	22 447	265 900
September	155 517	17 775	137 742	269 137	31 208	237 929
October	134 333	22 493	111 840	234 784	40 142	194 642
November	96 077	26 442	69 635	181 277	47 947	133 330
December	133 648	44 538	89 110	249 574	78 890	170 684
2020						
January	61 665	18 270	43 395	131 272	37 975	93 297
February	56 771	18 829	37 942	115 070	35 014	80 056
March	19 809	6 831	12 978	49 907	15 088	34 819
April	770	418	352	9 787	3 009	6 778
May	5 205	3 528	1 677	17 000	7 873	9 127
June	23 568	9 804	13 764	50 304	19 353	30 951
July	37 711	8 191	29 520	74 534	16 490	58 044
August	42 367	7 663	34 704	82 040	15 132	66 908
September	33 251	12 450	20 801	75 695	24 565	51 130

Source: CBS

G 27.3 Rate of monthly change in tourist overnight stays, 2020/2019**27.4 Arrivals and overnight stays by country of residence, January to September, 2019 and 2020**

	Arrivals		Overnight stays	
	I - IX 2019	I - IX 2020	I - IX 2019	I - IX 2020
TOTAL	1 089 961	281 117	1 973 327	605 609
CROATIA	149 625	85 984	285 534	174 499
FOREIGN COUNTRIES	940 336	195 133	1 687 793	431 110
EUROPE	530 812	160 765	991 225	333 769
Albania	3 123	1 130	5 177	2 279
Austria	23 279	7 642	38 953	14 613
Belgium	12 870	3 176	24 974	6 106
Belarus	909	151	1 675	507
Bosnia and Herzegovina	28 563	13 153	54 705	28 312
Bulgaria	26 078	4 841	36 193	7 404
Cyprus	737	162	1 862	389
Montenegro	3 959	1 524	8 487	3 099
Czech Republic	9 696	4 509	17 015	7 037
Denmark	5 834	1 321	12 129	2 584
Estonia	1 176	332	3 103	674
Finland	3 117	626	8 259	2 152
France	28 631	7 982	54 984	17 396

27.4 Arrivals and overnight stays by country of residence, January to September, 2019 and 2020

(Continued)

	Arrivals		Overnight stays	
	I - IX 2019	I - IX 2020	I - IX 2019	I - IX 2020
Greece	9 447	1 759	16 230	3 522
Ireland	3 688	753	8 439	1 813
Iceland	783	66	2 263	166
Italy	47 907	15 039	95 234	41 504
Kosovo	3 334	1 357	5 942	2 692
Latvia	1 810	329	3 306	682
Liechtenstein	62	5	93	16
Lithuania	2 369	432	4 501	1 075
Luxembourg	692	293	1 255	562
Hungary	14 063	3 789	23 781	7 372
Malta	347	150	1 039	512
Netherlands	19 412	3 702	37 471	7 831
Norway	3 576	539	7 685	1 251
Germany	56 189	21 132	105 097	43 498
Poland	23 864	11 462	34 773	16 217
Portugal	10 857	951	18 162	2 573
Romania	14 896	5 475	26 987	10 739
Russia	10 346	2 715	21 936	7 059
North Macedonia ¹⁾	7 543	2 396	14 187	4 728
Slovakia	7 207	1 884	12 596	3 227
Slovenia	16 774	6 937	30 907	12 902
Serbia	25 210	10 684	48 391	21 513
Spain	36 430	2 849	67 788	7 840
Sweden	7 212	2 214	15 502	4 538
Switzerland	13 755	3 877	26 369	8 139
Turkey	8 186	1 922	14 189	4 604
United Kingdom	28 098	6 008	63 628	15 587
Ukraine	8 236	5 387	14 721	8 838
Other European countries	547	110	1 237	217
AFRICA	5 727	834	14 497	3 185
South African Republic	2 429	133	4 364	407
Morocco	607	135	1 372	392
Tunisia	243	64	617	158
Other African countries	2 448	502	8 144	2 228
NORTH AMERICA	95 047	8 964	198 532	34 329
Canada	27 142	1 083	52 438	4 202
USA	67 347	7 808	145 003	29 959
Other Northern American countries	558	73	1 091	168

27.4 Arrivals and overnight stays by country of residence, January to September, 2019 and 2020

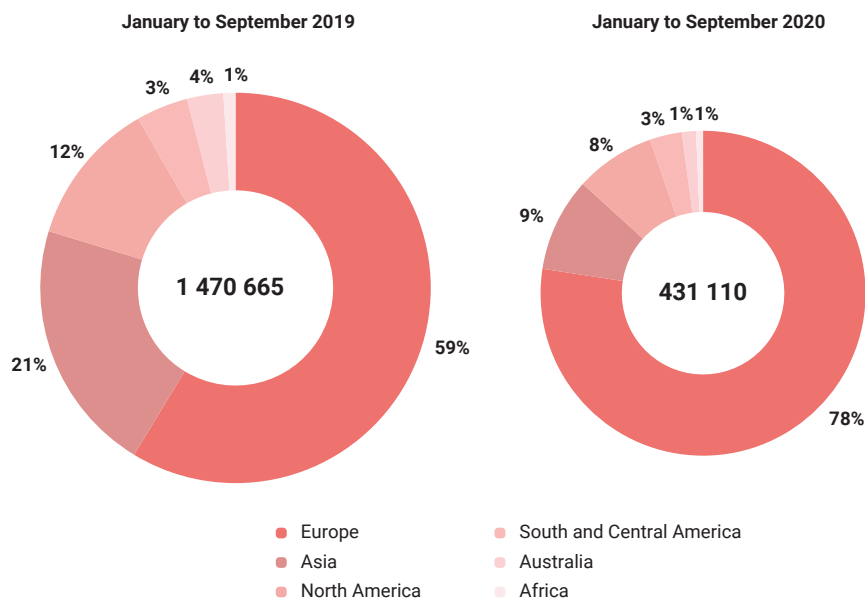
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	Arrivals		Overnight stays	
	I - IX 2019	I - IX 2020	I - IX 2019	I - IX 2020
SOUTH AND CENTRAL AMERICA	32 215	3 833	62 131	13 538
Argentina	7 872	930	15 188	3 831
Brazil	12 896	1 260	25 032	3 983
Chile	2 221	383	4 358	941
Mexico	3 353	370	6 241	1 421
Other countries from South and Central America	5 873	890	11 312	3 362
ASIA	245 413	19 334	357 801	40 280
Hong Kong, China	11 405	548	13 395	1 119
India	13 731	797	27 222	3 603
Indonesia	2 609	354	3 754	677
Israel	11 354	1 995	23 566	5 336
Japan	24 174	1 728	37 201	3 123
Jordan	300	39	663	96
Qatar	4 957	1 408	6 066	1 659
Kazakhstan	300	86	787	184
Mainland China	46 473	2 172	67 297	6 985
Republic of Korea	79 130	5 451	100 868	7 875
Kuwait	832	42	1 885	172
Macau, China	76	3	95	4
Malaysia	7 005	603	9 389	941
Oman	257	15	643	18
Singapore	8 339	601	11 618	1 153
Thailand	3 688	323	4 900	577
Taiwan	16 369	1 410	17 780	1 567
United Arab Emirates	5 598	451	9 381	1 009
Other Asian countries	8 816	1 308	21 291	4 182
AUSTRALIA AND OCEANIA	31 122	1 403	63 607	6 009
Australia	26 670	1 186	55 307	5 290
New Zealand	4 387	178	8 074	540
Other countries of the Oceania	65	39	226	179

¹⁾ Since 15 February 2019, the Republic of Croatia has used the name Republic of North Macedonia in all forms of official communication.

Source: CBS; processing: COSPDC – Department of Statistical and Analytical Affairs

G 27.4 Overnight stays of foreign tourists by continent of residence, 2019 and 2020



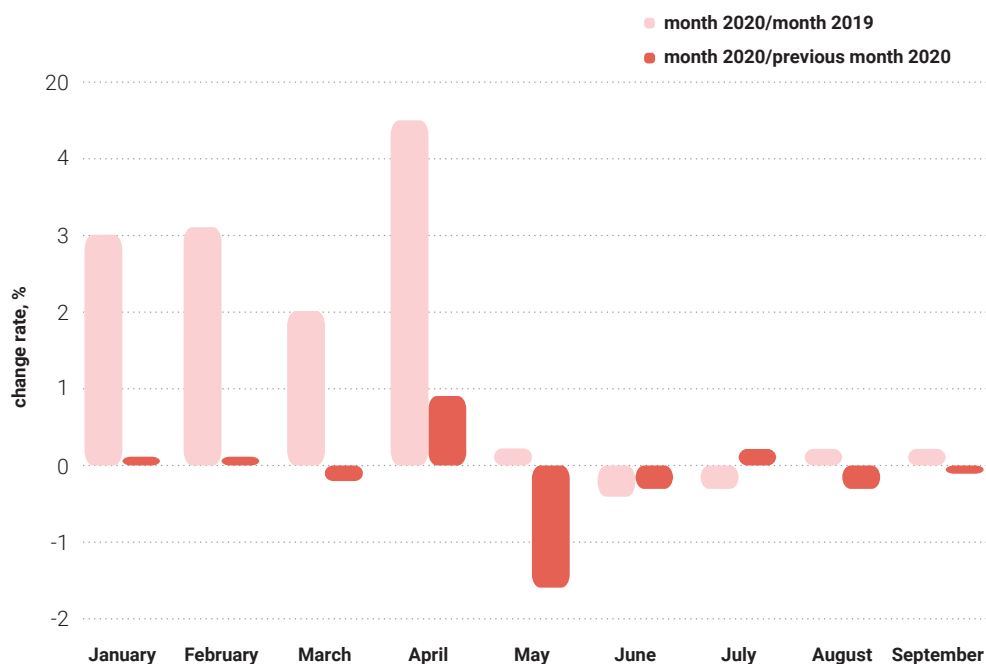
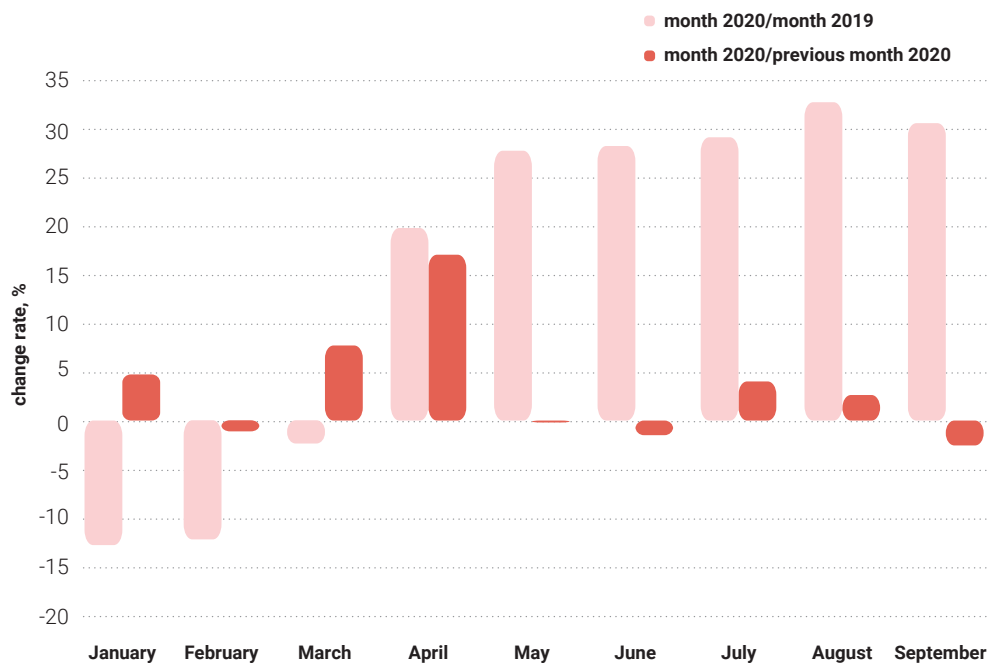
27.5 Active population in the City of Zagreb according to administrative sources, by month 2020

Months	Active population					
	Total	Employed				Unemployed ³⁾
		Total	employees of legal entities ¹⁾	sole proprietor and sole practitioner employees ²⁾	insured agricultural employees ²⁾	
I.	439 376	423 731	392 884	30 336	511	15 645
II.	439 528	424 051	393 162	30 376	513	15 477
III.	440 052	423 404	392 875	30 015	514	16 648
IV.	446 626	427 157	396 723	29 920	514	19 469
V.	439 615	420 170	389 554	30 104	512	19 445
VI.	438 050	418 889	388 131	30 240	518	19 161
VII.	439 600	419 689	389 037	30 139	513	19 911
VIII.	438 812	418 402	387 832	30 057	513	20 410
IX.	437 756	417 861	387 361	29 991	509	19 895

¹⁾ Source: CBS. The data is provisional.

²⁾ Data from the register of active insurees of the Croatian Pension Insurance Institute.

³⁾ Data on unemployment taken from the Croatian Employment Service.

G 27.5 Change rates for the total number of the employed in the City of Zagreb**G 27.6 Change rates for the employed in the City of Zagreb**

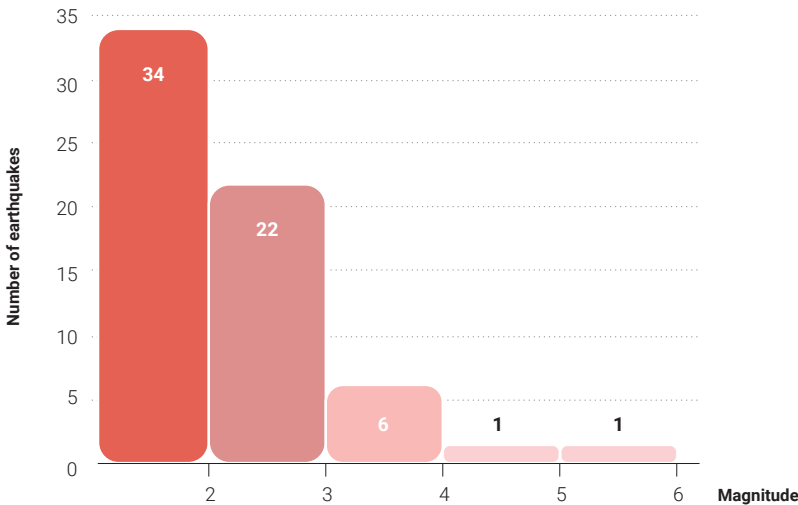
EARTHQUAKE

27.6 Ten strongest earthquakes with the epicentre in the area of the City of Zagreb, 22 March 2020

Date	Time	Magnitude (on the Richter scale)	Intensity (MCS)	Epicentre
22/3/2020	6:24	5.5	VII	Markuševec
22/3/2020	7:01	5.0	VI - VII	Markuševec
22/3/2020	6:29	3.4	IV	Markuševec
22/3/2020	7:41	3.0	IV	Markuševec
22/3/2020	9:04	3.0	IV	Markuševec
22/3/2020	10:11	3.0	IV	Markuševec
22/3/2020	19:00	3.0	III - IV	Markuševec
22/3/2020	6:28	2.8	III - IV	Markuševec
22/3/2020	16:15	2.7	III - IV	Markuševec
22/3/2020	9:10	2.6	III - IV	Markuševec

Source: Faculty of Science, Seismological Service

G 27.7 Earthquake magnitude histogram by magnitude classes, 22 March 2020



27.7 Valid reports for quick inspections of building damage after the earthquake per city districts

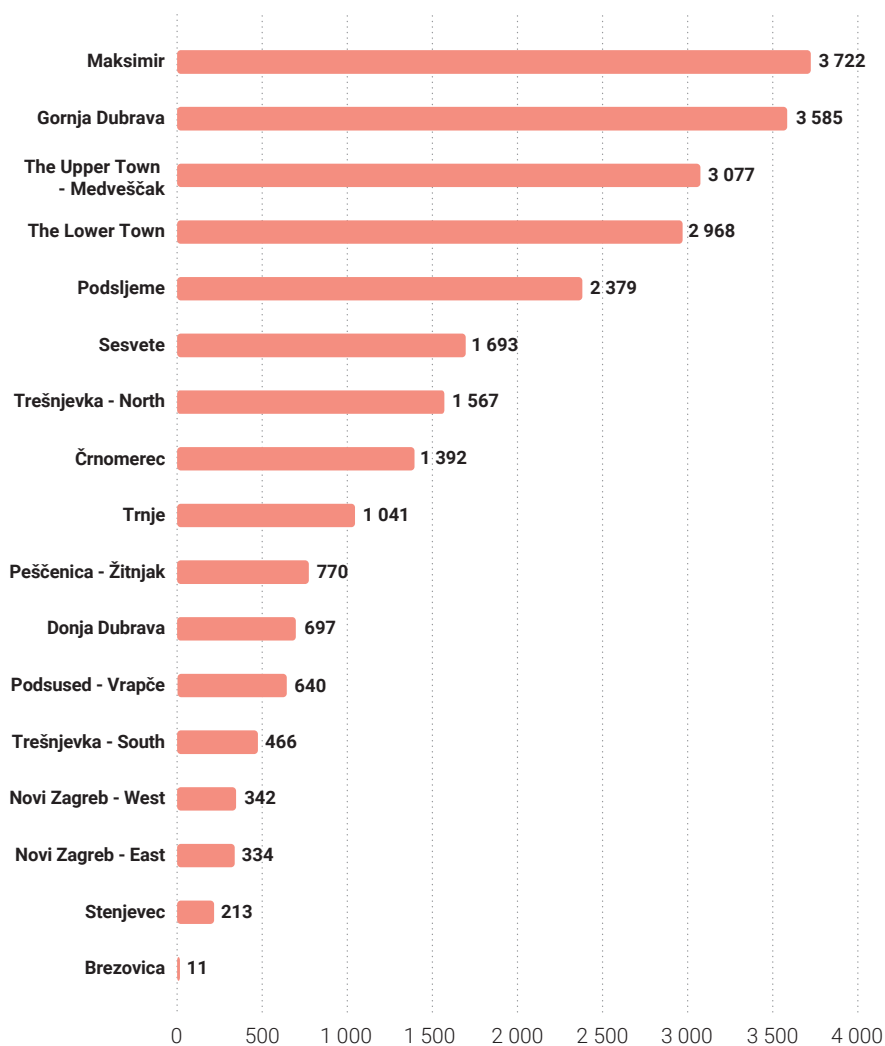
State until 22 September 2020

	Population ¹⁾	Size, km ²	Valid reports for quick inspections	Share of reports according to city district
CITY OF ZAGREB - TOTAL	790 017	641.3	24 897	100.0
The Lower Town	37 024	3.0	2 968	11.9
The Upper Town - Medveščak	30 962	10.2	3 077	12.4
Trnje	42 282	7.4	1 041	4.2
Maksimir	48 902	15.0	3 722	14.9
Peščenica - Žitnjak	56 487	35.3	770	3.1
Novi Zagreb - East	59 055	16.5	334	1.3
Novi Zagreb - West	58 103	62.6	342	1.4
Trešnjevka - North	55 425	5.8	1 567	6.3
Trešnjevka - South	66 674	9.8	466	1.9
Črnomerec	38 546	24.2	1 392	5.6
Gornja Dubrava	61 841	40.3	3 585	14.4
Donja Dubrava	36 363	10.8	697	2.8
Stenjevec	51 390	12.2	213	0.9
Podsused - Vrapče	45 759	36.2	640	2.6
Podsljeme	19 165	59.4	2 379	9.6
Sesvete	70 009	165.3	1 693	6.8
Brezovica	12 030	127.3	11	0.0

¹⁾ 2011 Census

Source: HCPI Croatian Centre for Earthquake Engineering, Faculty of Civil Engineering, Office of Emergency Management, GDI d.o.o., COSPDC

G 27.8 Number of valid reports for quick inspections of building damage by city districts, state until 22 September 2020



27.8 Status of quick inspections of building damage after the earthquake according to city district

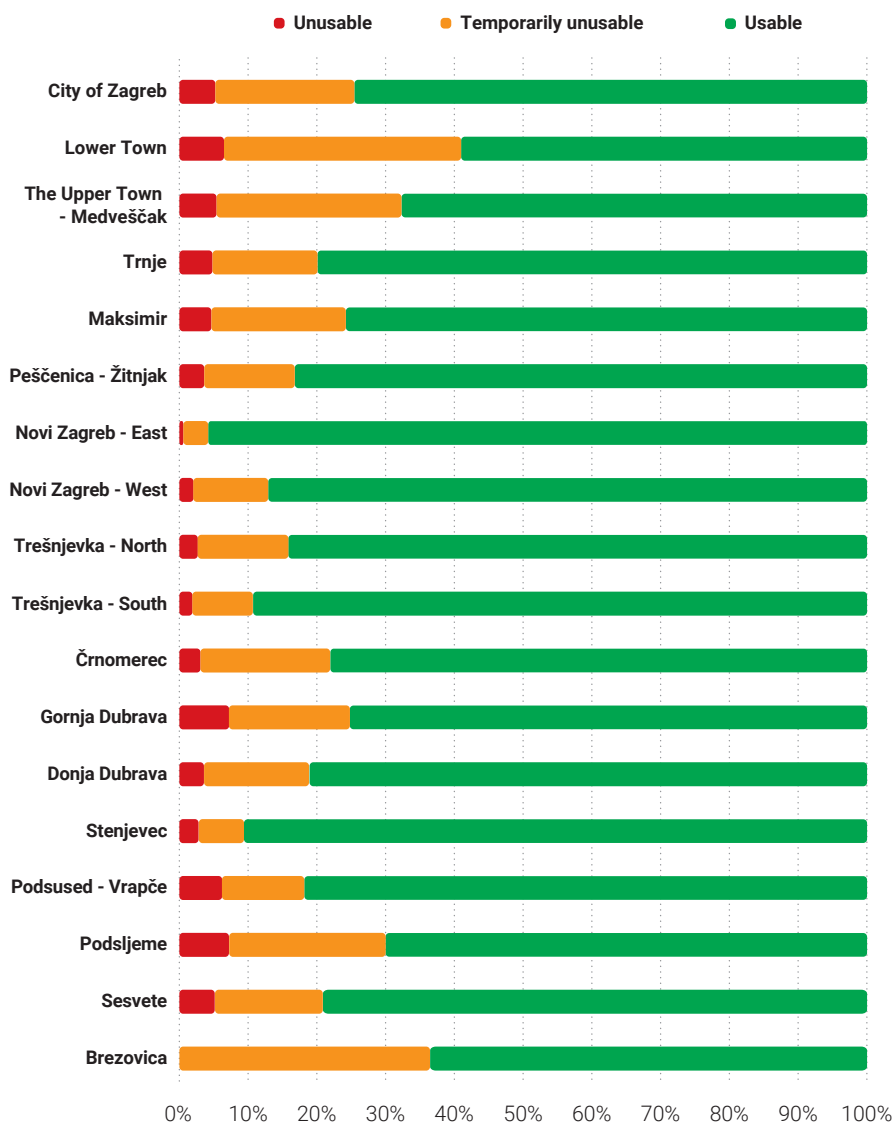
State until 22 September 2020

	Total inspected	Status of quick inspections of building damage after the earthquake		
		Usable	Temporarily unusable	Unusable
CITY OF ZAGREB - TOTAL	24 897	18 573	5 020	1 304
The Lower Town	2 968	1 754	1 022	192
The Upper Town - Medveščak	3 077	2 085	826	166
Trnje	1 041	832	159	50
Maksimir	3 722	2 823	725	174
Peščenica - Žitnjak	770	641	101	28
Novi Zagreb - East	334	320	12	2
Novi Zagreb - West	342	298	37	7
Trešnjevka - North	1 567	1 319	206	42
Trešnjevka - South	466	416	41	9
Čnomerec	1 392	1 088	261	43
Gornja Dubrava	3 585	2 699	627	259
Donja Dubrava	697	565	107	25
Stenjevec	213	193	14	6
Podsused - Vrapče	640	524	76	40
Podsljeme	2 379	1 668	538	173
Sesvete	1 693	1 341	264	88
Brezovica	11	7	4	0

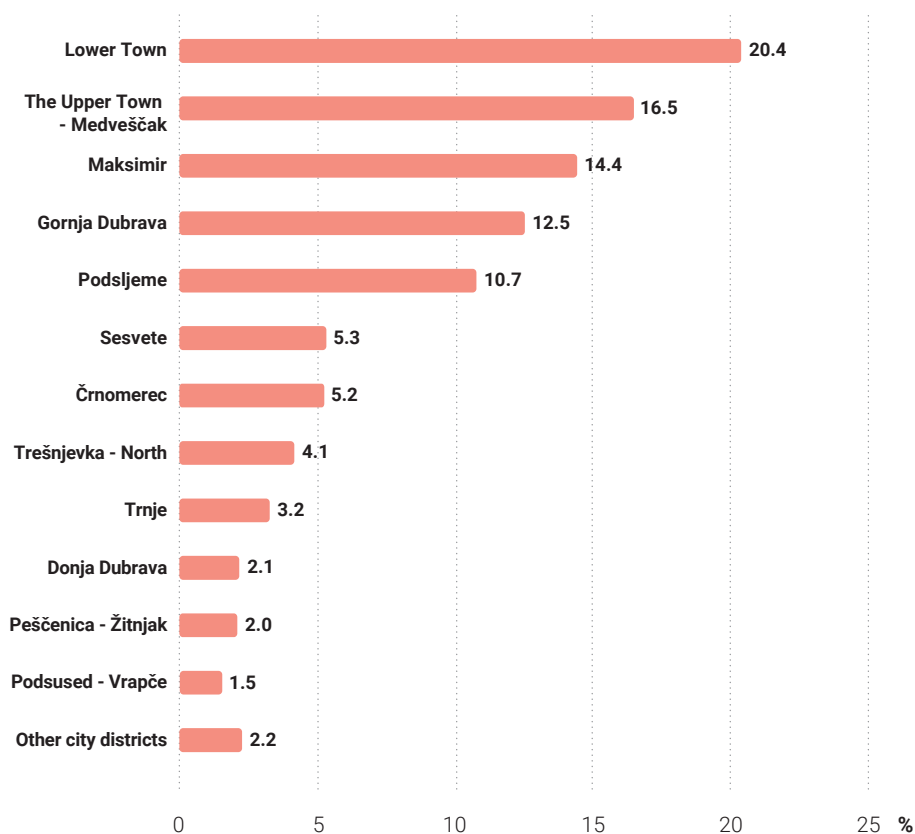
¹⁾ 2011 Census

Source: HCPI Croatian Centre for Earthquake Engineering, Faculty of Civil Engineering, Office of Emergency Management, GDI d.o.o., COSPDC

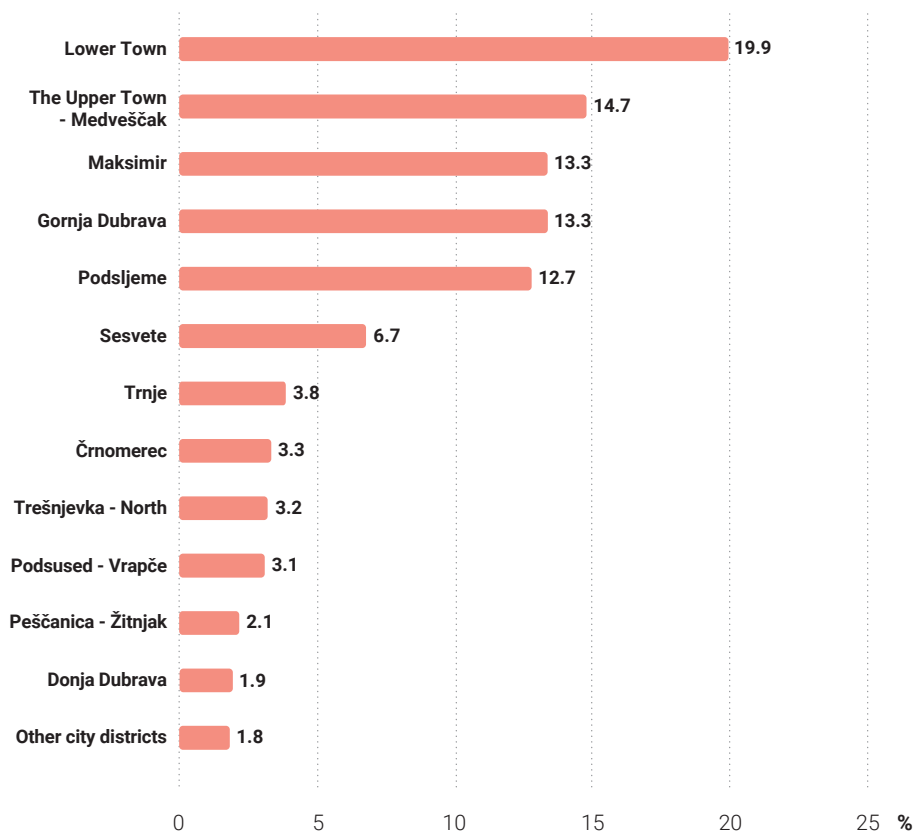
G 27.9 Status of quick inspections of building damage per city districts, state until 22 September 2020



G 27.10 Quick inspections of damage of buildings marked as Temporarily unusable, per city districts, state until 22 September 2020



G 27.11 Quick inspections of damage of buildings marked as Unusable, per city districts, state until 22 September 2020



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- City Institute for the Conservation of Cultural and Natural Heritage
- City of Zagreb, ZG Cycle Unit
- City Office for Agriculture and Forestry
- City Office for Cadastre and Surveying Activities
- City Office for Economy, Energetics and Environment protection
- City Office for Financing
- City Office for Physical Planning, Construction of the City, Utility Services and Transport
- City Office for Social Welfare and Persons with Disabilities
- City Office for Sports and Youth
- City Office for the Local Self-Administration
- Croatian Agricultural Agency
- Croatian Bureau of Statistics
- Croatian Employment Service – Regional Office Zagreb
- Croatian Forest Management Company, Forest Administration, Office Branch in Zagreb
- Croatian Institute for Health Insurance – Directorate of Zagreb
- Croatian Institute for Pension Insurance
- Croatian Institute of Public Health
- Croatian National Bank
- Croatian Post
- Croatian Railways d. o. o. – Passenger Transport
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- HEP – District Heating d. o. o.
- HEP Generation d. o. o.
- Institute for Medical Research and Occupational Health
- Lado – National Folk Dance Ensemble of Croatia
- Meteorological and Hydrological Service
- Ministry of Justice of the Republic of Croatia
- Ministry of the Interior of the Republic of Croatia
- Office for Demography
- Office of international relations and human rights
- Professional service of the Mayor
- Public Fire Department of the City of Zagreb
- Sports Association of the City of Zagreb
- Sports Facilities Management Institution
- Teaching Institute of Emergency Medicine of the City of Zagreb
- The Ministry of Economy and Sustainable Development
- Zagreb Electric Tram d. o. o.
- Zagreb Holding – subsidiary City Cemeteries
- Zagreb Holding – subsidiary Zagreb Bus Station
- Zagreb Holding – subsidiary Zagreb Markets
- Zagreb Holding – subsidiary Zagrebparking
- Zagreb Holding – subsidiary Zrinjevac
- Zagreb Fair d. o. o.
- Zagreb Wastewater d. o. o.
- Zoo of the City of Zagreb
- Water Supply and Drainage d. o. o.

