



STATISTICAL YEARBOOK OF UKRAINE

2019

2019

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Edited by **Ihor Verner**
Responsible for edition is Olena Vyshnevka

The Statistical Yearbook provides data on social and economic situation of Ukraine in 2019 as compared to the previous years. The Yearbook highlights the indicators of the national accounts system, material production, financial and social spheres, population, and statistical indicators of selected countries. Designed for a wide range of users.



State Statistics Service of Ukraine

- address: 3, Shota Rustaveli str., Kyiv–601, 01601, Ukraine
- tel.: 284–31–28
- fax: 235–37–39
- e-mail: office@ukrstat.gov.ua
- website: www.ukrstat.gov.ua

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- address: office 419/2, 4–6, Esplanadna str., Kyiv–601, 01601, Ukraine
- telephone/fax: 287–03–79, 287–67–74
- e-mail: info@iaastat.kiev.ua
- website: www.iaastat.kiev.ua

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FOREWORD

Statistical Yearbook of Ukraine for 2019 contains a wide range of statistical indicators on the country's social and economic situation in 2019 as compared to 2000, 2005, 2010, 2015–2018.

The publication is compiled by the following sections: population and migration, labour market, income and living conditions, communities and housing, education, health care and social protection, culture, leisure, sport and tourism, justice and crime, environment and natural resources, national accounts, government finance and credit, prices, the Unified State Register of Enterprises and Organisations of Ukraine (Business Register), capital assets, energy, industry, agriculture, hunting, forestry, fishery, construction, capital investment, transport and communications, foreign economic activity, domestic trade, information society, activity of enterprises, science and innovations.

In addition, the publication has a separate section, which compares the basic indicators of Ukraine's social and economic development with indicators of selected countries.

Statistical indicators are broken down by type of economic activity, type of product, organisational form as well as region. Some indicators are retrospective. Almost all sections have methodological explanations.

Selected macroeconomic and sector indicators for 2019 are preliminary and will be revised in the forthcoming editions. Some indicators for the previous years have been revised as to those previously published.

The methodology for indicators compilation meets international and European standards, this ensures the possibility to compare them with other countries.

In the publication, information based on the results of the state statistical observations (absolute and relative indicators) for 2014–2019 is presented and compiled excluding the temporarily occupied territory of the Autonomous Republic of Crimea, the city of Sevastopol and a part of temporarily occupied territories in the Donetsk and Luhansk regions. The comparison of the relative indicators is ensured. In addition, information produced according to data from central executive bodies is compiled based on available administrative data. Data on the Donetsk and Luhansk regions present the enterprises, institutions and organisations that submitted reporting to the state statistics bodies.

Please note that the SSSU official website (www.ukrstat.gov.ua) has more information about the country's social and economic situation.

ABBREVIATIONS USED IN THE YEARBOOK

bln. – billion	kV·A – kilovolt-ampere	% – percent
centner (100 kg)	kW – kilowatt	pcs – pieces
cub.m – cubic metre	kW·h – kilowatt-hour	sq.km – square kilometre
dal – dekalitre	L – litre	sq.m – square metre
etc – et cetera	Mcal – mega-calorie	t – tonne
Gcal – giga-calorie	Mpa – mega-pascal	t N – tonne nitrogen
g – gramme	m – metre	thsd. – thousand
h – hour	mg – milligram	tkm – tonne-kilometre
ha – hectare	mm – millimetre	trln. – trillion
kg – kilogramme	mln. – million	UAH – Ukrainian hryvnya
kcal – kilo-calorie	µg – microgramme	USD – dollar of USA
km – kilometre	n.i.e. – not included elsewhere	
KRB – karbovanets	n.e.c. – non elsewhere classified	

CONVENTIONAL SYMBOLS USED IN THE YEARBOOK

Dash (—)	– not observed
Dots (...)	– not available
Symbol (c)	– data are not published in order to ensure compliance with the requirements of the Law of Ukraine <i>On the State Statistics</i> regarding confidentiality of statistical information
Symbol (x)	– not applicable
Zero (0; 0,0)	– data are very negligible for the units of measurement
“of which”, “including”	– not all components of the total sum are given. There are cases when all components of the total sum are given, however when rounding the sum of the components may not equal the total

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1. BASIC GEOPOLITICAL AND ECONOMIC CHARACTERISTICS

1.1. Geographical and political characteristics

Ukraine is an Eastern European state washed with the Black and Azov seas to the South.

Present population as of January 1, 2020	41,9 mln. (excluding the temporary occupied territory of the Autonomous Republic of Crimea and the city of Sevastopol)
Area	603,5 thsd.sq.km (State Service on Geodesy, Cartography and Cadaster of Ukraine)
Length	
from West to East	1316 km
from North to South	893 km
of borders	6993,63 km
Extreme border locations	
Northern	Hremiach Village (Chernihiv oblast)
Southern	Sarych Cape (Autonomous Republic of Crimea)
Western	neighbourhood Chop city (Zakarpattya oblast)
Eastern	Village Rannya Zorya (<i>formerly</i> Chervona Zirka (Luhansk oblast)) ¹

Neighbouring countries

Poland; Slovakia; Hungary; Romania; Moldova, Republic of; Russian Federation; Belarus.

Climate

The Eastern European Plain (95% of the area), together with Ukrainian Carpathians and Crimean Mountains (5% of the area) have mainly a temperate continental climate. The Southern Crimean climate has subtropical features.

Annual rainfall in 2019

(source: the Ukrainian Hydrometeorological center; mm)

Steppe	430	Forest	592
Forest-steppe	461	Kyiv city	525

Air temperature

(source: the Ukrainian Hydrometeorological center; °C)

Average monthly air temperature in 2019

	January	July
Steppe	-2,7	21,9
Forest-steppe	-4,6	19,6
Forest	-3,7	18,8
Kyiv city	-4,5	19,7

The absolute minimum of air temperature in 2019 – minus 26° – was observed in January in the Cherkasy regions.

The absolute maximum of air temperature in 2019 – plus 39° – was observed in July in the Mykolayiv regions.

Biggest rivers

(length within the borders of Ukraine; km)

Dnipro	1121	Inhulets	549
Dnister	925	Psel	520
Pivdennyi Buh	806	Sluch	451
Siverskyi Donets	700	Styr	424
Horyn'	577	Zakhidnyi Buh	401
Desna	575	Oril'	346

BASIC GEOPOLITICAL AND ECONOMIC CHARACTERISTICS

Biggest lakes and estuaries

(sq.km of water surface)

Lakes		Estuaries	
Yalpuh	149	Dniprovskiyi	800
Kagul	90	Utlyutskiyi	700
Kugurluy	82	Dnistrovskiyi	360
Sasyk	75,3	Sasyk (Kunduk)	210
Katlabuh	68	Molochnyi	168
		Buzkyi	162
		Tylihulskiyi	80

Highest mountain peaks

(m)

Ukrainian Carpathians		Crimean Mountains	
Hoverla	2061	Roman-Kosh	1545
Brebeneskul	2032	Demir-Kapu	1540
Petros	2020	Zeytin-Kosh	1534
Hutyn Tomnatyk	2016	Kemal-Egerek	1530
Rebra	2001	Eklizi-Burun	1527
Pip Ivan	1936	Angara-Burun	1453

¹ See the footnote to Table 10.9

This geographic note was compiled on the basis of the *National Atlas of Ukraine* (Kyiv: SSPE Kartographia, 2007).

Political system

On 28 June, 1996 the Constitution was adopted, which gave Ukraine the status of a republic. The country includes the Autonomous Republic of Crimea and 24 administrative regions (oblasts), Kyiv and Sevastopol cities. These cities have special status prescribed by Ukraine's laws.

The head of the State is the President who executes his authority on its behalf. The President is elected by Ukrainian citizens by equal vote and direct countrywide elections for the period of five years and not more than two consecutive terms.

The integral legislative body is the Parliament – the Verkhovna Rada of Ukraine.

The top executive authority is the Cabinet of Ministers of Ukraine.

Sovereignty and the only source of the government power belong to the people of Ukraine.

The main public holiday is Independence Day – 24 August.

1.2. Religious organisations

(source: the Ministry of Culture and Information Policy of Ukraine; beginning of year)

	2001	2006	2011	2016	2017	2018	2019	2020
Total	24311	30507	33977	35709	35919	36184	36739	36796
Centers, departments (eparchies, dioceses, etc)	241	299	362	378	380	384	391	390
Communities	23400	29262	32521	34183	34385	34637	35162	35210
Monasteries	277	386	459	516	515	522	531	536
Missions	214	309	357	359	365	367	368	369
Brotherhoods	53	76	78	75	72	72	83	84
Theological schools	126	175	200	198	202	202	204	207
Number of clergy	22626	28431	30199	31851	31451	31952	32619	32996
Number of Sunday schools	7684	12522	12762	12171	12922	13282	13195	13134

Of the total religious organisations as of January 1, 2020, 19778 were Orthodox, 5269 Catholic, 10635 Protestant, 372 communities of Judaic denomination, 286 Moslem, 166 of Eastern cults and 290 other. In addition, 1728 religious organisations operated unofficially.

BASIC GEOPOLITICAL AND ECONOMIC CHARACTERISTICS

1.3. Administrative and territorial units, by region

(source: Verkhovna Rada of Ukraine official web portal;
as of January 1, 2020)

	Rayons	United territorial communities	Cities and towns		City districts	Townships	Villages
			total	of which have special, republican and oblast status			
Ukraine	490	841	461	189	108	882	28376
Autonomous Republic of Crimea	14	—	16	11	3	56	947
oblasts							
Vinnycsya	27	41	18	6	—	29	1456
Volyn	16	51	11	4	—	22	1054
Dnipropetrovsk	22	62	20	13	18	45	1436
Donetsk	18	12	52	28	21	131	1115
Zhytomyr	23	51	12	5	2	43	1613
Zakarpattya	13	7	11	5	—	19	578
Zaporizhzhya	20	56	14	5	7	22	914
Ivano-Frankivsk	14	37	15	6	—	24	765
Kyiv	25	9	26	13	—	30	1126
Kirovohrad	21	5	12	4	2	27	991
Luhansk	18	12	37	14	4	109	780
Lviv	20	29	44	9	6	34	1850
Mykolayiv	19	41	9	5	4	17	885
Odesa	26	30	19	9	4	33	1123
Poltava	25	54	16	6	5	20	1805
Rivne	16	34	11	4	—	16	999
Sumy	18	38	15	7	2	20	1455
Ternopil	17	51	18	4	—	17	1023
Kharkiv	27	19	17	7	9	61	1 673
Kherson	18	30	9	4	3	31	658
Khmelnyskiy	20	47	13	6	—	24	1414
Cherkasy	20	54	16	6	2	14	824
Chernivtsi	11	27	11	2	—	8	398
Chernihiv	22	44	16	4	2	29	1465
cities							
Kyiv	—	—	1	1	10	—	—
Sevastopol ¹	—	—	2	1	4	1	29

¹ Including the town of Inkerman, Kacha township and village councils that are subordinated to the city council

BASIC GEOPOLITICAL AND ECONOMIC CHARACTERISTICS

1.4. Basic social and economic indicators

	2000	2005	2010	2015	2016	2017	2018	2019
Gross domestic product (at current prices) ¹ , bln. UAH	176,1	457,3	1120,6	1988,5	2385,4	2983,9	3560,6	3974,6
per capita ¹ , UAH	3582	9709	24429	46413	55899	70233	84235	94570
Capital assets (initial (revalued), end of year), bln. UAH	829	1276	6649	7641	8177	7734	9610	9574
Population income, bln. UAH	128,7	381,4	1101,2	1772,0 ¹	2051,3 ¹	2652,1 ¹	3248,7 ¹	3699,3 ¹
Consumer price index (Dec. over Dec. of the previous year), percent	125,8	110,3	109,1	143,3	112,4	113,7	109,8	104,1
Industrial producer price index (Dec. over Dec. of the previous year), percent	120,8	109,5	118,7	125,4	135,7	116,5	114,2	92,6
Price indices for agricultural products sold by enterprises (of the previous year), percent	155,8	108,1	130,0	154,5	109,0	111,5	109,3	92,4
Consolidated budget, bln. UAH								
Revenue	49,1	134,2	314,5	652,0	782,9	1017,0	1184,3	1289,8
Expenditure	48,2	141,7	377,8	679,9	835,8	1057,0	1250,2	1372,4
Lending	-0,1	0,3	1,3	3,1	1,8	2,1	1,9	4,8
Excess of expenditure over revenue (deficit)	-1,0	7,8	64,7	30,9	54,8	42,1	67,8	87,3
Financial outcome before taxation ² , bln. UAH	13,9	64,4	58,3	-340,1	-22,2	274,8	429,1	671,9
Industrial products sold, bln. UAH	...	...	1065,8	1776,6	2158,0	2625,9	3045,2	2938,8
Capital investment, bln. UAH	...	111,2 ³	189,1	273,1	359,2	448,5	578,7	624,0
Total area of residential buildings put into service, mln.sq.m	5,6	7,8	9,3 ⁴	11,0 ⁴	9,4 ⁴	9,2 ⁴	8,7 ⁴	11,0 ⁴

BASIC GEOPOLITICAL AND ECONOMIC CHARACTERISTICS

Table 1.4 continued

	2000	2005	2010	2015	2016	2017	2018	2019
Freight shipped by all type of carriers ⁵ , bln.t	1,5	1,8	1,8	1,5	1,5	1,6	1,6	1,6
Passenger departure (transportation) by transport of general use ⁶ , bln.	7,8	8,2	6,8	5,2	4,9	4,6	4,5	4,3
Exports of goods and services ⁷ , bln. USD	18,0	40,2	62,8	46,8	45,1	52,6	57,3	64,0
Imports of goods and services ⁷ , bln. USD	15,1	39,1	66,2	43,0	44,6	55,1	63,5	67,7
Resident population (end of year), mln.	48,7	46,7	45,6	42,6	42,4	42,2	42,0	41,7
Natural increase, decrease (-) in population, thsd.	-373,0	-355,9	-200,5	-183,0	-186,6	-210,1	-251,8	-272,3
Total employed, aged 15–70, thsd.	20175,0	20680,0	20266,0	16443,2	16276,9	16156,4	16360,9	16578,3
Unemployed, aged 15–70 (ILO methodology), thsd.	2655,8	1600,8	1785,6	1654,7	1678,2	1698,0	1578,6	1487,7
Unemployment rate, aged 15–70 (ILO methodology), percent	11,6	7,2	8,1	9,1	9,3	9,5	8,8	8,2
Average monthly nominal wages ⁸ , UAH	230	806	2239	4195	5183	7104	8865	10497

¹ The compilations are made in line with the *Methodological explanations on the updated version of the SNA 2008* (SSSU Decree 398 of December 17, 2013)

² For 2000 and 2005, financial outcome from usual activity before taxation

³ Including VAT

⁴ See the footnote to Table 19.4

⁵ Since 2005, including commercial cargo transportation by natural persons-entrepreneurs

⁶ Including automobile passenger transportation by small businesses (natural and legal persons)

⁷ Volumes of exports/imports of goods and services have been revised according to the Technique for retrospective re-calculation of value of services for processing in external economic activity (SSSU decree N 419 of December 31, 2014)

⁸ For 2000 and 2005, data on legal persons and separate units of legal persons are presented taking into account the qualification requirement for the number of the employees, since 2010 data on legal persons and separate units of legal persons with the number of employees equaling 10 and more are given

BASIC GEOPOLITICAL AND ECONOMIC CHARACTERISTICS

1.5. Indices of basic social and economic indicators

(percent of the previous year)

	2000	2005	2010	2015	2016	2017	2018	2019
Gross domestic product (at the prices of the previous year)	105,9	103,1 ¹	104,1 ¹	90,2 ¹	102,4 ¹	102,5 ¹	103,4 ¹	103,2 ¹
per capita	106,7	103,8 ¹	104,5 ¹	90,6 ¹	102,9 ¹	102,9 ¹	103,9 ¹	103,8 ¹
Population income	104,1	123,9	117,1	79,6 ¹	102,0 ¹	110,9 ¹	109,9 ¹	106,5 ¹
Financial outcome before taxation ²	...	144,4	×	×	×	×	156,1	156,6
Industrial production ³	113,2	103,1	112,0	87,7	104,0	101,1	103,0	99,5
Agricultural production	109,8	100,1	98,5	95,2	106,3	97,8	108,2	101,4
Capital investment ⁴	...	...	...	98,3	118,0	122,1	116,4	115,5
Total area of residential buildings put into service	90,4	103,3	145,9	113,4	84,8	110,5	94,3	126,9
Freight shipped by all type of carriers	99,5	104,3	108,7	90,8	104,6	102,6	103,9	96,1
Passenger departure (transportation) by transport of general use	98,3	102,5	94,1	87,5	93,9	100,3	96,5	95,0
Turnover of retail trade ⁵	106,6	122,4	109,8	80,2	104,3	106,5	106,2	110,3
Exports of goods and services	×	106,2	128,0	73,0	96,4	116,6	108,9	111,8
Imports of goods and services	×	125,8	130,8	70,7	103,7	123,6	115,3	106,7
Resident population (end of year)	99,1	99,3	99,6	99,6	99,6	99,5	99,4	99,4
Total employed, aged 15–70	101,1	101,9	100,4	... ⁶	99,0	99,3	101,3	101,3
Unemployed, aged 15–70 (ILO methodology)	101,6	84,0	91,2	... ⁶	101,4	101,2	93,0	94,2
Average monthly wages								
Nominal	129,6	136,7	120,0	120,5	123,6	137,1	124,8	118,4
Real	99,1	120,3	110,2	79,8	109,0	119,1	112,5	109,8

¹ See the first footnote to Table 1.4

² In 2000 and 2005, financial outcome from usual activity before taxation

³ See methodology notes to Chapter 17

⁴ See methodology notes to Chapter 20

⁵ Before 2016 inclusive, data include legal persons and natural persons-entrepreneurs who were engaged in retail trade; since 2017, legal persons and natural persons-entrepreneurs whose main type of economic activity is retail trade. See methodological explanations to section 23

⁶ Data comparisons are impossible due to changes in survey organisation

2. POPULATION AND MIGRATION

Present population consists of those who are at the time of the census reside at a given location, including persons living temporarily at the location (provided their absence at permanent place of residence is no more than 12 months).

Resident population consists of those who permanently live at a given location at the time of the census, including those who are temporarily absent, if their absence at permanent place of residence does not exceed 12 months.

Urban and rural population. The urban population is the population who resides in urban type settlements. The rural population is the population who resides in rural type settlements. Urban type settlements are cities and townships whereas the rural ones are villages and communities.

Data on the number of the population as of January 1, 2015/2019 are given excluding the temporarily occupied territory of the Autonomous Republic of Crimea and the city of Sevastopol. The calculations (estimates) of the number of the population are based on available administrative data on the state registration of birth and death and change in registration of place of residence.

Information on the number of live births, deaths, those who arrived, those who departed, marriages and disrupted marriages for 2014/2019 is presented excluding the Autonomous Republic of Crimea and the city of Sevastopol and a part of the temporary occupied territories in the Donetsk and Luhansk regions.

Due to lack of information, the relative indicators of population reproduction, marriage and divorce rates, birth and death rates for Ukraine for 2015/2019 have been calculated excluding the relevant data the

temporarily occupied territory of the Autonomous Republic of Crimea, the city of Sevastopol and data in the Donetsk and Luhansk regions.

The number of pensioners is the number of people at the beginning of the year, who are assigned a monthly cash payment for their existence on the conditions provided by law.

Age is the period from the birth of a person till one or another moment of life. It is defined by the number of full years that a person lived at that moment.

Population age group is a set of persons of a certain age.

Information about births, deaths and marriage rates is compiled basing on births, deaths and marriages vital records, which are completed by the civil registries.

Information about divorces before 2011 has been compiled basing on vital records about the end of marriage which are filled in by civil registries. Since 2011, information about divorces is compiled on the basis of available administrative data on the state registration of marriage annulments and data from the State Judicial Administration of Ukraine.

Natural increase (decrease) in the population is the difference between the number of live births and deaths.

Crude birth, death, marriage, divorce, natural increase (decrease) rates are the ratio of the relevant number of live births, deaths, registered marriages, disrupted marriages, natural increase (decrease) in the population during the calendar year to average annual number of available population.

Birth rates by age group (age specific birth rates) are the ratio of the number of live births during the year born to women of this

age group to average annual number of women at this age. While defining the indicators of age group that is younger than 20 years, the number of women aged 15–19 is conditionally taken. The compilation of indicators for age group 15–49 year old is made taking into account the children born to women over the age of 49 years and under the age of 15 years.

Aggregate birth rate shows the average number of children that could have been born to one woman during the total reproduction period (15–49 year old) while preserving at every age the birth rate of that year for which the age coefficients have been calculated. Aggregated birth rate is calculated as a sum of age specific birth rates for the age groups in interval 15–49 years.

Death rates by cause is the ratio of the number of deaths from the indicated death causes to average annual number of available population.

Population death rates by age group (age specific death rates) is the ratio of the number of dead persons of specific age group to average annual number of resident population in this age group.

Death rate for infants under 1 year old is the ratio of the number of the dead under 1 year old to the number of live births.

Average life expectancy at birth is the average number of years that live births would live provided that the death rates were the same as they had been for a year of calculation.

Average life expectancy of the population after reaching an exact age is the average number of years that could be lived by those who have lived to a certain age provided that the age specific death rates remain the same as they had been for a year of calculation.

Migration increase (decrease) in the population is the difference between those who arrived to a certain territory and those who departed outside it. Information on migration is compiled according to data on registration/deregistration of place of residence which are provided by registration bodies (executive bodies of rural, village or city council, rural heads (if the executive body of rural council was not set up in line with the legislation)).

POPULATION AND MIGRATION

2.1. Population¹

	2001	2002 ¹	2006	2011	2016	2017	2018	2019	2020
Present population, mln.	48,9	48,5	46,9	45,8	42,8	42,6	42,4	42,2	41,9
urban	32,9	32,6	31,9	31,5	29,6	29,5	29,4	29,3	29,1
rural	16,0	15,9	15,0	14,3	13,2	13,1	13,0	12,9	12,8
percentage of total population									
urban	67,4	67,2	67,9	68,7	69,2	69,2	69,3	69,4	69,5
rural	32,6	32,8	32,1	31,3	30,8	30,8	30,7	30,6	30,5
Resident population, mln.	48,7	48,2	46,7	45,6	42,6	42,4	42,2	42,0	41,7
males	22,5	22,3	21,6	21,0	19,7	19,6	19,5	19,5	19,3
females	26,2	25,9	25,1	24,6	22,9	22,8	22,7	22,5	22,4
percentage of total population									
males	46,3	46,3	46,1	46,1	46,3	46,3	46,3	46,3	46,3
females	53,7	53,7	53,9	53,9	53,7	53,7	53,7	53,7	53,7

¹ Data of the All-Ukrainian Population Census as of December 5, 2001; for other years, as of January 1

2.2. Present population in 1939–2019¹

	Population, mln.			Share of the total population, percent	
	total	urban	rural	urban	rural
1939	40,5	13,6	26,9	33,6	66,4
1959	41,9	19,2	22,7	45,8	54,2
1970	47,1	25,7	21,4	54,5	45,5
1979	49,8	30,5	19,3	61,3	38,7
1989	51,7	34,6	17,1	66,9	33,1
1991	51,9	35,1	16,8	67,5	32,5
1996	51,3	34,8	16,5	67,8	32,2
2001	48,9	32,9	16,0	67,4	32,6
2002	48,5	32,6	15,9	67,2	32,8
2006	46,9	31,9	15,0	67,9	32,1
2011	45,8	31,5	14,3	68,7	31,3
2016	42,8	29,6	13,2	69,2	30,8
2017	42,6	29,5	13,1	69,2	30,8
2018	42,4	29,4	13,0	69,3	30,7
2019	42,2	29,3	12,9	69,4	30,6
2020	41,9	29,1	12,8	69,5	30,5

¹ The population statistics for 1939 is given within the current boundaries of Ukraine's territory, for 1959 and 1970 the population data are derived from the Census as of January 15, for 1979 as of January 17, for 1989 as of January 12, for 2002 as of December 5, 2001 and for other years, as of January 1

POPULATION AND MIGRATION

2.3. Present population, by region

(as of January 1, 2020)

	Population, thsd.			Share of urban population in total, percent
	total	urban	rural	
Ukraine	41902,4	29139,3	12763,1	69,54
Autonomous Republic of Crimea	...	...	...	...
oblasts				
Vinnnytsya	1545,4	799,4	746,0	51,73
Volyn	1031,4	539,2	492,2	52,28
Dnipropetrovsk	3176,6	2668,7	507,9	84,01
Donetsk	4131,8	3754,3	377,5	90,86
Zhytomyr	1208,2	716,5	491,7	59,30
Zakarpattya	1253,8	465,9	787,9	37,16
Zaporizhzhya	1687,4	1306,2	381,2	77,41
Ivano-Frankivsk	1368,1	606,8	761,3	44,35
Kyiv	1781,1	1105,4	675,7	62,06
Kirovohrad	933,1	591,9	341,2	63,44
Luhansk	2135,9	1859,6	276,3	87,06
Lviv	2512,1	1534,1	978,0	61,07
Mykolayiv	1119,9	768,0	351,9	68,58
Odesa	2377,2	1597,0	780,2	67,18
Poltava	1387,0	867,2	519,8	62,52
Rivne	1153,0	548,1	604,9	47,54
Sumy	1068,2	741,4	326,8	69,41
Ternopil	1038,7	473,7	565,0	45,61
Kharkiv	2658,5	2158,1	500,4	81,18
Kherson	1027,9	631,3	396,6	61,42
Khmelnytskyi	1254,7	720,8	533,9	57,44
Cherkasy	1192,1	678,7	513,4	56,93
Chernivtsi	901,6	390,5	511,1	43,32
Chernihiv	991,3	649,1	342,2	65,48
cities				
Kyiv	2967,4	2967,4	×	100,0
Sevastopol

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2.4. Resident population, by sex and region

(persons)

	2002 ¹		2020 ¹		Males per 1000 females	
	males	females	males	females	2002 ¹	2020 ¹
Ukraine	22316317	25924585	19343440	22389339	861	864
Autonomous Republic of Crimea	931439	1092617	...	...	852	...
oblasts						
Vinnnytsya	804747	959197	712703	825628	839	863
Volyn	497646	559568	485730	542963	889	895
Dnipropetrovsk	1638504	1922720	1449164	1724175	852	840
Donetsk	2210403	2615160	1871273	2247650	845	833
Zhytomyr	644360	744933	563137	645844	865	872
Zakarpattya	604150	650464	601520	649438	929	926
Zaporizhzhya	884153	1042657	770113	916499	848	840
Ivano-Frankivsk	663275	742854	645801	719570	893	897
Kyiv	841463	979598	813798	961467	859	846
Kirovohrad	516610	609094	427496	499198	848	856
Luhansk	1167914	1372277	976572	1154744	851	846
Lviv	1234896	1371060	1181600	1312114	901	901
Mykolayiv	586770	676129	518936	600211	868	865
Odesa	1148820	1306846	1114759	1251411	879	891
Poltava	742204	879003	636886	742254	844	858
Rivne	554413	617032	547302	604599	899	905
Sumy	592005	704758	489387	576668	840	849
Ternopil	527953	610547	484671	550773	865	880
Kharkiv	1328884	1566929	1225517	1417308	848	865
Kherson	546638	626051	476611	549870	873	867
Khmelnyskiy	657285	769364	581726	669813	854	868
Cherkasy	635822	762491	546387	642121	834	851
Chernivtsi	430047	488981	423352	475215	879	891
Chernihiv	560445	675620	447037	535715	830	834
cities						
Kyiv	1193356	1373597	1351962	1574091	869	859
Sevastopol	172115	205038	...	...	839	...

¹ For 2002, data of the Census as of December 5, 2001, for 2020, as of January 1

POPULATION AND MIGRATION

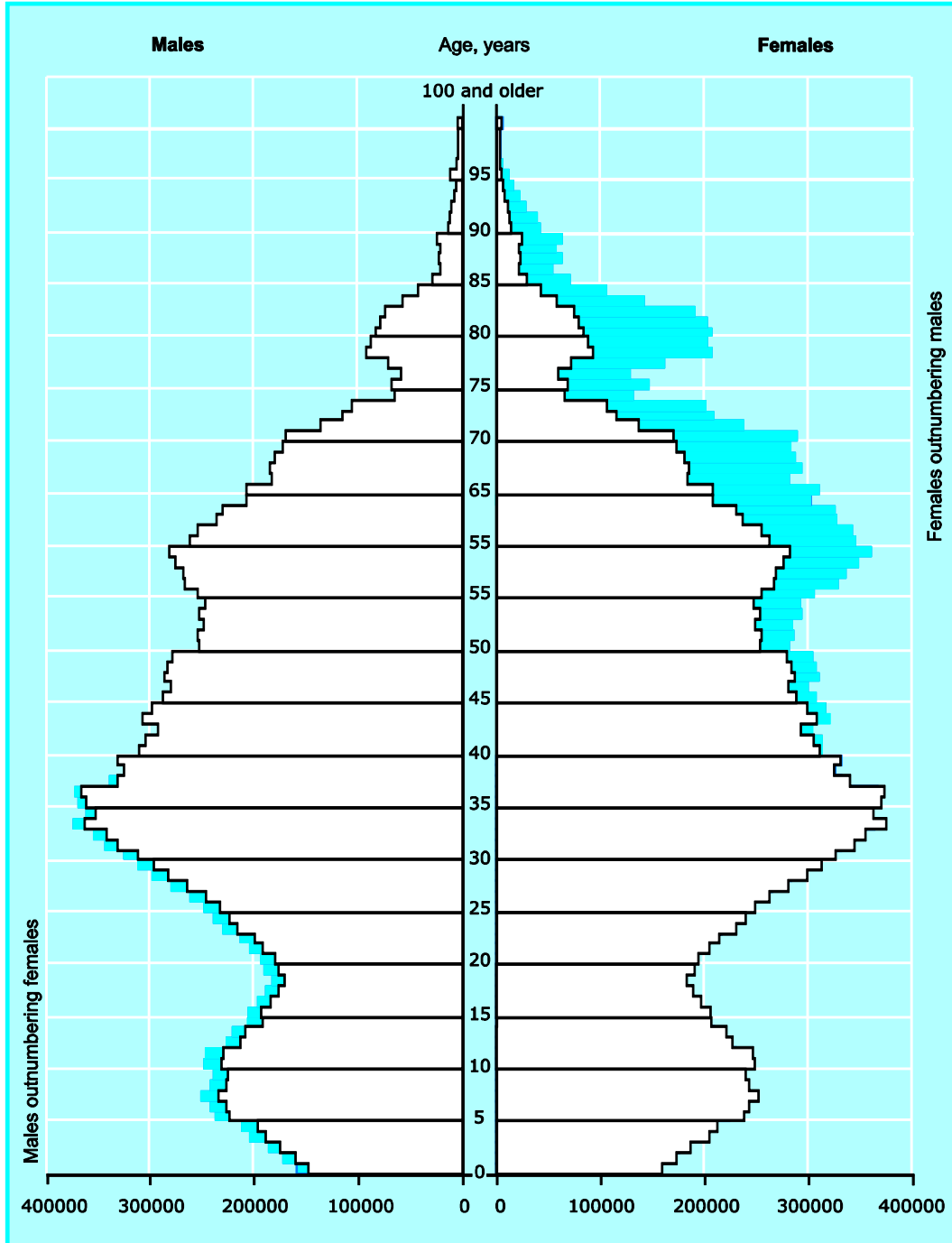
2.5. Resident population, by age group

(as of January 1, 2020)

	Total population, persons			Share of total population, percent		
	total	urban	rural	total	urban	rural
Total population	41732779	28900533	12832246	100,0	100,0	100,0
by age, years						
under 1	307306	199664	107642	0,7	0,7	0,8
1–4	1498330	979013	519317	3,6	3,4	4,0
5–9	2354802	1561345	793457	5,6	5,4	6,2
10–14	2226318	1498315	728003	5,3	5,2	5,7
15–19	1869743	1258750	610993	4,5	4,4	4,8
20–24	2094913	1367522	727391	5,0	4,7	5,7
25–29	2728630	1816732	911898	6,5	6,3	7,1
30–34	3463288	2447018	1016270	8,3	8,5	7,9
35–39	3455039	2607912	847127	8,3	9,0	6,6
40–44	3083056	2225028	858028	7,4	7,7	6,7
45–49	2950232	2063944	886288	7,1	7,1	6,9
50–54	2695515	1840483	855032	6,5	6,4	6,7
55–59	3027413	2117723	909690	7,3	7,3	7,1
60–64	2831695	2008458	823237	6,8	6,9	6,4
65–69	2385967	1725527	660440	5,7	6,0	5,1
70 and older	4760532	3183099	1577433	11,4	11,0	12,3
Of total population, years						
0–14	6386756	4238337	2148419	15,3	14,7	16,8
15–64	28199524	19753570	8445954	67,6	68,3	65,8
16–59	24968071	17472717	7495354	59,8	60,5	58,4
18 and older	34198849	23883921	10314928	81,9	82,6	80,4
60 and older	9978194	6917084	3061110	23,9	23,9	23,9
65 and older	7146499	4908626	2237873	17,1	17,0	17,4

2.6. Resident population, by sex and age

(as of January 1, 2020; persons)



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2.7. Resident population, by main age group and region

(as of January 1, 2020)

	Total population, persons	By age					
		0–14 years	15–64 years	16–59 years	18 years and older	60 years and older	65 years and older
Ukraine	41732779	6386756	28199524	24968071	34198849	9978194	7146499
Autonomous Republic of Crimea	...	...	...	...	...	...	...
oblasts							
Vinnysya	1538331	238349	1026619	912049	1255661	372704	273363
Volyn	1028693	202551	690551	615132	791379	198719	135591
Dnipropetrovsk	3173339	489831	2134418	1886227	2597622	766700	549090
Donetsk	4118923	476851	2749344	2399960	3546437	1207759	892728
Zhytomyr	1208981	199479	807981	716725	973418	279997	201521
Zakarpattia	1250958	247844	851898	764162	960261	223888	151216
Zaporizhzhya	1686612	245913	1135780	999453	1396108	425618	304919
Ivano-Frankivsk	1365371	232494	937040	834614	1090591	283458	195837
Kyiv	1775265	306808	1196118	1065506	1421989	385936	272339
Kirovohrad	926694	139235	616359	546461	762241	232103	171100
Luhansk	2131316	219127	1437628	1247912	1863374	647203	474561
Lviv	2493714	408567	1712504	1521338	2010122	538048	372643
Mykolayiv	1119147	173024	758251	671193	915244	264211	187872
Odesa	2366170	402046	1588002	1418188	1897350	522647	376122
Poltava	1379140	196761	934480	829750	1147865	340816	247899
Rivne	1151901	235598	771200	686929	876020	215154	145103
Sumy	1066055	140635	727785	639560	899845	277018	197635
Ternopil	1035444	163387	710455	630365	841264	230949	161602
Kharkiv	2642825	363724	1824225	1618587	2211922	638101	454876
Kherson	1026481	165609	692559	612481	831655	238376	168313
Khmelnyskiy	1251539	197850	837365	739383	1018440	301944	216324
Cherkasy	1188508	165501	797206	705959	992846	306714	225801
Chernivtsi	898567	155327	613400	549162	715445	184400	129840
Chernihiv	982752	132966	654262	572342	825164	268863	195524
cities							
Kyiv	2926053	487279	1994094	1784633	2356586	626868	444680
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2.8. Pensioners¹

(source: by Pension Fund of Ukraine; as of January 1)

	2001	2006	2011	2016	2017	2018	2019	2020
Total pensioners, thsd.	14447	14050	13738	12296	11956	11725	11470	11335
retired by age	10299	10596	10587	9408	9116	8922	8693	8535
retired due to disability	2015	1605	1491	1400	1395	1401	1415	1454
survivors who lost their benefactor entitled to pension for long service	1150	852	847	726	694	663	646	649
entitled to welfare pensions	552	627	654	660	654	646	629	616
judges in resignation which receive the lifetime monetary maintenance	431	370	158	101	95	90	84	78
	...	...	1	1	3	3	3	3

¹ Here and elsewhere (Table 2.9), information on the number of pensioners of all categories (civilian and military pensioners) is provided

As of January 1, 2020, there were 4374 thsd. pensioners who lived in rural areas, which amounted to 38,6% of those registered at the Pension Fund of Ukraine bodies.

2.9. Pensioners, by region

(source: by Pension Fund of Ukraine; as of January 1, 2020)

	Total, persons	Including					
		old age pensions	disability pensions	survivors' pensions	long service pensions	welfare pensions	judges in resignation which receive the lifelong monetary maintenance
Ukraine	11334730	8534558	1454500	648622	616040	77632	3378
Autonomous Republic of Crimea	...	...	...	...	...	...	...
oblasts							
Vinnnytsya	460902	339045	68533	23756	26320	3126	122
Volyn	265100	184764	45547	19202	13776	1741	70
Dnipropetrovsk	944617	755011	76583	61453	45543	5788	239
Donetsk	826362	646180	80153	64174	31231	4424	200
Zhytomyr	375384	258843	65435	25588	23139	2269	110
Zakarpattya	269730	197664	38125	14647	15155	4082	57
Zaporizhzhya	532127	421371	53519	28927	24370	3753	187
Ivano-Frankivsk	350354	255865	58506	17510	14480	3906	87
Kyiv	554965	424041	72400	27496	27299	3610	119
Kirovohrad	273560	208173	30658	16401	15820	2414	94
Luhansk	346305	278546	26333	23904	15973	1454	95
Lviv	684341	489785	115132	42792	32806	3709	117
Mykolayiv	311637	235825	35000	18610	20187	1905	110
Odesa	599773	435058	85092	32942	41826	4641	214
Poltava	430613	320143	57823	24785	25214	2517	131
Rivne	293824	221977	40307	16343	12892	2251	54
Sumy	331318	258606	32301	17652	20515	2129	115
Ternopil	284098	217062	39353	13424	12266	1936	57
Kharkiv	788664	608893	88379	38143	47447	5541	261
Kherson	283074	225041	26524	13870	15490	2066	83
Khmelnyskiy	402794	264817	88240	23936	23099	2611	91
Cherkasy	406835	285360	81647	18863	17678	3165	122
Chernivtsi	220116	165224	31900	9583	11336	2019	54
Chernihiv	328245	242797	44037	19120	20136	2045	110
cities							
Kyiv	769992	594467	72973	35501	62042	4530	479
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2.10. Number of the registered live births, deaths and natural population increase (decrease)

(thsd.)

	2000	2005	2010	2015	2016	2017	2018	2019
Live births								
total	385,1	426,1	497,7	411,8	397,0	364,0	335,9	308,8
by type of areas								
in urban	238,0	284,3	326,6	266,1	258,7	237,9	220,1	202,6
in rural	147,1	141,8	171,1	145,7	138,3	126,1	115,8	106,2
Deaths								
total	758,1	782,0	698,2	594,8	583,6	574,1	587,7	581,1
by type of areas								
in urban	457,1	471,6	431,1	358,8	354,6	350,6	363,7	362,6
in rural	301,0	310,4	267,1	236,0	229,0	223,5	224,0	218,5
Natural increase (decrease) in population								
total	-373,0	-355,9	-200,5	-183,0	-186,6	-210,1	-251,8	-272,3
by type of areas								
in urban	-219,1	-187,3	-104,5	-92,7	-95,9	-112,7	-143,6	-160,0
in rural	-153,9	-168,6	-96,0	-90,3	-90,7	-97,4	-108,2	-112,3

2.11. Total rates for births, deaths, natural increase (decrease) in the population

(per 1000 present population)

	2000	2005	2010	2015	2016	2017	2018	2019
Live births	7,8	9,0	10,8	10,7	10,3	9,4	8,7	8,1
total								
by type of areas								
in urban	7,2	8,9	10,4	10,4	10,0	9,2	8,5	7,9
in rural	9,2	9,4	11,9	11,3	10,8	9,9	9,2	8,5
Deaths								
total	15,4	16,6	15,2	14,9	14,7	14,5	14,8	14,7
by type of areas								
in urban	13,8	14,8	13,7	13,2	13,2	13,0	13,4	13,4
in rural	18,8	20,5	18,6	18,0	17,6	17,3	17,5	17,2
Natural increase (decrease) in population								
total	-7,6	-7,6	-4,4	-4,2	-4,4	-5,1	-6,1	-6,6
by type of areas								
in urban	-6,6	-5,9	-3,3	-2,8	-3,2	-3,8	-4,9	-5,5
in rural	-9,6	-11,1	-6,7	-6,7	-6,8	-7,4	-8,3	-8,7

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2.12. Number of live birth, deaths, natural increase (decrease) in population by region, 2019
(persons)

	Number of live birth	Number of deaths	Natural increase (decrease)
Ukraine	308817	581114	-272297
Autonomous Republic of Crimea	...	...	...
oblasts			
Vinnnytsya	11878	24132	-12254
Volyn	10420	13332	-2912
Dnipropetrovsk	22526	50929	-28403
Donetsk	14674	41087	-26413
Zhytomyr	9619	19933	-10314
Zakarpattya	13016	15527	-2511
Zaporizhzhya	11543	27823	-16280
Ivano-Frankivsk	12128	17551	-5423
Kyiv	14283	28522	-14239
Kirovohrad	6356	15451	-9095
Luhansk	5031	16011	-10980
Lviv	21803	32839	-11036
Mykolayiv	7966	17087	-9121
Odesa	20938	33091	-12153
Poltava	9043	22915	-13872
Rivne	12316	14182	-1866
Sumy	6483	17404	-10921
Ternopil	7896	14754	-6858
Kharkiv	18038	40611	-22573
Kherson	8374	16027	-7653
Khmelnyskiy	9939	19399	-9460
Cherkasy	7620	19702	-12082
Chernivtsi	8295	11084	-2789
Chernihiv	6129	18584	-12455
cities			
Kyiv	32503	33137	-634
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2.13. Total rates for births, deaths, natural increase (decrease) in the population by region, 2019

(per 1000 present population)

	Number of live birth	Number of deaths	Natural increase (decrease)
Ukraine	8,1	14,7	-6,6
Autonomous Republic of Crimea	...	...	...
oblasts			
Vinnnytsya	7,6	15,5	-7,9
Volyn	10,1	12,9	-2,8
Dnipropetrovsk	7,1	16,0	-8,9
Donetsk	...	...	...
Zhytomyr	7,9	16,4	-8,5
Zakarpattya	10,4	12,4	-2,0
Zaporizhzhya	6,8	16,4	-9,6
Ivano-Frankivsk	8,8	12,8	-4,0
Kyiv	8,0	16,1	-8,1
Kirovohrad	6,8	16,4	-9,6
Luhansk	...	...	...
Lviv	8,7	13,0	-4,3
Mykolayiv	7,1	15,2	-8,1
Odesa	8,8	13,9	-5,1
Poltava	6,5	16,4	-9,9
Rivne	10,7	12,3	-1,6
Sumy	6,0	16,2	-10,2
Ternopil	7,6	14,2	-6,6
Kharkiv	6,8	15,2	-8,4
Kherson	8,1	15,5	-7,4
Khmelnyskiy	7,9	15,4	-7,5
Cherkasy	6,4	16,4	-10,0
Chernivtsi	9,2	12,3	-3,1
Chernihiv	6,1	18,6	-12,5
cities			
Kyiv	11,0	11,2	-0,2
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2.14. Live births by sex

(persons)

	Total			Urban areas			Rural areas		
	both sexes	boys	girls	both sexes	boys	girls	both sexes	boys	girls
2000	385126	199411	185715	238014	123305	114709	147112	76106	71006
2005	426086	219616	206470	284257	146547	137710	141829	73069	68760
2010	497689	256835	240854	326587	168773	157814	171102	88062	83040
2015	411781	212846	198935	266082	137342	128740	145699	75504	70195
2016	397037	205194	191843	258688	133640	125048	138349	71554	66795
2017	363987	187528	176459	237874	122492	115382	126113	65036	61077
2018	335874	173417	162457	220102	113658	106444	115772	59759	56013
2019	308817	159792	149025	202646	105196	97450	106171	54596	51575

2.15. Birth rates by age

(per 1000 women by relevant age group)

	2000	2005	2010	2015	2016	2017	2018	2019
15–49 age	30,6	34,4	42,5	44,2	42,7	39,6	36,9	34,3
younger than 20	32,1	28,6	28,8	27,3	25,3	22,4	19,7	16,9
20–24	94,9	88,8	90,1	92,3	87,8	79,5	73,3	68,1
25–29	57,7	71,7	87,9	91,8	90,1	84,8	80,3	76,5
30–34	26,5	37,7	55,1	58,8	58,7	56,3	54,3	52,4
35–39	8,7	13,3	22,3	27,3	27,3	26,7	26,4	25,3
40–44	1,9	2,3	4,2	5,6	5,8	5,9	6,1	5,9
45–49	0,1	0,1	0,2	0,4	0,5	0,7	0,7	0,8

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2.16. Share of live births born to mothers who are not in registered marriage

(percent of total live births)

	2000	2005	2010	2015	2016	2017	2018	2019
Total	17,3	21,4	21,9	20,6	20,1	20,5	20,5	20,5
by type of areas								
in urban	17,7	21,2	21,1	19,5	19,1	19,5	19,5	19,5
in rural	16,6	21,8	23,4	22,6	22,0	22,4	22,4	22,5

2.17. Crude birth rates

(live births per woman)

	Total	Urban areas	Rural areas
2000	1,116	0,965	1,510
2001	1,078	0,950	1,411
2002	1,095	0,969	1,432
2003	1,172	1,067	1,449
2004	1,218	1,127	1,463
2005	1,213	1,120	1,460
2006	1,310	1,207	1,585
2007	1,345	1,236	1,630
2008	1,458	1,346	1,748
2009	1,473	1,348	1,784
2010	1,443	1,308	1,770
2011	1,459	1,317	1,801
2012	1,531	1,387	1,868
2013	1,506	1,365	1,825
2014	1,498	1,351	1,827
2015	1,506	1,388	1,710
2016	1,466	1,361	1,642
2017	1,374	1,283	1,522
2018	1,301	1,220	1,427
2019	1,228	1,155	1,341

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2.18. Population mortality, by major causes of death

	2005	2010	2015	2016	2017	2018	2019
From all causes	781961	698235	594796	583631	574123	587665	581114
of which due to							
some infectious and parasitic diseases	17245	14642	9900	9326	8714	8964	8120
tumours	91849	88767	79530	78959	78324	78597	78223
diseases of blood circulation	488769	465093	404551	392298	384810	392060	389348
respiratory diseases	27998	19480	13951	13840	12166	13006	12504
digestive apparatus diseases	31692	26817	22818	22013	21999	24489	24144
external causes of deaths and diseases	69954	43955	34569	31746	31185	30905	30009
	Per 100 thsd. present population						
From all causes	1660,0	1522,2	1487,1	1470,9	1447,8	1479,4	1466,4
of which due to							
some infectious and parasitic diseases	36,6	31,9	24,6	23,4	22,0	22,7	20,8
tumours	195,0	193,5	199,8	201,1	199,9	200,3	199,3
diseases of blood circulation	1037,6	1013,9	1009,5	994,6	977,9	996,6	989,2
respiratory diseases	59,4	42,5	35,3	35,2	31,1	33,2	32,0
digestive apparatus diseases	67,3	58,5	55,8	54,5	55,0	61,2	60,8
external causes of deaths and diseases	148,5	95,8	86,3	81,1	79,8	79,2	77,7

2.19. Mortality rates of population, by age

(per 100 thsd. present population by relevant age group)

	2000	2005	2010	2015	2016	2017	2018	2019
Total deaths	1550,6	1666,4	1528,2	1493,3	1477,1	1453,9	1485,7	1472,7
of which those aged								
0–4	291,0	273,9	229,4	181,1	165,1	160,1	146,9	146,1
5–9	37,7	38,7	24,7	19,9	18,0	18,0	18,1	17,5
10–14	38,2	31,8	27,9	25,3	21,9	21,9	22,3	20,1
15–19	91,4	77,3	63,0	61,2	58,1	51,8	49,7	52,5
20–24	178,8	148,6	114,7	98,1	89,7	84,6	83,2	80,0
25–29	244,3	269,4	188,9	152,1	142,2	139,4	134,4	131,0
30–34	336,8	397,1	310,1	240,9	225,5	222,9	231,5	224,4
35–39	463,1	549,3	404,6	372,9	360,8	345,7	365,2	347,0
40–44	659,2	753,0	535,4	497,7	489,9	481,5	523,3	513,2
45–49	945,9	1026,1	709,1	665,2	658,9	643,5	683,4	681,7
50–54	1278,2	1421,2	997,4	927,1	913,1	903,9	943,7	931,8
55–59	1780,5	1882,1	1448,3	1323,2	1296,6	1274,0	1314,9	1273,6
60–64	2483,7	2649,8	2096,7	2012,8	1981,8	1883,3	1920,4	1877,1
65–69	3532,0	3517,8	3084,4	2839,3	2822,1	2742,9	2821,9	2733,9
70 and older	8637,3	8831,2	8196,3	8602,9	8605,9	8493,1	8522,5	8373,3

POPULATION AND MIGRATION

2.20. Number of the dead of infants under 1 year old, by region

(persons)

	2000	2005	2010	2015	2016	2017	2018	2019
Ukraine	4606	4259	4564	3318	2955	2786	2397	2189
Autonomous Republic of Crimea	172	161	205	...	...	...	...	...
oblasts								
Vinnnytsya	152	139	148	120	102	103	79	92
Volyn	137	105	123	86	91	75	86	79
Dnipropetrovsk	334	309	347	289	251	209	230	185
Donetsk	419	412	497	156	167	146	117	121
Zhytomyr	131	123	135	102	103	81	74	64
Zakarpattya	134	180	199	180	168	165	146	143
Zaporizhzhya	208	177	182	132	104	94	106	68
Ivano-Frankivsk	201	194	170	108	99	90	79	76
Kyiv	122	123	140	109	99	90	73	65
Kirovohrad	107	100	112	89	84	92	57	49
Luhansk	212	210	199	56	57	56	35	30
Lviv	297	218	266	232	183	232	163	145
Mykolayiv	127	89	104	73	88	61	74	57
Odesa	277	254	263	229	211	218	178	149
Poltava	93	103	87	79	74	47	52	58
Rivne	191	151	158	139	131	120	87	106
Sumy	123	102	97	76	58	54	33	39
Ternopil	131	98	98	82	52	81	54	50
Kharkiv	225	229	243	248	178	164	139	144
Kherson	111	115	116	96	108	78	78	58
Khmelnytskyi	149	109	109	116	86	106	69	67
Cherkasy	115	107	125	87	89	78	80	60
Chernivtsi	100	124	90	93	92	94	71	57
Chernihiv	116	103	82	76	79	49	53	45
cities								
Kyiv	193	197	233	265	201	203	184	182
Sevastopol	29	27	36	...	...	...	...	...

POPULATION AND MIGRATION

2.21. Mortality rates of infants under 1 year old, by region

(number of the dead of infants under 1 year old per 1000 live births)

	2000	2005	2010	2015	2016	2017	2018	2019
Ukraine	11,9	10,0	9,1	7,9	7,4	7,6	7,0	7,0
Autonomous Republic of Crimea	11,4	9,0	8,8	...	...	...	...	...
oblasts								
Vinnnytsya	9,9	9,1	8,4	7,2	6,6	7,2	6,0	7,6
Volyn	11,5	8,3	8,2	6,3	7,0	6,2	7,6	7,5
Dnipropetrovsk	12,7	10,2	9,7	8,5	8,0	7,5	9,0	8,1
Donetsk	13,9	11,5	12,0	8,7	8,8	8,2	7,2	8,2
Zhytomyr	10,4	9,5	9,1	7,3	7,9	6,8	6,9	6,6
Zakarpattya	9,4	11,5	10,9	10,5	10,4	11,1	10,4	10,9
Zaporizhzhya	14,8	11,1	10,1	7,8	6,6	6,5	8,2	5,7
Ivano-Frankivsk	13,7	12,9	10,3	6,8	6,7	6,6	6,2	6,2
Kyiv	9,0	7,5	7,0	5,4	5,1	5,1	4,7	4,5
Kirovohrad	11,7	11,1	10,6	9,3	9,4	11,6	7,9	7,6
Luhansk	13,2	11,7	9,4	9,8	9,0	9,3	6,2	5,9
Lviv	12,2	8,3	9,2	8,2	6,7	9,2	7,0	6,6
Mykolayiv	12,3	8,1	8,1	6,2	8,1	6,0	7,9	7,0
Odesa	13,7	10,7	9,2	8,2	7,9	8,6	7,6	7,0
Poltava	7,9	8,6	6,1	5,8	5,9	4,1	5,0	6,3
Rivne	13,7	10,4	9,2	8,5	8,3	8,3	6,4	8,5
Sumy	13,1	11,4	9,3	7,7	6,5	6,7	4,5	5,9
Ternopil	12,3	8,9	8,2	7,5	5,2	8,7	6,3	6,2
Kharkiv	11,3	10,2	9,2	9,8	7,4	7,5	7,0	7,9
Kherson	10,8	11,3	9,4	8,4	9,9	7,7	8,4	6,8
Khmelnyskiy	12,0	8,8	7,5	8,3	6,6	9,1	6,4	6,6
Cherkasy	10,7	10,2	10,0	7,5	8,4	8,0	9,1	7,7
Chernivtsi	10,7	12,6	8,2	8,6	8,9	9,9	8,1	6,8
Chernihiv	13,2	11,7	8,1	8,3	9,2	6,4	7,6	7,3
cities								
Kyiv	10,2	7,5	7,3	7,5	5,5	5,7	5,3	5,6
Sevastopol	10,9	7,4	8,6	...	...	...	...	...

POPULATION AND MIGRATION

2.22. Life expectancy at birth by sex

	<i>(years)</i>		
	Both sexes	Male	Female
2000	67,72	62,10	73,53
2001	67,89	62,32	73,63
2002 ¹	68,32	62,70	74,13
2003 ¹	68,24	62,64	74,06
2004 ¹	68,22	62,60	74,05
2005 ¹	67,96	62,23	73,97
2006 ¹	68,10	62,38	74,06
2007 ¹	68,25	62,51	74,22
2008 ¹	68,27	62,51	74,28
2009 ¹	69,29	63,79	74,86
2010 ¹	70,44	65,28	75,50
2011	71,02	65,98	75,88
2012	71,15	66,11	76,02
2013	71,37	66,34	76,22
2014	71,37	66,25	76,37
2015	71,38	66,37	76,25
2016	71,68	66,73	76,46
2017	71,98	67,02	76,78
2018	71,76	66,69	76,72
2019	72,01	66,92	76,98

¹ The date are calculated over two related years

2.23. Life expectancy by sex and age group in 2019

	<i>(years)</i>		
	Both sexes	Male	Female
0	72,01	66,92	76,98
1	71,51	66,43	76,48
5	67,60	62,52	72,56
10	62,66	57,58	67,61
15	57,72	52,65	62,66
20	52,86	47,83	57,75
25	48,06	43,11	52,85
30	43,36	38,50	48,01
35	38,82	34,11	43,24
40	34,45	29,96	38,59
45	30,28	26,04	34,06
50	26,24	22,30	29,61
55	22,37	18,80	25,25
60	18,67	15,54	21,00
65	15,26	12,70	16,98
70	12,12	10,15	13,28
75	9,28	7,95	9,96
80	6,87	6,19	7,17
85	5,07	4,95	5,13

POPULATION AND MIGRATION

2.24. Marriages and dissolved marriages

	2000	2005	2010	2015	2016	2017	2018	2019
Total registered marriages, thsd.	274,5	332,1	305,9	299,0	229,5	249,5	228,4	237,9
per 1000 by present population	5,6	7,1	6,7	7,8	5,9	6,5	6,0	6,3
Total dissolved of marriages, thsd.	197,3	183,5	126,1 ¹	129,4	130,0	128,7	153,9	138,0
per 1000 by present population	4,0	3,9	2,7 ¹	3,3	3,3	3,3	3,9	3,6

¹ According to data from bodies of state registration of acts of civil status not including the annulment of marriages fulfilled through the courts

2.25. Marriages and dissolved marriages in 2019, by region

	Registered marriages		Dissolved of marriages	
	units	per 1000 present population	units	per 1000 present population
Ukraine	237858	6,3	138005	3,6
Autonomous Republic of Crimea	...	...	...	...
oblasts				
Vinnysya	9361	6,0	5617	3,6
Volyn	6069	5,9	2978	2,9
Dnipropetrovsk	20187	6,3	13115	4,1
Donetsk	10043	...	7410	...
Zhytomyr	7130	5,9	4329	3,6
Zakarpattya	7506	6,0	2865	2,3
Zaporizhzhya	9595	5,7	6721	4,0
Ivano-Frankivsk	7725	5,6	4248	3,1
Kyiv	12851	7,2	7325	4,1
Kirovohrad	4807	5,1	3389	3,6
Luhansk	3470	...	3044	...
Lviv	15185	6,0	6620	2,6
Mykolayiv	6539	5,8	4272	3,8
Odesa	16702	7,0	8692	3,7
Poltava	8071	5,8	5552	4,0
Rivne	6732	5,8	3005	2,6
Sumy	5333	5,0	3838	3,6
Ternopil	5682	5,5	3135	3,0
Kharkiv	16834	6,3	10852	4,1
Kherson	6142	5,9	3838	3,7
Khmelnyskiy	6878	5,5	4822	3,8
Cherkasy	6585	5,5	4512	3,8
Chernivtsi	5272	5,8	2922	3,2
Chernihiv	5161	5,2	3760	3,8
cities				
Kyiv	27998	9,5	11144	3,8
Sevastopol	...	...	...	...

POPULATION AND MIGRATION

2.26. Number of registered marriages by pre-marital status of couple

	2000	2005	2010	2015	2016	2017	2018	2019
Males								
Total	274523	332143	305933	299038	229453	249522	228411	237858
never married								
before	201178	247888	231972	224509	170044	182832	165002	170632
widowers	7859	7754	5046	3623	3149	3524	3500	3559
divorced	65486	76501	68915	70906	56260	63166	59909	63667
Females								
Total	274523	332143	305933	299038	229453	249522	228411	237858
never married								
before	204277	251476	234320	222901	167609	179593	160956	165518
widows	10197	10824	7486	6516	5309	5835	5737	5821
divorced	60049	69843	64127	69621	56535	64094	61718	66519

2.27. Population migration in 2019, by region

(persons)

	All flows of migration			Including inter-state migration		
	total immigrants	total emigrants	migration increase (decrease)	total immigrants	total emigrants	migration increase (decrease)
Ukraine	576032	554520	21512	45011	26789	18222
Autonomous Republic of Crimea	...	...	...	...	...	...
oblasts						
Vinnnytsya	21049	23773	-2724	689	283	406
Volyn	14641	15638	-997	266	655	-389
Dnipropetrovsk	34983	36409	-1426	2001	972	1029
Donetsk	17304	24984	-7680	726	567	159
Zhytomyr	20231	21898	-1667	568	316	252
Zakarpattya	7247	7747	-500	676	923	-247
Zaporizhzhya	16761	18916	-2155	1000	495	505
Ivano-Frankivsk	16578	16310	268	895	952	-57
Kyiv	59518	32175	27343	2525	867	1658
Kirovohrad	13364	16709	-3345	488	396	92
Luhansk	7131	12071	-4940	386	417	-31
Lviv	35083	33984	1099	1431	1483	-52
Mykolayiv	12534	14647	-2113	800	352	448
Odesa	38529	29454	9075	6289	942	5347
Poltava	25659	25248	411	1937	1083	854
Rivne	18563	21037	-2474	341	1320	-979
Sumy	16979	19229	-2250	1056	489	567
Ternopil	16232	16558	-326	1446	743	703
Kharkiv	48296	42860	5436	8723	5670	3053
Kherson	11736	13810	-2074	145	207	-62
Khmelnyskiy	22232	22775	-543	708	372	336
Cherkasy	18204	20336	-2132	446	416	30
Chernivtsi	9627	9580	47	1091	841	250
Chernihiv	13211	15207	-1996	150	147	3
cities						
Kyiv	60340	43165	17175	10228	5881	4347
Sevastopol	...	...	...	...	...	...

For reference: all flows of migration include intra-regional, inter-regional and inter-state migration.

3. LABOUR MARKET

Since 2014, information in the section excludes the temporarily occupied territory of the Autonomous Republic of Crimea and the city of Sevastopol, for 2015 a part of the temporarily occupied territories in the Donetsk and Luhansk regions.

Since 1995, in accordance with the recommendations of the International Labour Organisation (hereinafter – the ILO), a sample survey of the population (households) on economic activity (since 2019, the Labour Force Survey) has been introduced into the practice of official statistics. This survey is conducted at the place of permanent residence of the population and covers persons aged 15 and older (until 2019, aged 15–70), for which estimates of labour force, employment and unemployment are calculated.

In order to ensure a comparison of the indicators in the dynamics in tables 3.1–3.12, the information is given according to the results of the labour force survey of persons aged 15–70.

The labour force (until 2019, economically active population) is the number of people of both sexes for aged 15 and older (until 2019, aged 15–70), which may adhere to the supply of labour in the labour market. Employed and unemployed in total make up the labour force.

Employed are considered to be persons aged 15 and older (until 2019, aged 15–70), which:

during the reference week were employed at least one hour to receive cash or in-kind payment. They worked individually (self-employed) or were employed by other individuals or worked at their own (family) enterprise; worked for free at enterprises or own business that belongs to any member of household or were employed at private subsidiary

agriculture in order to sell products produced as a result of this activity;

were temporally absent from work, i.e. were formally attached to work place, had own enterprise (business) however, they did not work during the reference period for certain reasons.

The total number of the employed population by type of economic activity (Table 3.4) is distributed in line with *the Classification of Types of Economic Activity* (State Classifier 009:2010) based on the comprehensive assessment by integrating data from labour force survey, the state statistical observations over enterprises and administrative reporting.

The level of population participation in the labour force (until 2019, the level of economic activity of the population) is defined as the ratio (as a percentage) of the labour force aged 15 and older (until 2019, economically active population aged 15–70) to the total population or the population of the relevant socio-demographic group.

Employment rate of the population is a ratio (percent) of the employed aged 15 and older (until 2019, aged 15–70) to the total population of the specific age or population by the relevant social and demographic characteristics.

Following **ILO methodology**, the **unemployed** are defined as persons aged 15 and older (until 2019, aged 15–70) who meet the following three requirements: were without work (gainful employment); during the last four weeks were actively seeking a job or were trying to establish their own business; during the recent two weeks were available to work, i.e. to be employed or to work at their own enterprise in order to get wages or income. The category of the

unemployed includes persons who will start working during the next two weeks; have found a job or await a reply.

Unemployment rate (according to the ILO methodology) – the ratio (as a percentage) of the number of unemployed aged 15 and older (until 2019, aged 15–70) to the labour force (until 2019, the economically active population) of the specified age or the corresponding social demographic group.

Within the framework of labour force survey of the population, prior to 2012 the working age persons include women aged 15–54 year old and men aged 15–59 year old. According to Ukraine's law *On Actions Regarding the Legal Support to Reforming the Pension System*, in 2012 the working age population includes women aged 55 years old. In 2013 the working age population includes women aged 56 years old, in 2014 women aged 57 years old, in 2015 women aged 58 years old, in 2016 women aged 59 years old.

Persons who are not part of the labour force (until 2019, economically inactive population) – persons aged 15 and older (until 2019, aged 15–70), who during the surveyed week did not belong to the employed or unemployed population.

The indicators from Tables 3.13–3.28 are defined on the basis of data from the state statistical observations that cover legal persons and separate units of legal persons (hereinafter enterprises) that make use of wage labour. Since 2010, to produce the population of units for these observations, the following methodological principles are applied: large and medium-sized enterprises with the average number of employees (including temporary ones) of 50 and more are subject to complete enumeration while enterprises with the number of employees from 10 to 49 persons are covered by sample method (sample).

In Tables 3.13, 3.15, 3.23, 3.25, 3.27 data for 2010 have been recalculated according to the *Classification of Types of Economic Activity* (State Classifier 009:2010) that took effect on January 1, 2012.

Average registered number of regular employees covers the persons who are in labour relationship with the enterprise and receive wages except those temporarily absent from work, for whom the working place is kept (on maternity leave or additional holiday on child care upon achievement of the age stipulated by legislation, and those who do call-up military service) as well as those working according to civil and legal treaties. It is averaged over a period:

over the month by summing up the number of registered employees for each calendar day of the month, i.e. from the 1st to 30th or 31st day including the holidays (off-days) and week-ends and by dividing the obtained sum by the relevant number of calendar days of the reference month;

over the year by summing up the average registered number of employees for all months of work that passed during the reference year and by dividing the obtained sum by the number of months (i.e. 12).

A working person is recorded only once (by place of main job) regardless of the duration of labour agreement and duration of work hours.

Labour conditions characterize the safety status, labour hygiene and production environment by selected types of economic activity as well as employment of employees at heavy work with harmful and dangerous labour conditions.

The employees employed in the context of exceeding hygiene standards are recorded by every harmful production factor regardless of their number that falls on one employee. At the same time, every employee is included only once in the total number of those employed at work with harmful labour conditions.

Information about the **number of concluded and registered collective agreements** is submitted by enterprises where they act according to Ukraine's law *On Collective Contracts and Agreements*.

The number of employees covered by collective agreements includes the employees

who are on the staff of an enterprise regardless of their membership in trade union, including also those who were absent due to different reasons at the moment when the report was drafted.

Worked hours are measured in man-hours for employees who actually worked at the enterprise including those who are part-time employees, performed overtime work, worked during week-ends and holidays (off days) or worked extra month (on top of the schedule) as well as man-hours of work by internal dual jobholders or home-workers.

Non-worked time is time has not been worked because of valid or other reasons. It include absence of employees at work due to holidays (annual holiday, training, etc), temporary invalidity, temporary transfer to other enterprise for work, holidays without wages reservation (of which for the period of work performance termination), transfer to part-time work (incomplete working day or week), truancies, downtimes, strikes and other reasons.

Nominal wages relate to remuneration in cash and in kind paid to employees for time worked or work done. It also includes base wage rates (official salary), bonuses, additional payments, allowances and other kinds of payments for time not worked. Nominal wages include compulsory deductions from wages of employees: income tax from natural persons, and military tax.

Nominal wages do not include the following:

cash security for professional servicemen, and soldiers and officer personnel;

payments from social insurance funds for temporary disability;

payment for the first five days of temporary disability of employer funds;

sum of employer contribution to the compulsory state social insurance.

Average monthly (for a year) nominal wages of employees defined by dividing the annual wages by the average annual number of employees and by twelve months.

In Tables 3.22, average monthly wages for 1940–1994. Prior to 1991 inclusive, the compilation of statistical indicator of size of average monthly wages was separately made for workers, employees and those engaged at collective agricultural enterprises (CAEs). Since 1992, on the basis of the national legislative acts, the common methodology for statistical recording of the basic indicators has been developed. The indicators characterize the social and labour relationships and the results stemming from the labour activity both of employees and workers, and employees from CAEs.

Nominal wages index reflects the nominal wages change in thereporting period compared with the base one.

Index of real wages shows the changes in the purchasing power of the nominal wages that occur during the reference period. It is compared to the base period. It is calculated by dividing the index for the nominal wages which excludes income taxes of natural persons and military insurance during a certain period by CPI for the same period.

LABOUR MARKET

3.1. Population, by participation status in the labour force

(aged 15–70; thsd.)

	2000	2005	2010	2015	2016	2017	2018	2019
Labour force	22830,8	22280,8	22051,6	18097,9	17955,1	17854,4	17939,5	18066,0
working age	21150,7	20481,7	20220,7	17396,0	17303,6	17193,2	17296,2	17381,8
older than working age	1680,1	1799,1	1830,9	701,9	651,5	661,2	643,3	684,2
Employed	20175,0	20680,0	20266,0	16443,2	16276,9	16156,4	16360,9	16578,3
working age	18520,7	18886,5	18436,5	15742,0	15626,1	15495,9	15718,6	15894,9
older than working age	1654,3	1793,5	1829,5	701,2	650,8	660,5	642,3	683,4
Unemployed	2655,8	1600,8	1785,6	1654,7	1678,2	1698,0	1578,6	1487,7
working age	2630,0	1595,2	1784,2	1654,0	1677,5	1697,3	1577,6	1486,9
older than working age	25,8	5,6	1,4	0,7	0,7	0,7	1,0	0,8
Persons who are not part of the labour force	13318,4	13559,7	12575,5	10925,5	10934,1	10945,0	10724,8	10430,5
working age	7562,4	8410,3	7878,0	6920,6	7039,3	6845,8	6486,4	6114,7
older than working age	5756,0	5149,4	4697,5	4004,9	3894,8	4099,2	4238,4	4315,8

3.2. Population in 2019, by participation status in the labour force, sex and place of residence

(aged 15–70; thsd.)

	Total	Of which			
		females	males	urban population	rural population
Labour force	18066,0	8602,9	9463,1	12409,6	5656,4
working age	17381,8	8248,4	9133,4	11959,3	5422,5
older than working age	684,2	354,5	329,7	450,3	233,9
Employed	16578,3	7923,1	8655,2	11414,8	5163,5
working age	15894,9	7568,9	8326,0	10965,2	4929,7
older than working age	683,4	354,2	329,2	449,6	233,8
Unemployed	1487,7	679,8	807,9	994,8	492,9
working age	1486,9	679,5	807,4	994,1	492,8
older than working age	0,8	0,3	0,5	0,7	0,1
Persons who are not part of the labour force	10430,5	6363,8	4066,7	6893,1	3537,4
working age	6114,7	3722,7	2392,0	3898,1	2216,6
older than working age	4315,8	2641,1	1674,7	2995,0	1320,8

LABOUR MARKET

3.3. Labour force, by region

(aged 15–70)

	2005		2010		2015		2019	
	thsd.	percentage of population aged 15–70	thsd.	percentage of population aged 15–70	thsd.	percentage of population aged 15–70	thsd.	percentage of population aged 15–70
Ukraine	22280,8	62,2	22051,6	63,7	18097,9	62,4	18066,0	63,4
Autonomous Republic of Crimea	958,7	62,2	964,7	64,5	...	...	...	...
oblasts								
Vinnycya	775,4	61,8	771,2	63,9	741,2	63,4	729,4	64,0
Volyn	471,8	63,1	474,1	63,6	440,4	58,8	425,2	56,9
Dnipropetrovsk	1665,7	61,8	1659,6	64,9	1594,9	65,6	1532,4	64,4
Donetsk	2265,1	62,6	2166,6	63,7	877,7	58,3	864,7	58,9
Zhytomyr	632,5	64,2	621,1	65,9	571,2	62,5	576,7	64,7
Zakarpattya	592,3	64,5	582,2	63,1	571,8	61,9	559,8	60,9
Zaporizhzhya	908,3	62,4	892,6	64,3	825,5	62,5	819,1	64,1
Ivano-Frankivsk	572,8	56,5	577,8	57,0	609,5	59,8	619,7	61,0
Kyiv	846,9	62,8	817,6	63,2	790,6	62,0	819,8	63,1
Kirovohrad	501,5	61,9	473,5	62,4	436,6	60,9	431,8	62,5
Luhansk	1143,2	60,1	1094,1	61,6	362,7	64,7	352,0	68,1
Lviv	1167,0	61,2	1190,0	62,9	1134,7	60,5	1150,3	61,9
Mykolayiv	595,0	63,2	586,1	64,5	558,2	64,0	550,7	65,1
Odesa	1086,4	58,7	1112,5	61,3	1086,3	61,2	1084,2	62,0
Poltava	744,5	62,9	714,0	63,4	664,3	61,7	661,4	63,3
Rivne	511,1	61,2	532,0	64,0	541,4	65,0	530,0	63,7
Sumy	591,2	63,0	556,2	62,7	523,3	61,8	532,1	64,8
Ternopil	467,4	57,9	482,1	60,6	460,3	58,5	464,0	59,8
Kharkiv	1388,8	62,5	1365,2	63,9	1324,2	63,8	1331,1	65,4
Kherson	548,9	63,1	534,9	64,4	496,6	62,5	503,8	65,2
Khmelnyskiy	641,9	63,4	635,5	64,7	557,1	58,6	574,6	61,9
Cherkasy	641,6	63,2	627,3	64,9	580,2	62,6	580,1	64,7
Chernivtsi	401,2	60,4	418,0	62,7	404,9	60,5	423,4	63,4
Chernihiv	562,3	64,9	536,2	66,2	483,9	62,9	485,1	65,6
cities								
Kyiv	1412,6	66,2	1473,7	67,5	1460,4	66,7	1464,6	67,0
Sevastopol	186,7	62,7	192,8	66,0	...	...	...	...

LABOUR MARKET

3.4. Number of employment, by type of economic activity

(thsd.)

	2015	2016	2017	2018	2019
Total	16443,2	16276,9	16156,4	16360,9	16578,3
Agriculture, forestry and fishing	2870,6	2866,5	2860,7	2937,6	3010,4
Industry	2573,9	2494,8	2440,6	2426,0	2461,5
including					
Manufacturing	1839,3	1791,7	1774,9	1786,3	1833,3
Construction	642,1	644,5	644,3	665,3	699,0
Wholesale and retail trade; repair of motor vehicles and motorcycles	3510,7	3516,2	3525,8	3654,7	3801,3
Transportation and storage, postal and courier activities	998,0	997,2	991,6	995,1	999,0
Accommodation and food service activities	277,3	276,7	276,3	283,0	304,0
Information and communication	272,9	275,2	274,1	280,3	289,2
Financial and insurance activities	243,6	225,6	215,9	214,0	211,6
Real estate activities	268,3	255,5	252,3	259,4	259,7
Professional, scientific and technical activities	422,9	428,1	415,8	437,9	421,6
Administrative and support service activities	298,6	304,3	297,9	304,3	317,9
Public administration and defence, compulsory social security	974,5 ¹	973,1	979,7	939,3	870,5 ¹
Education	1496,5	1441,4	1423,4	1416,5	1388,7
Human health and social work activities	1040,7	1030,4	1013,6	995,4	974,2
Arts, entertainment and recreation	207,9	201,6	199,8	196,9	197,6
Other type of economic activity	344,7	345,8	344,6	355,2	372,1

¹ Including the number of temporary employees involved in the preparations and conduct of the elections: in 2015, deputies of local councils and rural, village and city mayors; in 2019, of the President of Ukraine and to the Verhovna Rada of Ukraine

LABOUR MARKET

3.5. Employment, by region

(aged 15–70)

	2005		2010		2015		2019	
	thsd.	percentage of population aged 15–70	thsd.	percentage of population aged 15–70	thsd.	percentage of population aged 15–70	thsd.	percentage of population aged 15–70
Ukraine	20680,0	57,7	20266,0	58,5	16443,2	56,7	16578,3	58,2
Autonomous Republic of Crimea	906,1	58,7	904,5	60,5	...	...	...	...
oblasts								
Vinnitsya	723,0	57,6	694,3	57,5	674,9	57,7	660,7	58,0
Volyn	429,9	57,5	433,6	58,2	397,3	53,1	380,0	50,9
Dnipropetrovsk	1573,8	58,4	1541,9	60,3	1479,6	60,9	1413,7	59,5
Donetsk	2124,9	58,7	1983,7	58,3	756,3	50,3	747,2	50,9
Zhytomyr	570,6	57,9	560,3	59,5	506,6	55,5	521,2	58,5
Zakarpattia	551,0	60,0	531,8	57,7	519,3	56,2	508,9	55,4
Zaporizhzhya	846,0	58,2	825,7	59,5	745,1	56,4	741,6	58,1
Ivano-Frankivsk	522,5	51,6	530,3	52,3	558,3	54,8	575,1	56,6
Kyiv	791,0	58,6	757,9	58,6	739,9	58,1	771,4	59,3
Kirovohrad	457,5	56,5	431,2	56,9	386,8	54,0	384,5	55,6
Luhansk	1054,4	55,4	1015,4	57,1	306,3	54,6	303,7	58,8
Lviv	1064,6	55,8	1096,7	58,0	1042,0	55,5	1075,2	57,8
Mykolayiv	539,8	57,3	536,7	59,1	508,7	58,4	499,6	59,1
Odesa	1028,1	55,6	1044,5	57,5	1016,2	57,3	1020,1	58,3
Poltava	690,3	58,3	644,8	57,3	583,6	54,2	591,2	56,6
Rivne	461,6	55,2	471,2	56,7	487,7	58,5	486,0	58,4
Sumy	546,0	58,1	497,0	56,0	470,5	55,6	490,9	59,8
Ternopil	425,1	52,6	431,3	54,2	406,2	51,6	417,7	53,8
Kharkiv	1297,2	58,4	1267,3	59,3	1230,8	59,3	1263,9	62,1
Kherson	499,9	57,5	488,8	58,9	445,8	56,1	455,3	58,9
Khmelnyskiy	586,0	57,9	580,6	59,1	500,5	52,6	528,8	57,0
Cherkasy	578,7	57,0	564,9	58,4	523,5	56,5	531,8	59,3
Chernivtsi	361,7	54,5	382,4	57,4	367,2	54,9	394,1	59,0
Chernihiv	517,9	59,8	480,1	59,2	432,3	56,2	435,8	58,9
cities								
Kyiv	1352,0	63,3	1387,8	63,6	1357,8	62,0	1379,9	63,1
Sevastopol	180,4	60,6	181,3	62,0	...	...	...	...

LABOUR MARKET

3.6. ILO unemployment, by region

(aged 15–70)

	2005		2010		2015		2019	
	thsd.	percentage of labour force aged 15–70	thsd.	percentage of labour force aged 15–70	thsd.	percentage of labour force aged 15–70	thsd.	percentage of labour force aged 15–70
Ukraine	1600,8	7,2	1785,6	8,1	1654,7	9,1	1487,7	8,2
Autonomous Republic of Crimea	52,6	5,5	60,2	6,2	...	...	...	...
oblasts								
Vinnnytsya	52,4	6,8	76,9	10,0	66,3	8,9	68,7	9,4
Volyn	41,9	8,9	40,5	8,5	43,1	9,8	45,2	10,6
Dnipropetrovsk	91,9	5,5	117,7	7,1	115,3	7,2	118,7	7,7
Donetsk	140,2	6,2	182,9	8,4	121,4	13,8	117,5	13,6
Zhytomyr	61,9	9,8	60,8	9,8	64,6	11,3	55,5	9,6
Zakarpattya	41,3	7,0	50,4	8,7	52,5	9,2	50,9	9,1
Zaporizhzhya	62,3	6,9	66,9	7,5	80,4	9,7	77,5	9,5
Ivano-Frankivsk	50,3	8,8	47,5	8,2	51,2	8,4	44,6	7,2
Kyiv	55,9	6,6	59,7	7,3	50,7	6,4	48,4	5,9
Kirovohrad	44,0	8,8	42,3	8,9	49,8	11,4	47,3	11,0
Luhansk	88,8	7,8	78,7	7,2	56,4	15,6	48,3	13,7
Lviv	102,4	8,8	93,3	7,8	92,7	8,2	75,1	6,5
Mykolayiv	55,2	9,3	49,4	8,4	49,5	8,9	51,1	9,3
Odesa	58,3	5,4	68,0	6,1	70,1	6,5	64,1	5,9
Poltava	54,2	7,3	69,2	9,7	80,7	12,1	70,2	10,6
Rivne	49,5	9,7	60,8	11,4	53,7	9,9	44,0	8,3
Sumy	45,2	7,6	59,2	10,6	52,8	10,1	41,2	7,7
Ternopil	42,3	9,1	50,8	10,5	54,1	11,8	46,3	10,0
Kharkiv	91,6	6,6	97,9	7,2	93,4	7,1	67,2	5,0
Kherson	49,0	8,9	46,1	8,6	50,8	10,2	48,5	9,6
Khmelnyskiy	55,9	8,7	54,9	8,6	56,6	10,2	45,8	8,0
Cherkasy	62,9	9,8	62,4	9,9	56,7	9,8	48,3	8,3
Chernivtsi	39,5	9,8	35,6	8,5	37,7	9,3	29,3	6,9
Chernihiv	44,4	7,9	56,1	10,5	51,6	10,7	49,3	10,2
cities								
Kyiv	60,6	4,3	85,9	5,8	102,6	7,0	84,7	5,8
Sevastopol	6,3	3,4	11,5	6,0	...	...	...	...

LABOUR MARKET

3.7. Labour force in 2019, by sex and age group

	Total aged, thsd.		Share of age groups, percent							
	15 and older	of which 15-70	15-24	25-29	30-34	35-39	40-49	50-59	60-70	71 and older
Labour force	18155,7	18066,0	7,5	11,7	14,6	14,4	25,9	21,6	3,8	0,5
females	8654,1	8602,9	6,7	10,1	13,3	14,1	27,4	23,7	4,1	0,6
males	9501,6	9463,1	8,3	13,1	15,9	14,7	24,5	19,6	3,5	0,4
employed	16668,0	16578,3	6,9	11,7	14,8	14,5	25,9	21,6	4,1	0,5
females	7974,3	7923,1	6,2	10,1	13,6	14,0	27,2	23,9	4,4	0,6
males	8693,7	8655,2	7,6	13,1	15,9	15,0	24,6	19,6	3,8	0,4
unemployed	1487,7	1487,7	14,1	12,0	13,1	13,2	26,5	21,0	0,1	—
females	679,8	679,8	13,1	10,0	10,7	14,4	29,9	21,8	0,1	—
males	807,9	807,9	15,1	13,7	15,1	12,2	23,5	20,3	0,1	—

3.8. Employment rate in 2019, by sex, place of residence and age group

(percent of the total population in the respective age group)

	Total aged		By age groups							
	15 and older	15-70	15-24	25-29	30-34	35-39	40-49	50-59	60-70	71 and older
Total population	51,7	58,2	30,6	73,3	76,0	79,3	78,7	67,9	13,7	2,4
females	45,4	52,9	26,8	62,1	67,6	73,7	76,8	65,7	11,8	2,0
males	59,3	64,0	34,3	84,1	84,1	84,9	80,9	70,6	16,4	3,4
urban population	53,1	59,1	28,7	75,4	77,8	81,1	80,1	69,0	13,0	2,1
rural population	48,9	56,2	34,0	69,4	72,0	74,5	75,9	65,5	15,0	2,9

3.9. ILO unemployment rate in 2019, by sex, place of residence and age group

(percentage of labour force in the respective age group)

	Total aged		By age groups							
	15 and older	15-70	15-24	25-29	30-34	35-39	40-49	50-59	60-70	71 and older
Total population	8,2	8,2	15,4	8,4	7,3	7,5	8,4	8,0	0,1	—
females	7,9	7,9	15,3	7,8	6,3	8,0	8,6	7,2	0,1	—
males	8,5	8,5	15,5	8,8	8,1	7,0	8,2	8,8	0,2	—
urban population	8,0	8,0	15,1	8,0	6,8	7,3	8,7	7,7	0,2	—
rural population	8,6	8,7	15,9	9,1	8,6	8,2	7,6	8,5	0,0	—

LABOUR MARKET

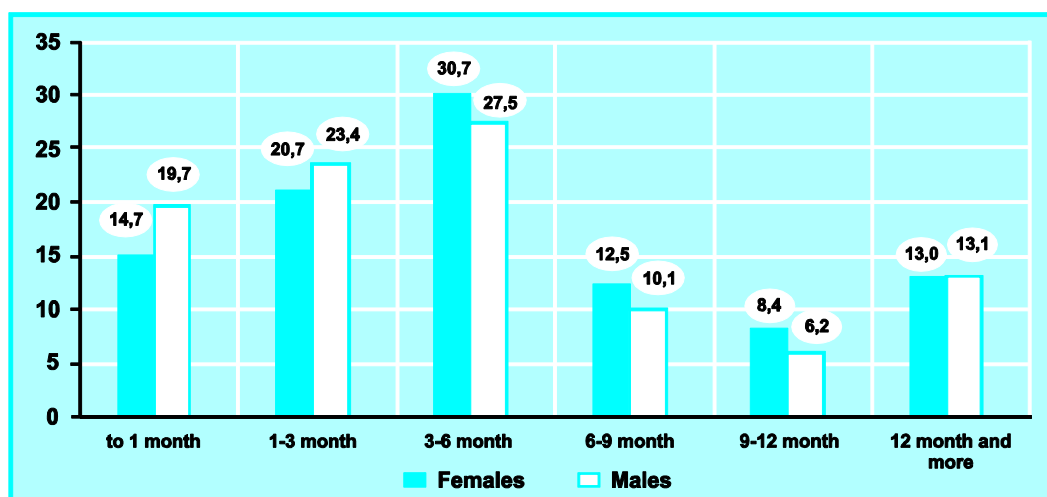
3.10. ILO unemployed, by duration of job search

(aged 15–70)

	2005	2010	2015	2016	2017	2018	2019
Total unemployed, thsd.	1600,8	1785,6	1654,7	1678,2	1698,0	1578,6	1487,7
of which those who sought a job or tried to establish own business	1523,5	1711,8	1617,4	1634,8	1662,5	1546,0	1441,7
of which, by duration of job search, percent							
under 1 month	9,7	9,8	10,5	10,5	12,0	11,7	17,4
from 1 to 3 months	23,4	24,3	23,3	26,2	26,1	28,8	22,2
from 3 to 6 months	20,4	21,8	23,9	21,6	19,3	22,8	28,9
from 6 to 9 months	10,7	11,3	11,0	10,0	9,5	9,0	11,2
from 9 to 12 months	6,0	9,2	7,3	6,4	6,4	6,1	7,2
12 months and longer	29,8	23,6	24,0	25,3	26,7	21,6	13,1
<i>Average duration of job search, months</i>	7	7	7	7	7	6	5

3.11. ILO unemployed in 2019 by duration of job search by sex

(aged 15–70; percent)



LABOUR MARKET

3.12. ILO unemployed, by cause of unemployment

(aged 15–70)

	2005	2010	2015	2016	2017	2018	2019
Total unemployed, thsd.	1600,8	1785,6	1654,7	1678,2	1698,0	1578,6	1487,7
By cause of unemployment, percent							
layoffs due to business reasons	26,5	32,7	27,8	22,4	23,2	20,7	21,5
dismissed due to one's own will as agreed by parties	32,8	26,8	28,9	33,0	34,5	38,0	39,6
dismissed due to the end of the contract or labour agreement	7,8	10,4	7,5	9,4	8,2	9,5	8,9
not placed in a job after graduation from educational institutions	15,3	16,0	16,4	15,6	12,2	9,8	9,4
seasonal job	4,7	6,3	9,9	9,7	10,1	9,4	9,6
not employed due to fulfilment of household (family) responsibilities, etc	2,3	2,3	3,7	3,2	4,9	4,7	3,3
layoffs caused by state of health, old-age pension	1,7	0,9	0,9	1,8	2,0	1,1	3,4
demobilised after term military service	1,5	1,3	0,3	0,7	0,7	0,9	0,8
other causes	7,4	3,3	4,6	4,2	4,2	5,9	3,5

LABOUR MARKET

3.13. Average annual number of regular employees, by type of economic activity

(thsd.)

	2010	2015	2016	2017	2018	2019
Total	10758	8065	7868	7679	7662	7443
Agriculture, forestry and fishing	672	479	473	468	453	440
including Agricultural	597	417	410	405	391	383
Industry	2860	2040	1960	1894	1851	1867
Construction	390	182	173	167	179	194
Wholesale and retail trade; repair of motor vehicles and motorcycles	902	687	712	697	761	765
Transportation and storage, postal and courier activities	824	661	660	655	648	635
Transportation	276	267	282	282	264	263
Warehousing and support activities for transportation	443	315	301	297	310	304
Postal and courier activities	105	79	77	76	74	69
Accommodation and food service activities	109	71	76	70	70	76
Information and communication	208	134	122	119	118	112
Financial and insurance activities	271	191	174	168	168	167
Real estate activities	160	92	85	84	86	75
Professional, scientific and technical activities	351	240	231	219	240	198
of which Scientific research and development	138	97	91	87	93	79
Administrative and support service activities	214	192	189	176	176	179
Public administration and defence, compulsory social security	643	484	463	456	455	390
Education	1668	1434	1393	1379	1365	1315
Human health and social work activities	1240	984	972	951	924	872
of which Human health services	1113	880	866	850	828	786
Arts, entertainment and recreation	193	161	155	150	142	134
of which						
Creative, arts and entertainment activities	101	85	84	84	80	74
Libraries, archives, museums and other cultural activities	55	48	47	44	40	38
Other services	53	31	31	27	26	24

LABOUR MARKET

3.14. Average annual number of regular employees, by region

(thsd.)

	2000	2005	2010	2015	2016	2017	2018	2019
Ukraine	13678	11388	10758	8065	7868	7679	7662	7443
Autonomous Republic of Crimea	509	408	411	...	...	...	...	...
oblasts								
Vinnitsya	531	377	330	282	273	269	266	257
Volyn	284	222	200	171	171	172	170	161
Dnipropetrovsk	1111	1017	930	810	791	783	775	750
Donetsk	1477	1290	1156	472	457	412	382	360
Zhytomyr	400	303	255	220	215	208	207	205
Zakarpattya	257	205	201	172	169	165	162	152
Zaporizhzhya	595	499	466	384	372	365	367	351
Ivano-Frankivsk	318	241	225	200	196	192	191	186
Kyiv	469	391	383	344	347	344	354	344
Kirovohrad	317	237	210	180	177	175	176	168
Luhansk	712	604	547	173	150	129	112	102
Lviv	691	581	555	483	474	467	474	472
Mykolayiv	359	288	243	207	200	195	193	186
Odesa	631	536	533	438	429	425	422	412
Poltava	513	417	368	328	310	305	301	293
Rivne	308	242	214	188	182	177	175	170
Sumy	401	308	258	219	214	206	202	193
Ternopil	306	206	183	158	152	149	147	141
Kharkiv	825	709	664	576	574	555	562	546
Kherson	329	231	202	173	165	161	158	148
Khmelnyskiy	427	298	251	220	214	204	204	200
Cherkasy	424	308	272	225	220	222	217	208
Chernivtsi	198	150	140	117	117	114	115	110
Chernihiv	358	278	237	194	190	185	184	176
cities								
Kyiv	846	965	1238	1132	1110	1102	1149	1152
Sevastopol	84	77	86	...	...	...	...	...

LABOUR MARKET

3.15. Average number of regular employees, by type of economic activity of industry

(thsd.)

	2010	2015	2016	2017	2018	2019
Industry	2860	2040	1960	1894	1851	1867
Mining and quarrying	436	255	232	213	202	195
including						
Mining of coal and lignite	266	125	106	85	77	72
Manufacturing	1858	1339	1293	1265	1248	1274
Manufacture of food products, beverages and tobacco products	384	290	282	280	275	293
Manufacture of textiles, apparel, leather and related products	96	72	77	78	78	76
Manufacture of wood and paper products, and printing	85	69	67	69	73	73
Manufacture of coke, and refined petroleum products	49	28	25	17	13	18
Manufacture of chemicals and chemical products	94	62	60	56	56	54
Manufacture of pharmaceuticals, medicinal chemical and botanical products	17	21	22	23	24	24
Manufacture of rubber and plastics products, and other non-metallic mineral products	165	114	110	112	116	119
Manufacture of basic metals and fabricated metal products, except machinery and equipment	354	244	218	207	190	193
Manufacture of computer, electronic and optical products	51	30	31	27	28	26
Manufacture of electrical equipment	64	53	49	50	50	45
Manufacture of machinery and equipment n.e.c.	188	121	120	116	114	112
Manufacture of transport equipment, trailers and semi-trailers and other	154	142	133	136	136	136
Manufacture of furniture and other manufacturing, and repair and installation of machinery and equipment	157	94	100	96	97	105
Electricity, gas, steam and air-conditioning supply	411	326	320	300	286	284
Water supply, sewerage, waste management and remediation	155	119	115	116	115	114

LABOUR MARKET

3.16. Employees recruitment and dismissal rate, by type of economic activity

(percent of averaged payroll staff)

	Recruited		Dismissed	
	2018	2019	2018	2019
Total	29,2	28,2	31,6	32,7
Agriculture, forestry and fishing	50,3	47,1	51,4	54,6
including Agriculture	53,9	50,8	55,1	58,1
Industry	28,6	27,0	31,2	31,6
Construction	46,8	46,0	46,9	51,7
Wholesale and retail trade; repair of motor vehicles and motorcycles	52,8	50,1	52,4	53,1
Transportation and storage, postal and courier activities	27,7	28,4	30,6	33,2
Transportation	27,5	32,4	30,8	36,9
Warehousing and support activities for transportation	24,1	22,7	25,6	27,8
Postal and courier activities	43,2	38,2	50,7	43,1
Accommodation and food service activities	72,5	69,8	74,3	77,3
Information and communication	31,3	31,2	37,3	39,1
Financial and insurance activities	37,2	34,3	39,4	36,4
Real estate activities	31,2	29,6	34,6	35,5
Professional, scientific and technical activities	23,3	21,6	27,9	25,0
of which Scientific research and development	12,3	12,7	15,3	15,7
Administrative and support service activities	45,2	44,4	51,5	52,7
Public administration and defence, compulsory social security	21,2	20,4	20,9	28,4
Education	16,7	15,2	19,3	17,4
Human health and social work activities	15,3	15,3	19,7	19,5
of which Human health services	14,9	15,0	19,5	19,3
Arts, entertainment and recreation	21,1	20,1	22,8	22,3
of which				
Creative, arts and entertainment activities	21,0	19,9	22,3	21,1
Libraries, archives, museums and other cultural activities	15,0	14,4	17,7	16,8
Other services	27,9	25,7	28,9	35,6

LABOUR MARKET

3.17. Use of employees' working hours in 2019, by type of economic activity

	Per one regular employee, h			
	working hours		not fulfilled by reasons of	
	total	percent of the time-book working time fund	holidays without wage (ad interim stopping work)	due to economic reasons transferred to part-time job (week)
Total	1699	85,2	1	6
Agriculture, forestry and fishing	1807	90,7	1	4
of which Agriculture	1819	91,3	1	3
Industry	1725	86,6	2	17
Construction	1788	89,7	3	6
Wholesale and retail trade; repair of motor vehicles and motorcycles	1782	89,4	0	1
Transportation and storage, postal and courier activities	1718	86,2	0	5
Transportation	1765	88,6	1	2
Warehousing and support activities for transportation	1734	87,0	0	9
Postal and courier activities	1474	74,0	0	0
Accommodation and food service activities	1713	86,0	2	3
Information and communication	1772	88,9	0	4
Financial and insurance activities	1766	88,6	0	0
Real estate activities	1773	89,0	1	11
Professional, scientific and technical activities	1712	85,9	2	18
of which Scientific research and development	1675	84,0	1	24
Administrative and support service activities	1804	90,5	0	6
Public administration and defence, compulsory social security	1727	86,7	0	0
Education	1485	74,5	0	0
Human health and social work activities	1746	87,6	0	0
of which Human health services	1753	88,0	0	1
Arts, entertainment and recreation	1625	81,5	0	1
of which				
Creative, arts and entertainment activities	1583	79,4	0	1
Libraries, archives, museums and other cultural activities	1664	83,5	0	0
Other services	1697	85,1	1	5

LABOUR MARKET

3.18. Use of employees' working hours in 2019, by type of economic activity in industry

	Per one regular employee, h			
	working hours		not fulfilled by reasons of	
	total	percent of the time-book working time fund	holidays without wage (ad interim stopping work)	due to economic reasons transferred to part-time job (week)
Industry	1725	86,6	2	17
Mining and quarrying	1587	79,6	2	5
of which				
Mining of coal and lignite	1391	69,8	5	2
Manufacturing	1735	87,1	3	22
Manufacture of food products, beverages and tobacco products	1780	89,3	1	9
Manufacture of textiles, apparel, leather and related products	1733	87,0	4	8
Manufacture of wood and paper products, and printing	1770	88,8	1	14
Manufacture of coke, and refined petroleum products	1750	87,8	0	3
Manufacture of chemicals and chemical products	1747	87,7	3	10
Manufacture of pharmaceuticals, medicinal chemical and botanical products	1753	88,0	0	2
Manufacture of rubber and plastics products, and other non-metallic mineral products	1754	88,0	6	15
Manufacture of basic metals and fabricated metal products, except machinery and equipment	1722	86,4	2	21
Manufacture of computer, electronic and optical products	1650	82,8	3	66
Manufacture of electrical equipment	1644	82,5	6	66
Manufacture of machinery and equipment n.e.c.	1714	86,0	4	29
Manufacture of transport equipment, trailers and semi-trailers and other	1671	83,8	6	57
Manufacture of furniture and other manufacturing, and repair and installation of machinery and equipment	1737	87,2	1	16
Electricity, gas, steam and air-conditioning supply	1754	88,0	0	7
Water supply, sewerage, waste management and remediation	1786	89,6	0	2

LABOUR MARKET

3.19. Employees' labour conditions by type of economic activity¹

(end of 2019)

	Number of regular employees employed in jobs with harmful working conditions			
	total		of which women	
	thsd.	of the total number of regular employees	thsd.	of the total number of regular employees - females
Total	834,4	29,6	183,1	18,1
Agriculture, hunting and related services	44,5	14,5	9,5	9,6
Industry	601,2	34,0	149,5	21,7
Mining and quarrying	129,0	66,5	21,4	40,7
of which				
Mining of coal and lignite	56,1	78,6	9,3	49,4
Manufacturing	339,0	28,5	97,4	19,9
Manufacture of food products, beverages and tobacco products	56,8	20,5	23,1	17,5
Manufacture of textiles, apparel, leather and related products	8,5	12,1	5,6	10,6
Manufacture of wood and paper products, and printing	16,3	25,6	5,2	22,5
Manufacture of coke, and refined petroleum products	8,4	59,5	2,2	48,8
Manufacture of chemicals and chemical products	21,8	37,3	7,1	29,8
Manufacture of pharmaceuticals, medicinal chemical and botanical products	4,9	20,0	2,9	20,0
Manufacture of rubber and plastics products, and other non-metallic mineral products	29,1	28,3	6,8	21,1
Manufacture of basic metals and fabricated metal products, except machinery and equipment	102,4	55,4	23,6	41,3
Manufacture of computer, electronic and optical products	3,1	13,2	1,4	14,3
Manufacture of electrical equipment	8,0	19,4	2,3	13,9
Manufacture of machinery and equipment n.e.c.	21,7	21,1	4,7	14,0
Manufacture of transport equipment, trailers and semi-trailers and other	25,4	19,4	7,7	12,3
Manufacture of furniture and other manufacturing, and repair and installation of machinery and equipment	32,6	33,9	4,6	17,0
Electricity, gas, steam and air-conditioning supply	97,1	34,0	19,4	18,3
Water supply, sewerage, waste management and remediation	36,2	36,5	11,4	28,1
Construction	32,8	22,5	2,8	10,4
Transportation and storage, postal and courier activities	151,3	27,0	20,7	11,3
Telecommunications (communications)	4,5	11,1	0,6	3,7

¹ Data on legal persons and separate units of legal persons according to limits by employees' number are presented

LABOUR MARKET

3.20. Benefits and compensations to employees for jobs with harmful working conditions, by type of economic activity¹

(end of 2019)

	Number of regular employees who have the right for at least one of the types of benefits and compensations			
	total		of which women	
	thsd.	of the total number of regular employees	thsd.	of the total number of regular employees - females
Total	940,0	33,3	222,4	22,0
Agriculture, hunting and related services	53,2	17,3	11,4	11,5
Industry	646,3	36,5	169,0	24,5
Mining and quarrying	131,9	68,0	22,1	42,1
of which				
Mining of coal and lignite	56,7	79,5	9,7	51,6
Manufacturing	362,3	30,4	108,5	22,1
Manufacture of food products, beverages and tobacco products	60,1	21,7	24,5	18,5
Manufacture of textiles, apparel, leather and related products	8,9	12,7	5,9	11,2
Manufacture of wood and paper products, and printing	16,8	26,4	5,4	23,4
Manufacture of coke, and refined petroleum products	9,1	64,6	2,3	49,8
Manufacture of chemicals and chemical products	23,0	39,2	7,7	32,3
Manufacture of pharmaceuticals, medicinal chemical and botanical products	6,7	27,4	4,2	28,5
Manufacture of rubber and plastics products, and other non-metallic mineral products	30,7	29,8	7,3	22,7
Manufacture of basic metals and fabricated metal products, except machinery and equipment	108,2	58,6	27,1	47,4
Manufacture of computer, electronic and optical products	4,3	18,6	2,0	20,2
Manufacture of electrical equipment	9,2	22,5	2,9	17,3
Manufacture of machinery and equipment n.e.c.	23,7	23,0	5,6	16,6
Manufacture of transport equipment, trailers and semi-trailers and other	27,7	21,1	8,7	13,9
Manufacture of furniture and other manufacturing, and repair and installation of machinery and equipment	33,9	35,3	5,0	18,6
Electricity, gas, steam and air-conditioning supply	110,5	38,7	25,2	23,9
Water supply, sewerage, waste management and remediation	41,6	41,9	13,1	32,4
Construction	34,8	23,9	3,1	11,7
Transportation and storage, postal and courier activities	198,2	35,4	37,2	20,3
Telecommunications (communications)	7,6	18,7	1,7	11,4

¹ See the footnote to Table 3.19

LABOUR MARKET

3.21. Collective agreements concluded, by type of economic activity

(end of 2019)

	Total collective agreements concluded and registered, units	Employees covered by agreements	
		thsd.	percentage of total payroll staff
Total	51408	5512,1	73,2
Agriculture, forestry and fishing	3719	258,2	66,7
of which Agriculture	3207	207,4	62,3
Industry	5506	1467,9	78,3
Construction	1148	73,4	40,1
Wholesale and retail trade; repair of motor vehicles and motorcycles	1877	294,3	36,8
Transportation and storage, postal and courier activities	1510	500,3	78,8
Transportation	664	263,7	100,7
Warehousing and support activities for transportation	795	172,7	57,2
Postal and courier activities	51	64,0	89,9
Accommodation and food service activities	341	20,9	27,1
Information and communication	436	59,6	52,6
Financial and insurance activities	199	99,0	53,5
Real estate activities	855	29,4	39,9
Professional, scientific and technical activities	1523	127,7	64,1
of which Scientific research and development	428	69,9	87,5
Administrative and support service activities	1191	90,6	52,9
Public administration and defence, compulsory social security	5059	309,3	79,8
Education	21565	1253,0	90,7
Human health and social work activities	3819	819,5	90,3
of which Human health services	2895	744,1	90,8
Arts, entertainment and recreation	2441	100,4	73,1
of which			
Creative, arts and entertainment activities	1507	57,8	75,9
Libraries, archives, museums and other cultural activities	661	31,3	79,7
Other services	219	8,4	37,7

LABOUR MARKET

3.22. Average monthly wages of regular employees

(KRB)

	Total	Including	
		blue collar and white collar-workers	employees of collective agricultural enterprises
1940	32,20	32,20	—
1945	42,70	42,70	—
1950	62,70	62,70	—
1955	68,80	68,80	—
1960	57,82	78,30	23,68
1965	80,15	93,90	49,76
1970	102,97	115,17	66,56
1975	122,33	133,54	80,77
1980	146,06	155,12	103,63
1985	167,81	173,95	135,55
1990	244,30	248,40	220,40
1991	479,70	495,40	391,00
1992	6505,39	—	—
1993	162790,23	—	—
1994	1427708,22	—	—

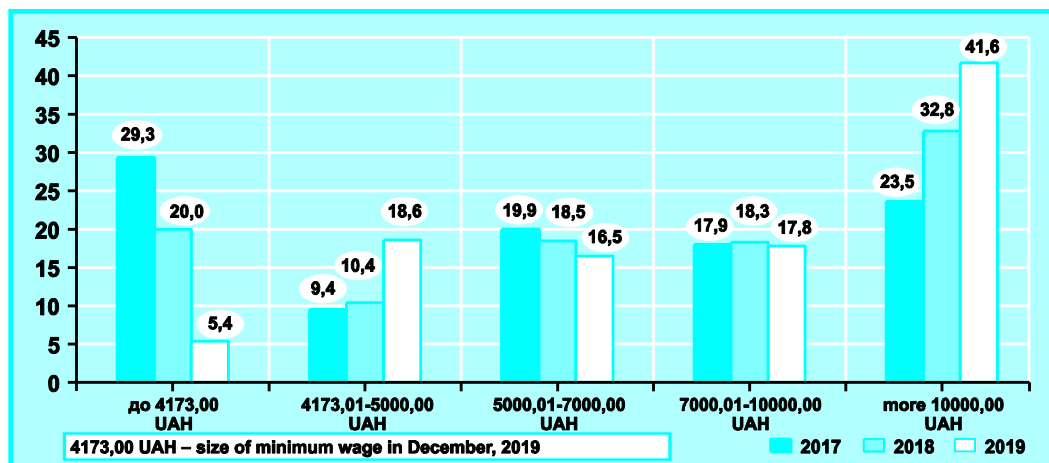
3.23. Average monthly nominal and real wages of regular employees

	Nominal wages, UAH	Percent to the relevant period of the previous year	
		nominal wages	real wages
1995	73	514,2	110,6
2000	230	129,6	99,1
2005	806	136,7	120,3
2010	2239	120,0	110,2
2015	4195	120,5	79,8
2016	5183	123,6	109,0
2017	7104	137,1	119,1
2018	8865	124,8	112,5
2019	10497	118,4	109,8
By month			
January	9223	119,6	109,5
February	9429	120,4	110,7
March	10237	122,1	112,5
April	10269	121,1	111,2
May	10239	117,4	107,0
June	10783	118,0	108,1
July	10971	119,6	109,5
August	10537	117,4	107,7
September	10687	118,2	109,8
October	10727	116,4	109,2
November	10679	116,6	110,8
December	12264	116,0	111,3

LABOUR MARKET

3.24. Distribution of regular employees in December of 2017–2019, by nominal wages

(percent)



3.25. Average monthly nominal wages of regular employees, by type of economic activity

(UAH)

	2010	2015	2016	2017	2018	2019	
						UAH	percent of 2018
Total	2239	4195	5183	7104	8865	10497	118,4
Agriculture, forestry and fishing	1472	3309	4195	6057	7557	8856	117,2
of which Agriculture	1430	3140	3916	5761	7166	8738	121,9
Industry	2570	4789	5902	7631	9633	11788	122,4
Construction	1758	3551	4731	6251	7845	9356	119,3
Wholesale and retail trade; repair of motor vehicles and motorcycles	1877	4692	5808	7631	9404	10795	114,8
Transportation and storage, postal and courier activities	2658	4653	5810	7688	9860	11704	118,7
Transportation	2555	4556	5776	7883	10010	11754	117,4
Warehousing and support activities for transportation	2993	5358	6603	8485	10884	12954	119,0
Postal and courier activities	1523	2180	2818	3851	5044	5993	118,8
Accommodation and food service activities	1455	2786	3505	4988	5875	6730	114,6
Information and communication	3161	7111	9530	12018	14276	17543	122,9
Financial and insurance activities	4638	8603	10227	12865	16161	19132	118,4
Real estate activities	1856	3659	4804	5947	7329	8626	117,7
Professional, scientific and technical activities	2869	6736	8060	10039	12144	14550	119,7
of which Scientific research and development	2874	4972	6119	8212	10259	11649	113,6
Administrative and support service activities	1839	3114	3995	5578	7228	8700	120,4
Public administration and defence, compulsory social security	2722	4381	5953	9372	12698	14785	116,4
Education	1905	3132	3769	5857	7041	8135	115,5
Human health and social work activities	1628	2829	3400	4977	5853	7020	120,0
of which Human health services	1637	2853	3435	5023	5898	7087	120,2
Arts, entertainment and recreation	1928	4134	4844	6608	7612	8659	113,8
of which							
Creative, arts and entertainment activities	1883	3150	3828	5774	6801	7834	115,2
Libraries, archives, museums and other cultural activities	1911	3049	3705	5464	6381	7519	117,8
Other services	1717	3634	4615	6536	8132	9096	111,8

LABOUR MARKET

3.26. Average monthly nominal wages of regular employees, by region

(UAH)

	2010	2015	2016	2017	2018	2019	
						UAH	percent of 2018
Ukraine	2239	4195	5183	7104	8865	10497	118,4
Autonomous Republic of Crimea	1991	...	...	...	...	...	...
oblasts							
Vinnitsya	1782	3396	4189	6121	7801	9299	119,2
Volyn	1692	3291	4047	5849	7324	8663	118,3
Dnipropetrovsk	2369	4366	5075	6939	8862	10751	121,3
Donetsk	2549	4980	5989	7764	9686	11716	121,0
Zhytomyr	1785	3271	4000	5836	7372	8528	115,7
Zakarpattya	1846	3381	4298	6355	8070	9202	114,0
Zaporizhzhya	2187	4200	5080	6863	8726	10480	120,1
Ivano-Frankivsk	1927	3402	4202	6074	7551	8817	116,8
Kyiv	2295	4153	5229	7188	9097	11003	120,9
Kirovohrad	1815	3282	3974	5792	7191	8360	116,3
Luhansk	2271	3427	4637	5862	7365	8731	118,5
Lviv	1941	3646	4559	6391	8001	9271	115,9
Mykolayiv	2122	3984	4887	6709	8160	9976	122,2
Odesa	2046	3897	4809	6542	8011	9246	115,4
Poltava	2102	3783	4621	6551	8375	9846	117,6
Rivne	1960	3573	4364	6013	7469	8967	120,1
Sumy	1866	3449	4131	5946	7324	8579	117,1
Ternopil	1659	2994	3695	5554	6969	8275	118,7
Kharkiv	2060	3697	4448	6244	7657	9081	118,6
Kherson	1733	3123	4046	5842	7058	8187	116,0
Khmelnyskiy	1786	3371	4043	5938	7346	8672	118,1
Cherkasy	1835	3360	4148	6042	7478	8838	118,2
Chernivtsi	1772	3050	3828	5621	6991	8066	115,4
Chernihiv	1711	3295	4002	5636	6995	8206	117,3
cities							
Kyiv	3431	6732	8648	11135	13542	15776	116,5
Sevastopol	2167	...	...	...	...	...	...

LABOUR MARKET

3.27. Average monthly nominal wages of regular employees, by type of economic activity of industry

(UAH)

	2010	2015	2016	2017	2018	2019	
						UAH	percent of 2018
Industry	2570	4789	5902	7631	9633	11788	122,4
Mining and quarrying including	3563	6164	7426	9704	12452	15630	125,5
Mining of coal and lignite	3790	5944	7361	9557	12158	14831	122,0
Manufacturing	2284	4477	5543	7299	9196	11011	119,7
Manufacture of food products, beverages and tobacco products	2138	4184	5182	6756	8338	9986	119,8
Manufacture of textiles, apparel, leather and related products	1336	2877	3773	5414	6735	7469	110,9
Manufacture of wood and paper products, and printing	1866	3717	4800	6475	8241	9297	112,8
Manufacture of coke, and refined petroleum products	3259	6181	6511	8106	10966	15019	137,0
Manufacture of chemicals and chemical products	2384	4988	5932	7552	8796	11340	128,9
Manufacture of pharmaceuticals, medicinal chemical and botanical products	3490	8254	11028	13846	16754	19511	116,5
Manufacture of rubber and plastics products, and other non-metallic mineral products	1968	3952	5144	6858	8667	10347	119,4
Manufacture of basic metals and fabricated metal products, except machinery and equipment	2879	5645	6717	8423	11022	13451	122,0
Manufacture of computer, electronic and optical products	2051	4619	6787	9000	10640	12509	117,6
Manufacture of electrical equipment	2102	3870	4803	6840	8731	10153	116,3
Manufacture of machinery and equipment n.e.c.	2219	4120	5080	6923	8522	10349	121,4
Manufacture of transport equipment, trailers and semi-trailers and other	2394	4331	5441	7597	10008	11665	116,6
Manufacture of furniture and other manufacturing, and repair and installation of machinery and equipment	2070	4065	5290	7017	9003	10950	121,6
Electricity, gas, steam and air-conditioning supply	3028	5462	6918	8493	10790	13989	129,6
Water supply, sewerage, waste management and remediation	1980	3498	4039	5199	6549	8396	128,2

LABOUR MARKET

**3.28. The number and nominal wages of regular employees in 2019,
by sex and type of economic activity**

	Averaged payroll staff, thsd.		Average monthly nominal wages of regular employees		
	males	females	males, UAH	females	
				UAH	percent of average monthly wages of males
Total	3442,3	4000,7	11961	9237	77,2
Agriculture, forestry and fishing	314,0	126,5	9398	7510	79,9
of which Agriculture	266,1	116,8	9351	7341	78,5
Industry	1169,0	698,1	13044	9686	74,3
Construction	159,1	34,7	9456	8895	94,1
Wholesale and retail trade; repair of motor vehicles and motorcycles	377,2	388,1	11927	9695	81,3
Transportation and storage, postal and courier activities	403,4	231,6	12764	9858	77,2
Transportation	182,2	80,7	11899	11426	96,0
Warehousing and support activities for transportation	210,2	93,3	13731	11201	81,6
Postal and courier activities	11,0	57,6	8625	5491	63,7
Accommodation and food service activities	26,9	48,8	7151	6497	90,9
Information and communication	59,9	51,7	19308	15498	80,3
Financial and insurance activities	52,2	114,5	25439	16257	63,9
Real estate activities	43,3	31,7	8949	8184	91,4
Professional, scientific and technical activities	90,6	107,1	16510	12892	78,1
of which Scientific research and development	37,6	41,5	13133	10305	78,5
Administrative and support service activities	103,6	75,7	8517	8950	105,1
Public administration and defence, compulsory social security	138,5	251,9	15222	14544	95,5
Education	290,0	1025,5	8380	8066	96,2
Human health and social work activities	157,6	713,9	7693	6872	89,3
of which Human health services	145,1	640,6	7764	6934	89,3
Arts, entertainment and recreation	44,6	89,3	11387	7298	64,1
of which					
Creative, arts and entertainment activities	24,5	49,3	8824	7342	83,2
Libraries, archives, museums and other cultural activities	8,8	29,7	8230	7309	88,8
Other services	12,4	11,3	9645	8495	88,1

4. INCOME AND LIVING CONDITIONS

Income of the population (nominal income) is a sum of monetary funds and material benefits (wages, profit and mixed income; income received from property, social aid; social transfers in kind and other current transfers) aimed at supporting the physical, moral, economic and intellectual condition of human being and satisfaction of his/her needs.

Disposable income is nominal income after the deduction of taxes and other compulsory payments, i.e. funds used by the population for consumption and savings.

Household living conditions sample survey is the main source of data on the living standards of the population and its selected sections, the structure of household income and expenditure, consumption of food and services depending on the level of well-being, composition of households and other social and economic characteristics.

Since 1999 Ukraine has been conducting this sample survey. It is a continuous survey based on international standards that meet current social and demographic situation in Ukraine.

Household is a group of individuals who live together in a dwelling or its part and make common provision for living, keep a house, are completely or partially united and spend common funds. These individuals can be in blood or in-law relationships, be entirely unrelated or be in both of them. Household can consist of one person (Article 1 of Ukraine's law *On Population Census*).

Households participate in the survey for one year.

The survey is conducted every quarter. The survey is conducted in non-institutional (individual) households. Population who reside in collective households (compulsory-duty servicemen, the persons who are in the detention facilities, the persons who permanently reside in care homes, homes for

the aged) are not surveyed, and marginal sections of the population. The design of the sample survey excludes contaminated areas (isolated and eviction areas).

Since 2004, household living conditions survey covers dwellers in all hostels (for families, students, etc). In 1999–2003, only dwellers in family hostels were surveyed.

In 2019 the sampled population of the survey included 12148 households (excluding households who reside within the temporarily occupied territory of the Autonomous Republic of Crimea, the city of Sevastopol and a part of temporarily occupied territories in the Donetsk and Luhansk regions). During the year 8107 households took part in the survey (selected addresses accounted for 70,6%, excluding non-resident dwellings).

Since 2007, the studies of the household well-being are based on income indicators; before 2007 expenditure indicators were used.

Monetary expenditure of the households comprise: expenses for purchasing foodstuffs, alcoholic drinks and tobacco products, non-food items and services, expenditure associated with keeping a private subsidiary agriculture, rendering assistance to relations and other individuals, constructing, major repairing of dwellings and utility rooms, purchasing of livestock, horses and perennial plantings for private subsidiary agriculture, acquiring shares, certificates, hard currency, making deposits with banks, paying maintenance and taxes (excluding income tax), duties, contributions, etc.

Total expenditure consist of monetary expenditure and value of consumed by household agriculture foodstuffs that were privately produced or given by their relatives or their other individuals, benefits and non-cash subsidies meant to pay for housing, communal utilities and services, benefits for telephone calls, travelling in transport, health goods and

services, tourist services, places in sanatoria, etc. Value of privately produced foodstuffs given by households to their relatives and other individuals is included into the total expenditure since this assistance occurs in a regular arrangement.

Monetary income of the households includes cash and in-kind (in monetary terms) revenues that household members received as labour compensation (excluding income tax and compulsory payments), income from entrepreneurship and self-employment, property income as interests and dividends, income from selling shares and other securities, revenues from privately produced agriculture foodstuffs and products received as procurement on own behalf from own resources, pensions, stipends, social aid (benefits and subsidies in cash meant to pay for housing and communal services, electricity and fuel, compensations for the unused sanatorium-and-spa treatment entitlement, travel privileges for some categories of citizens), monetary assistance received from relatives and other individuals, and other monetary income.

Total income incorporates monetary income, value of the consumed output produced at a private subsidiary agriculture (excluding expenditure for output) as procurement on own behalf, benefits and subsidies meant to reimburse communal services, electricity and fuel, non-cash subsidies meant to pay for health goods and services, tourist services, places in sanatoria, etc, benefits for travelling in transport and communication and also value of foodstuffs given their relatives or other individuals.

Total resources includes total income, revenues from selling real estate, private and household property and the sum of the used savings, increased loans, credits, debts that households have acquired as well as debts paid off to households. This indicator shows the potential household resources that were obtained during the reference period regardless of the sources from which they had been derived.

Subsistence level is the amount sufficient to ensure the normal functioning of the human being's organism, preservation of its health, a set of foodstuffs, and a minimum set of non-food items and a minimum set of services which are necessary to satisfy the basic social and cultural needs of an individual.

Actual subsistence line is calculated monthly by the Ministry of Social Policy of Ukraine to observe the movements of the living standards in Ukraine on the basis of statistical data on rate of consumer prices (Ukraine's law *On subsistence line*).

Quintile coefficient for differentiating the population expenditure is a ratio between minimal expenditure that 20% of the most well-off population have and maximum expenditure that is enjoyed by another 20% of the low-income population.

Quintile coefficient for funds is a ratio of the total expenditure between 20% of the most well off population and 20% of the low-income population.

Since 2011, when calculating per capita average indicators for expenditure and resources as well as indicators for differentiation of the population and households by level of material welfare according to modern international practice, a scale of equivalence was used which reflects a decrease in minimum necessary wants per one member of household due to increase in size of households and changes in its composition. Since 2000, to ensure time series comparisons, the indicators for differentiation of the population and households by level of material welfare have been revised with due account for the scale of equivalence.

Since the survey is completely new, all its components starting with the sample design and up to the system of analytical indicators are also new. It is not recommended to make comparisons with data from sample survey of family budgets which was conducted up to 1999.

INCOME AND LIVING CONDITIONS

4.1. Population income and expenditure

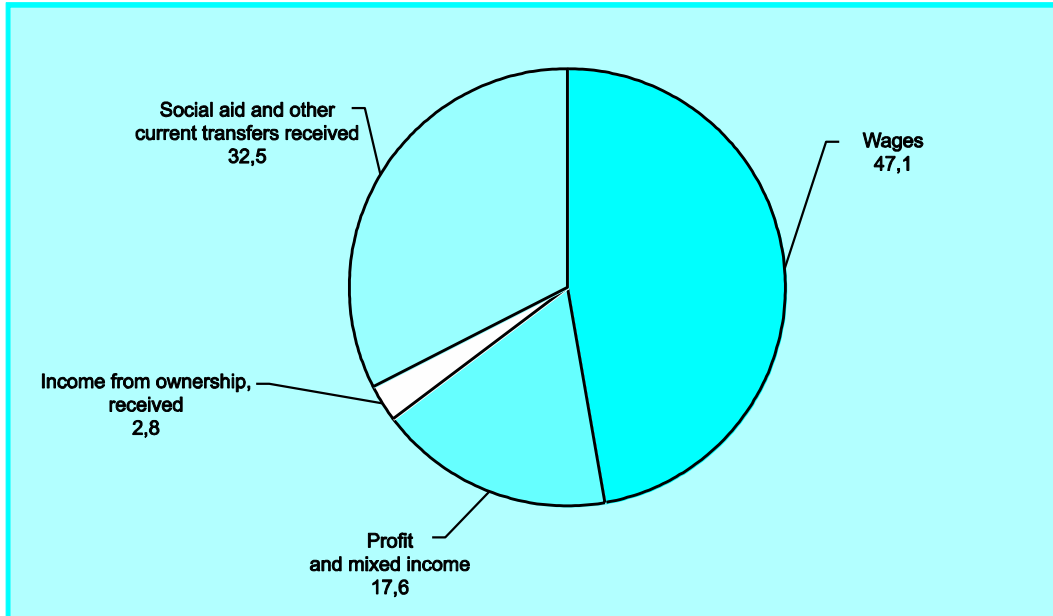
(mln. UAH)

	2000	2005	2010	2015 ¹	2016 ¹	2017 ¹	2018 ¹	2018 over 2017, percent
Income	128736	381404	1101175	1772016	2051331	2652082	3248730	122,5
of which								
wages	55853	160621	449553	709590	898326	1209097	1529367	126,5
profit and mixed income	24696	58404	160025	323506	378213	477854	572065	119,7
income from ownership, received	3322	11072	67856	80035	75452	78673	91164	115,9
social aid and other current transfers received	44865	151307	423741	658885	699340	886458	1056134	119,1
Expenditure and savings	128736	381404	1101175	1772016	2051331	2652082	3248730	122,5
of which								
purchase of goods and services	115887	306769	838213	1568173	1840262	2359985	2884971	122,2
income from ownership, paid	158	3523	28844	18583	15564	21561	29975	139,0
current taxes on income, property and other current transfers paid	8488	25461	72251	154187	182914	239898	302237	126,0
accumulation of non-financial assets	3099	4444	19578	-2117	-5481	-32060	-22889	×
increase in financial assets	1104	41207	142289	33190	18072	62698	54436	86,8
<i>Available income</i>	<i>96609</i>	<i>298275</i>	<i>847949</i>	<i>1362599</i>	<i>1582293</i>	<i>2008278</i>	<i>2470325</i>	<i>123,0</i>
<i>Real available income, percent of the previous year</i>	<i>104,1</i>	<i>123,9</i>	<i>117,1</i>	<i>79,6</i>	<i>102,0</i>	<i>110,9</i>	<i>110,9</i>	<i>×</i>

¹ The compilations are made in line with the *Methodological explanations on the updated version of the SNA 2008* (SSSU Decree 398 of December 17, 2013)

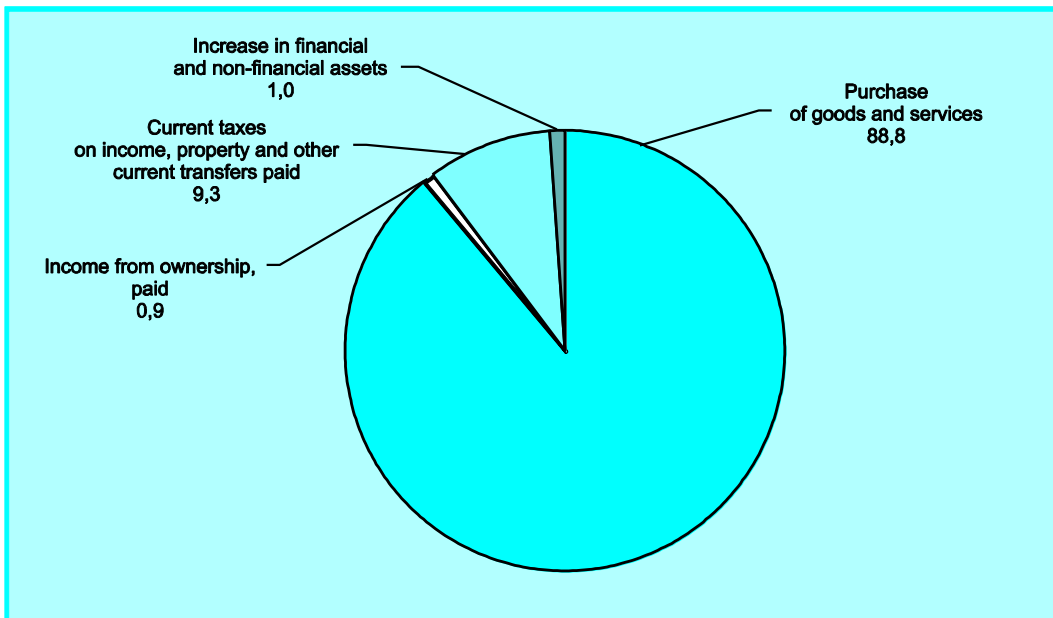
4.2. Structure of population income in 2018

(percent)



4.3. Structure of population expenditure and savings in 2018

(percent)



INCOME AND LIVING CONDITIONS

 4.4. Population income, by region¹

(mln. UAH)

	2017			2018			2019 ²		
	income	available income		income	available income		income	available income	
		total	per capita, UAH		total	per capita, UAH		total	per capita, UAH
Ukraine	2652082	2008278	47270	3248730	2470325	58442	3699346	2838056	67528
Autonomous Republic of Crimea	...	...	...	...	...	...	...	...	...
oblasts									
Vinnnytsya	94417	71930	45436	114480	87397	55734	129787	100518	64729
Volyn	53204	40043	38514	63810	47822	46120	71537	54645	52879
Dnipropetrovsk	245778	185230	57333	307844	240620	74755	352532	278074	87130
Donetsk	141340	106733	25278	174771	141559	33840	197830	162394	39141
Zhytomyr	70126	52753	42684	84830	64613	52715	96583	75233	61961
Zakarpattya	56568	42652	33891	69194	52083	41418	77568	59621	47495
Zaporizhzhya	122759	93942	54261	147627	111553	65065	166508	127935	75407
Ivano-Frankivsk	73474	55947	40580	87479	67015	48724	97919	76124	55537
Kyiv	117755	88379	50664	150606	115569	65623	171660	133347	75146
Kirovohrad	54514	40580	42227	63999	47900	50373	71726	54752	58290
Luhansk	49342	35814	16416	58880	45901	21252	65859	52477	24477
Lviv	152256	113883	44981	189077	142941	56592	216966	165350	65691
Mykolayiv	67558	51964	45356	81581	63024	55469	91709	71678	63685
Odesa	153640	119505	50111	193923	150412	63153	221965	173188	72805
Poltava	92768	69116	48663	114656	86746	61649	129922	99827	71627
Rivne	61831	46846	40325	73661	55845	48184	81307	62587	54183
Sumy	67287	50410	45852	79848	60736	55829	90518	70195	65310
Ternopil	52196	38224	36204	61731	45717	43577	68968	51951	49843
Kharkiv	175850	130484	48370	216227	151480	56421	246086	174779	65534
Kherson	57144	43834	41695	68064	52318	50195	75701	58983	57110
Khmelnyskiy	73520	55848	43638	86821	64287	50640	96886	73073	58008
Cherkasy	69399	51304	41854	82600	61398	50600	92974	70523	58808
Chernivtsi	43542	32861	36215	52108	38721	42762	57755	43574	48255
Chernihiv	58255	43636	42501	69247	51874	51213	76985	58816	58904
cities									
Kyiv	447559	346360	118208	555666	422794	143676	652095	488412	165054
Sevastopol	...	...	...	...	...	...	...	...	...

¹ See the footnote to Table 4.1

² Preliminary data

INCOME AND LIVING CONDITIONS

4.5. Average monthly pension¹

(source: by Pension Fund of Ukraine; as of January 1)

	2001	2006	2011	2016	2017	2018	2019	2020
Average monthly pensions payable to pensioners from the Pension Fund of Ukraine, UAH	83,7	406,8	1151,9	1699,5	1828,3	2479,2	2645,7	3083,0
including								
old age	85,2	417,7	1156,0	1690,3	1808,9	2556,7	2648,2	3064,8
disability	94,5	393,2	1033,8	1545,2	1705,9	2000,9	2118,6	2641,1
of which								
due to accident at work or occupational disease	89,7	280,5	824,7	1193,0	1383,1	1557,3	1752,7	1730,0
1 st group	99,8	290,2	771,7	1102,2	1281,9	1464,7	2163,0	1675,0
2 nd group	89,3	290,3	796,4	1131,5	1313,0	1483,9	2080,3	1636,2
3 rd group	88,7	277,8	831,8	1206,4	1398,3	1575,0	1664,2	1747,6
to survivors who lost their benefactor	61,0	302,8	940,0	1640,3	1803,0	2368,0	2491,5	2916,5
of which								
to families of employees and agricultural workers who lost their benefactor	58,8	299,1	912,2	1417,8	1525,9	2112,1	2160,0	2618,7
long service	105,8	443,9	1719,1	2282,4	2384,9	2595,2	3970,6	4500,5
entitled welfare pensions	43,7	339,6	744,8	1099,0	1268,6	1450,6	1499,6	1644,3

¹ Since the beginning of 2006 and onward, including compensation paid and target aid as provided by current legislation. Since the beginning of 2011, the average pension size apart of *age pension, due to accident at work or occupational disease, to families of employees and agricultural workers who lost their benefactor, entitled welfare pensions* categories include the pensioners to whom the pensions are assigned and paid by the Ukraine's Pension Fund bodies according to Ukraine's law *On pension fund scheme for persons who quit the military and some other persons*

INCOME AND LIVING CONDITIONS

4.6. Differentiation of household living standards¹

	Quintile coefficient for differentiating the population income ² , times		Ratio of income of richest and poorest 20% population, times		Share of the population with per capita average equivalent money income per month, lower				
					legislatively established subsistence line ³ , percent		actual subsistence line ⁴ , percent		
	money	total	money	total	money	total	money	total	
2000	2,6	2,2	5,4	4,1	94,6	87,4	...	...
2005	2,1	2,1	4,1	3,6	64,0	28,4	...	...
2010	2,1	1,9	4,0	3,5	15,6	8,8	...	...
2015	2,0	1,9	3,5	3,2	11,1	6,4	62,6	51,9	
2016	2,0	1,9	3,4	3,0	10,2	3,8	65,0	51,1	
2017	2,1	1,9	3,6	3,3	6,8	2,4	49,0	34,9	
2018	2,2	2,0	3,8	3,3	4,3	1,3	38,6	27,6	
2019	2,3	2,1	3,9	3,5	2,6	1,1	29,9	23,1	

¹ Data of the household living condition survey

² Since 2007, behind the research of the population (households) differentiation by level of material wellbeing are the indicators of monetary and total income (in 2000/2006 the indicators of monetary and aggregated expenditure were used as criteria of differentiation). Since 2011, while calculating per capita indicators as well as indicators of (households) population differentiation by level of material well being according to modern-international practice, the equivalency scale was launched. To ensure the comparisons of indicators in time series, the re-calculation of data for 2000/2010 was made taking into account the equivalence scale and the usage of income indicators as differentiation criteria

³ Legislatively established subsistence line: in 2000, 270,10 UAH; in 2005 – 423,0 UAH; in 2010 – 843,17 UAH; in 2015 – 1227,33 UAH; in 2016 – 1388,08 UAH; in 2017 – 1603,67 UAH; in 2018 – 1744,83 UAH; in 2019 – 1902,08 UAH

⁴ Actual subsistence line: in 2015 – 2257,0 UAH; in 2016 – 2642,38 UAH; in 2017 – 2941,46 UAH; in 2018 – 3262,67 UAH, 2019 – 3660,94 UAH

INCOME AND LIVING CONDITIONS

4.7. Households, by size and number of children

(percent)

	2015			2018			2019		
	all households	including by areas		all households	including by areas		all households	including by areas	
		urban	rural		urban	rural		urban	rural
All households	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
including households consisting of									
one person	20,3	19,1	22,7	19,7	17,8	23,5	19,5	19,0	20,8
two persons	32,5	33,2	30,9	32,8	34,4	29,5	33,4	33,8	32,6
three persons	25,9	28,7	20,2	26,5	29,3	20,8	26,7	28,5	22,7
four persons	13,7	13,7	13,9	14,0	13,8	14,4	13,2	13,3	13,1
five and more persons	7,6	5,3	12,3	7,0	4,7	11,8	7,2	5,4	10,8
Average household size, persons	2,59	2,54	2,68	2,58	2,54	2,67	2,58	2,54	2,67
Percentage of households with children aged under 18	38,2	39,5	35,4	37,8	39,5	34,4	37,9	39,8	34,0
Percentage of households without children	61,8	60,5	64,6	62,2	60,5	65,6	62,1	60,2	66,0
Of total households, percentage of households with children aged									
under 3	8,0	8,0	7,9	7,5	8,2	6,0	5,7	6,2	4,6
under 7	18,9	19,7	17,2	17,9	19,5	14,8	17,9	20,0	13,6
under 14	30,9	32,7	27,3	31,7	33,4	28,1	32,1	34,5	27,1
under 16	35,0	36,6	31,7	35,2	36,9	31,7	35,1	37,0	31,3

4.8. Households with children, by number of children

(percent)

	2015			2018			2019		
	all households	including by areas		all households	including by areas		all households	including by areas	
		urban	rural		urban	rural		urban	rural
All households with children	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
including households with									
one child	75,7	78,4	69,4	75,1	77,5	69,6	74,6	75,7	72,3
two children	21,2	19,7	24,6	21,4	19,8	25,1	22,6	22,5	22,7
three children	2,6	1,6	5,0	3,1	2,5	4,4	2,4	1,7	4,1
four or more children	0,5	0,3	1,0	0,4	0,2	0,9	0,4	0,1	0,9

INCOME AND LIVING CONDITIONS

4.9. Population, by per capita equivalent money income

(percent)

	2015			2018			2019		
	all house- holds	including by areas		all house- holds	including by areas		all house- holds	including by areas	
		urban	rural		urban	rural		urban	rural
Total population	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
Monthly average per capita equivalent money income, UAH									
under 3000,0	84,5	82,0	89,3	31,5	26,4	41,1	17,0	12,2	26,6
3000,1–4000,0	15,5 ¹	18,0 ¹	10,7 ¹	26,2 ²	25,8 ²	27,2 ²	19,8	18,4	22,6
4000,1–5000,0	...	...	...	18,8 ³	19,9 ³	16,5 ³	19,8	20,1	19,1
5000,1–6000,0	...	...	...	23,5 ⁴	27,94 ⁴	15,2 ⁴	14,5	15,1	13,2
6000,1–7000,0	...	...	...	...	...	...	9,3	9,9	7,9
7000,1–8000,0	...	...	...	...	...	...	7,0	8,2	4,6
8000,1–9000,0	...	...	...	...	...	...	3,9	4,4	2,8
9000,1–10000,0	...	...	...	...	...	...	2,8	3,6	1,1
10000,1–11000,0	...	...	...	...	...	...	2,1	2,6	1,4
11000,1–12000,0	...	...	...	...	...	...	1,2	1,6	0,4
over 12000,0	...	...	...	...	...	...	2,6	3,9	0,3
Quintile differentiation coefficient of cash income of the population, times	2,0	2,0	1,8	2,2	2,2	2,1	2,3	2,2	2,2
Ratio of money income richest and poorest 20% population (quintile coefficient for funds), times	3,5	3,5	3,3	3,8	3,8	3,4	3,9	3,8	3,6
Share of the population with per capita average equivalent money income per month, lower									
legislatively established subsistence line ⁵	11,1	8,7	15,9	4,3	2,9	7,1	2,6	1,2	5,3
actual subsistence line ⁶	62,6	57,6	72,4	38,6	33,6	48,4	29,9	23,8	42,0

¹ Over 3000 UAH

² In 2018, 3000,1–4080,0 UAH

³ In 2018, 4080,1–5160,0 UAH

⁴ In 2018, over 5160,0 UAH

⁵ In 2015 – 1227,33 UAH; in 2018 – 1744,83 UAH; in 2019 – 1902,08 UAH

⁶ In 2015 – 2257,0 UAH; in 2018 – 3262,67 UAH; in 2019 – 3660,94 UAH

INCOME AND LIVING CONDITIONS

4.10. Households, by per capita equivalent money income

(percent)

	2015			2018			2019		
	all households	including by areas		all households	including by areas		all households	including by areas	
		urban	rural		urban	rural		urban	rural
All households	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
Monthly average per capita equivalent money income, UAH									
under 3000,0	82,4	79,8	87,7	31,5	27,0	41,0	17,6	13,0	27,2
3000,1–4000,0	17,6 ¹	20,2 ¹	12,3 ¹	25,2 ²	24,6 ²	26,7 ²	19,7	18,4	22,5
4000,1–5000,0	...	...	...	18,1 ³	18,8 ³	16,2 ³	18,7	18,7	18,6
5000,1–6000,0	...	...	...	25,2 ⁴	29,6 ⁴	16,1 ⁴	14,0	14,7	12,6
6000,1–7000,0	...	...	...	...	...	...	9,1	9,8	7,6
7000,1–8000,0	...	...	...	...	...	...	6,9	8,0	4,5
8000,1–9000,0	...	...	...	...	...	...	4,0	4,4	3,1
9000,1–10000,0	...	...	...	...	...	...	2,9	3,8	1,2
10000,1–11000,0	...	...	...	...	...	...	2,5	3,0	1,6
11000,1–12000,0	...	...	...	...	...	...	1,5	1,9	0,6
over 12000,0	...	...	...	...	...	...	3,1	4,3	0,5
Share of the households with per capita average equivalent money income per month, lower									
legislatively established subsistence line ⁵	9,4	7,7	13,0	4,1	3,2	6,1	2,5	1,2	5,2
actual subsistence line ⁶	60,7	55,8	64,5	38,8	34,0	48,7	30,8	24,9	42,9

¹ See the first footnote to Table 4.9

² See the second footnote to Table 4.9

³ See the third footnote to Table 4.9

⁴ See the fourth footnote to Table 4.9

⁵ See the fifth footnote to Table 4.9

⁶ See the six footnote to Table 4.9

INCOME AND LIVING CONDITIONS

4.11. Households in 2019, by per capita equivalent money income, household size and number of children

(percent)

	All households	Monthly average per capita equivalent money income, UAH					
		under 3000,0	3000,1–4000,0	4000,1–5000,0	5000,1–6000,0	6000,1–7000,0	7000,1–8000,0
All households	100,0	17,6	19,7	18,7	14,0	9,1	6,9
Breakdown by level of average per capita equivalent money income of households consisting of							
one person	100,0	26,5	22,1	14,8	11,5	7,3	5,3
two persons	100,0	14,4	19,5	18,3	12,8	9,2	7,2
three persons	100,0	13,8	16,9	19,1	18,2	10,4	7,8
four persons	100,0	17,3	21,3	22,4	13,8	9,5	7,1
five persons and more	100,0	23,1	22,3	22,9	12,0	7,8	5,7
All households with children	100,0	17,3	20,5	23,3	15,7	9,3	6,1
Breakdown by level of average per capita equivalent money income of households with							
one child	100,0	14,3	18,0	25,1	16,8	10,0	7,1
two children	100,0	23,5	28,7	17,3	13,6	8,2	3,2
three children	100,0	45,4	22,7	23,7	1,8	1,1	4,3
four or more children	100,0	67,5	17,8	12,3	1,7	0,1	0,6

Table 4.11 continued

	Monthly average per capita equivalent money income, UAH						for reference: under	
	8000,1–9000,0	9000,1–10000,0	10000,1–11000,0	11000,1–12000,0	over 12000,0	under		
						1902,08 UAH ¹	3660,94 UAH ²	
All households								
Breakdown by level of average per capita equivalent money income of households consisting of								
one person	3,2	2,1	2,7	1,2	3,3	2,9	42,5	
two persons	4,4	3,7	3,4	2,7	4,4	2,0	27,6	
three persons	5,4	3,3	2,6	0,6	1,9	2,2	24,6	
four persons	2,4	2,2	1,1	1,2	1,7	2,6	29,1	
five persons and more	2,3	1,3	0,1	0,1	2,4	4,6	39,4	
All households with children	3,5	1,6	1,0	0,5	1,2	3,1	29,7	
Breakdown by level of average per capita equivalent money income of households with								
one child	3,9	2,0	1,2	0,4	1,2	2,8	24,3	
two children	2,2	0,5	0,7	0,9	1,2	4,0	42,9	
three children	1,0	—	—	—	—	4,5	66,3	
four or more children	—	—	—	—	—	10,3	83,9	

¹ The size of the legislatively established subsistence line in 2019

² The size of the actual subsistence line in 2019

INCOME AND LIVING CONDITIONS

4.12. Structure of household money expenditure

(average monthly per one household)

	2015			2018			2019		
	all house- holds	including by areas		all house- holds	including by areas		all house- holds	including by areas	
		urban	rural		urban	rural		urban	rural
Total money expenditure, UAH	4448,7	4742,9	3846,7	7438,1	8034,0	6207,8	8900,8	9580,4	7492,6
	Percent								
Consumption money expenditure	91,9	94,5	85,3	90,7	92,9	84,5	90,1	92,3	83,8
food products (including catering outside home, alcoholic beverages and tobacco)	54,8	56,8	49,8	50,9	52,4	46,2	48,5	49,9	44,4
manufactured goods and services	37,1	37,7	35,5	39,8	40,5	38,3	41,6	42,4	39,4
Monetary support to relatives, friends and other persons	2,9	2,4	4,0	3,0	2,6	4,3	2,9	2,4	4,1
Other expenditure (on personal subsistence farms, purchase of shares and certificates, bank deposits, alimony, housing construction, etc)	5,2	3,1	10,7	6,3	4,5	11,2	7,0	5,3	12,1

4.13. Structure of household money expenditure, by household size

(average monthly per one household)

	2018						2019					
	all house- holds	number of members					all house- holds	number of members				
		one	two	three	four	five and more		one	two	three	four	five and more
Total money expenditure, UAH	7438,1	3912,3	6793,4	8821,0	9489,0	11047,8	8900,8	4607,0	8077,4	10325,4	11931,8	13550,0
	Percent											
Consumption money expenditure	90,7	91,3	89,7	91,0	91,3	90,6	90,1	90,8	88,7	90,3	91,7	90,1
food products (including catering outside home, alcoholic beverages and tobacco)	50,9	54,3	51,7	49,2	50,1	51,4	48,5	50,8	48,2	48,3	48,9	47,2
manufactured goods and services	39,8	37,0	38,0	41,8	41,2	39,2	41,6	40,0	40,5	42,0	42,8	42,9
Monetary support to relatives, friends and other persons	3,0	4,0	4,3	2,5	1,9	2,0	2,9	3,5	4,2	2,2	2,0	1,7
Other expenditure (on personal subsistence farms, purchase of shares and certificates, bank deposits, alimony, housing construction, etc)	6,3	4,7	6,0	6,5	6,8	7,4	7,0	5,7	7,1	7,5	6,3	8,2

INCOME AND LIVING CONDITIONS

4.14. Structure of money expenditure for households with children, by number of children

(average monthly per one household)

	2018					2019				
	all households with children	number of children				all households with children	number of children			
		one	two	three	four and more		one	two	three	four and more
Total money expenditure, UAH	9197,8	9046,9	9623,0	10053,0	8186,0	10967,1	10592,0	12082,3	12300,3	9966,3
	Percent									
Consumption money expenditure	92,0	91,6	93,1	93,1	88,6	91,9	91,6	92,9	92,5	91,2
food products (including catering outside home, alcoholic beverages and tobacco)	50,7	50,0	51,8	57,3	52,6	49,0	48,8	49,1	51,6	53,4
manufactured goods and services	41,3	41,6	41,3	35,8	36,0	42,9	42,8	43,8	40,9	37,8
Monetary support to relatives, friends and other persons	2,0	2,3	1,4	1,6	1,5	1,8	2,0	1,2	1,6	1,5
Other expenditure (on personal subsistence farms, purchase of shares and certificates, bank deposits, alimony, housing construction, etc)	6,0	6,1	5,5	5,3	9,9	6,3	6,4	5,9	5,9	7,3

4.15. Structure of household money expenditure in 2019, by different per capita equivalent money income

(average monthly per one household)

	All households	Monthly average per capita equivalent money income, UAH					
		under 3000,0	3000,1–4000,0	4000,1–5000,0	5000,1–6000,0	6000,1–7000,0	7000,1–8000,0
Total money expenditure, UAH	8900,8	4857,4	6636,1	8287,7	9476,9	10687,3	11839,5
	Percent						
Consumption money expenditure	90,1	94,0	92,3	91,6	92,3	90,3	86,2
food products (including catering outside home, alcoholic beverages and tobacco)	48,5	56,6	52,7	51,1	49,5	47,4	45,6
manufactured goods and services	41,6	37,4	39,6	40,5	42,8	42,9	40,6
Monetary support to relatives, friends and other persons	2,9	1,7	2,3	2,3	2,4	3,4	3,1
Other expenditure (on personal subsistence farms, purchase of shares and certificates, bank deposits, alimony, housing construction, etc)	7,0	4,3	5,4	6,1	5,3	6,3	10,7

INCOME AND LIVING CONDITIONS

Table 4.15 continued

	Monthly average per capita equivalent money income, UAH						
	8000,1–9000,0	9000,1–10000,0	10000,1–11000,0	11000,1–12000,0	over 12000,0	for reference: under	
						1902,08 UAH ¹	3660,94 UAH ²
Total money expenditure, UAH	12630,4	13353,8	13226,2	14592,9	20577,1	3770,6	5462,6
	Percent						
Consumption money expenditure	86,2	86,5	85,7	86,9	84,9	94,1	93,3
food products (including catering outside home, alcoholic beverages and tobacco)	43,6	47,6	43,4	41,2	35,4	59,2	55,0
manufactured goods and services	42,6	38,9	42,3	45,7	49,5	34,9	38,3
Monetary support to relatives, friends and other persons	3,9	4,2	4,6	3,4	4,1	1,0	1,8
Other expenditure (on personal subsistence farms, purchase of shares and certificates, bank deposits, alimony, housing construction, etc)	9,9	9,3	9,7	9,7	11,0	4,9	4,9

¹ See the first footnote to Table 4.11

² See the second footnote to Table 4.11

4.16. Population, by total per capita equivalent income

(percent)

	2015			2018			2019		
	all households	including by areas		all households	including by areas		all households	including by areas	
		urban	rural		urban	rural		urban	rural
Total population	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
Monthly average per capita equivalent total income, UAH									
under 3000,0	80,2	79,5	81,8	20,9	18,8	24,7	10,7	8,8	14,4
3000,1–4000,0	19,8 ¹	20,5 ¹	18,2 ¹	27,3 ²	27,7 ²	26,8 ²	19,2	17,6	22,4
4000,1–5000,0	...	...	...	22,8 ³	21,9 ³	24,8 ³	20,6	20,6	20,8
5000,1–6000,0	...	...	...	29,0 ⁴	31,6 ⁴	23,7 ⁴	16,6	16,4	17,0
6000,1–7000,0	...	...	...	...	...	...	10,4	10,5	10,1
7000,1–8000,0	...	...	...	...	...	...	7,9	8,6	6,5
8000,1–9000,0	...	...	...	...	...	...	4,6	5,0	3,8
9000,1–10000,0	...	...	...	...	...	...	3,2	3,6	2,3
10000,1–11000,0	...	...	...	...	...	...	2,3	3,0	0,9
11000,1–12000,0	...	...	...	...	...	...	1,5	1,8	1,1
over 12000,0	...	...	...	...	...	...	3,0	4,1	0,7
Quintile differentiation coefficient of total income of the population, times	1,9	1,9	1,8	2,0	2,0	1,9	2,1	2,1	2,0
Ratio of total income richest and poorest 20% population (quintile coefficient for funds), times	3,2	3,3	3,1	3,3	3,5	3,1	3,5	3,6	3,2
Share of the population with per capita average equivalent total income per month, lower									
legislatively established subsistence lines	6,4	5,8	7,7	1,3	1,0	1,8	1,1	1,0	1,3
actual subsistence lines	51,9	51,4	52,9	27,6	25,6	31,5	23,1	19,9	29,5

¹ See the first footnote to Table 4.9

² See the second footnote to Table 4.9

³ See the third footnote to Table 4.9

⁴ See the fourth footnote to Table 4.9

⁵ See the fifth footnote to Table 4.9

⁶ See the six footnote to Table 4.9

INCOME AND LIVING CONDITIONS

4.17. Households, by total per capita equivalent income

(percent)

	2015			2018			2019		
	all house- holds	including by areas		all house- holds	including by areas		all house- holds	including by areas	
		urban	rural		urban	rural		urban	rural
All households	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
Monthly average per capita equivalent total income, UAH									
under 3000,0	77,4	76,9	78,7	19,8	18,3	22,9	10,5	8,9	13,9
3000,1–4000,0	22,6 ¹	23,1 ¹	21,3 ¹	26,8 ²	26,8 ²	26,9 ²	19,4	18,0	22,4
4000,1–5000,0	...	...	...	22,3 ³	21,4 ³	24,2 ³	19,7	19,4	20,3
5000,1–6000,0	...	...	...	31,1 ⁴	33,5 ⁴	26,0 ⁴	16,3	16,2	16,6
6000,1–7000,0	...	...	...	...	...	...	10,4	10,3	10,4
7000,1–8000,0	...	...	...	...	...	...	7,9	8,6	6,5
8000,1–9000,0	...	...	...	...	...	...	4,6	5,0	3,9
9000,1–10000,0	...	...	...	...	...	...	3,3	3,7	2,6
10000,1–11000,0	...	...	...	...	...	...	2,7	3,4	1,2
11000,1–12000,0	...	...	...	...	...	...	1,8	1,9	1,2
over 12000,0	...	...	...	...	...	...	3,4	4,6	1,0
Share of the households with per capita average equivalent money income per month, lower									
legislatively established subsistence line ⁵	5,1	4,9	5,7	1,3	1,1	1,6	1,1	0,9	1,6
actual subsistence line ⁶	49,3	49,2	49,9	26,4	25,0	29,2	23,3	20,6	29,1

¹ See the first footnote to Table 4.9

² See the second footnote to Table 4.9

³ See the third footnote to Table 4.9

⁴ See the fourth footnote to Table 4.9

⁵ See the fifth footnote to Table 4.9

⁶ See the six footnote to Table 4.9

INCOME AND LIVING CONDITIONS

4.18. Households in 2019, by total per capita equivalent income, household size and number of children

(percent)

	All households	Monthly average per capita equivalent total income, UAH					
		under 3000,0	3000,1–4000,0	4000,1–5000,0	5000,1–6000,0	6000,1–7000,0	7000,1–8000,0
All households	100,0	10,5	19,4	19,7	16,3	10,4	7,9
Breakdown by level of average per capita equivalent total income of households consisting of							
one person	100,0	14,9	23,2	17,6	14,1	9,2	6,8
two persons	100,0	7,9	18,3	18,7	15,4	10,3	8,9
three persons	100,0	8,3	17,3	18,9	20,0	12,0	7,7
four persons	100,0	12,1	20,1	24,2	15,6	9,3	8,2
five persons and more	100,0	16,7	20,8	24,4	14,2	9,7	6,4
All households with children	100,0	11,7	19,6	24,4	18,0	10,1	7,0
Breakdown by level of average per capita equivalent total income of households with							
one child	100,0	9,1	17,1	25,6	19,3	10,5	8,0
two children	100,0	17,0	26,8	21,6	14,7	9,8	4,3
three children	100,0	36,0	28,1	18,9	9,5	2,0	0,1
four or more children	100,0	42,1	31,7	20,9	4,7	—	0,6

Table 4.18 continued

	Monthly average per capita equivalent total income, UAH						
	8000,1–9000,0	9000,1–10000,0	10000,1–11000,0	11000,1–12000,0	over 12000,0	for reference: under	
						1902,08 UAH ¹	3660,94 UAH ²
All households	4,6	3,3	2,7	1,8	3,4	1,1	23,3
Breakdown by level of average per capita equivalent total income of households consisting of							
one person	3,8	2,6	2,5	1,6	3,7	1,3	31,2
two persons	4,5	4,1	3,6	3,0	5,3	1,0	19,8
three persons	5,9	3,9	3,0	1,1	1,9	0,9	19,4
four persons	4,0	2,4	1,2	1,2	1,7	1,1	24,8
five persons and more	3,7	1,3	0,0	0,2	2,6	1,7	30,0
All households with children	4,1	1,9	1,3	0,7	1,2	1,3	24,1
Breakdown by level of average per capita equivalent total income of households with							
one child	4,7	2,3	1,5	0,6	1,3	1,2	19,3
two children	2,3	0,8	0,6	0,9	1,2	1,5	35,3
three children	5,4	—	—	—	—	0,9	58,3
four and more children	—	—	—	—	—	9,2	67,2

¹ See the first footnote to Table 4.11

² See the second footnote to Table 4.11

INCOME AND LIVING CONDITIONS

4.19. Structure of total household expenditure

(average monthly per one household)

	2015			2018			2019		
	all house- holds	including by areas		all house- holds	including by areas		all house- holds	including by areas	
		urban	rural		urban	rural		urban	rural
Total expenditure, UAH	4952,0	5076,8	4696,6	8308,6	8642,8	7618,7	9670,2	10062,5	8857,2
	Percent								
Total consumer expenditure	92,9	93,9	90,9	92,0	93,1	90,0	91,3	92,3	88,8
food products (including catering outside home, alcoholic beverages and tobacco)	57,9	57,0	60,0	52,8	52,0	54,6	51,7	50,4	54,3
manufactured goods and services	35,0	36,9	30,9	39,2	41,1	35,4	39,6	41,9	34,5
payment for housing, communal products and services	10,2	11,4	7,4	13,9	15,0	11,4	13,0	14,4	9,7
of which									
sum of benefits and subsidies	1,4	1,3	1,6	3,3	3,0	4,0	0,9	0,9	1,0
Non-consumption total expenditure	7,1	6,1	9,1	8,0	6,9	10,0	8,7	7,7	11,2

4.20. Structure of total household expenditure, by household size

(average monthly per one household)

	2018						2019					
	all house- holds	number of members					all house- holds	number of members				
		one	two	three	four	five and more		one	two	three	four	five and more
Total expenditure, UAH	8308,6	4603,3	7538,9	9697,2	10515,9	12678,1	9670,2	5115,5	8764,7	11069,2	12888,8	15160,6
	Percent											
Total consumer expenditure	92,0	92,9	91,1	91,7	93,2	93,2	91,3	92,0	90,0	91,2	92,5	92,4
food products (including catering outside home, alcoholic beverages and tobacco)	52,8	54,1	52,8	50,8	53,2	56,3	51,7	52,9	51,1	51,0	51,9	52,7
manufactured goods and services	39,2	38,8	38,3	40,9	40,0	36,9	39,6	39,1	38,9	40,2	40,6	39,7
payment for housing, communal products and services	13,9	17,4	15,2	13,5	12,5	10,2	13,0	17,3	14,0	12,6	11,5	9,7
of which												
sum of benefits and subsidies	3,3	7,0	3,6	2,5	2,6	2,3	0,9	1,9	1,0	0,7	0,7	0,8
Non-consumption total expenditure	8,0	7,1	8,9	8,3	6,8	6,8	8,7	8,0	10,0	8,8	7,5	7,6

INCOME AND LIVING CONDITIONS

4.21. Structure of total expenditure for households with children, by number of children

(average monthly per one household)

	2018					2019				
	all households with children	number of children				all households with children	number of children			
		one	two	three	four and more		one	two	three	four and more
Total expenditure, UAH	10192,0	9967,5	10734,4	11827,9	10958,6	11869,8	11410,3	13177,1	13764,5	12491,9
	Percent									
Total consumer expenditure	93,3	92,6	94,6	95,0	94,4	92,8	92,4	93,7	94,9	93,6
food products (including catering outside home, alcoholic beverages and tobacco)	53,0	52,0	54,4	62,0	63,1	52,1	51,8	52,4	55,5	61,6
manufactured goods and services	40,3	40,6	40,2	33,0	31,3	40,7	40,6	41,3	39,4	32,0
payment for housing, communal products and services	12,8	13,1	12,4	9,6	9,0	12,0	12,3	11,5	11,0	8,5
of which sum of benefits and subsidies	2,5	2,5	2,8	2,2	3,5	0,7	0,6	0,8	2,0	1,0
Non-consumption total expenditure	6,7	7,4	5,4	5,0	5,6	7,2	7,6	6,3	5,1	6,4

4.22. Structure of total household expenditure in 2019, by different total per capita equivalent income

(average monthly per one household)

	All households	Monthly average per capita equivalent total income, UAH					
		under 3000,0	3000,1–4000,0	4000,1–5000,0	5000,1–6000,0	6000,1–7000,0	7000,1–8000,0
Total expenditure, UAH	9670,2	5448,0	6800,2	8659,7	9655,9	10899,1	12154,2
	Percent						
Total consumer expenditure	91,3	96,9	94,8	93,8	93,4	91,3	87,1
food products (including catering outside home, alcoholic beverages and tobacco)	51,7	62,6	57,6	56,0	52,7	51,5	48,2
manufactured goods and services	39,6	34,3	37,2	37,8	40,7	39,8	38,9
payment for housing, communal products and services	13,0	13,9	15,0	13,9	13,5	12,2	12,0
of which sum of benefits and subsidies	0,9	0,8	1,5	1,2	0,9	0,9	0,7
Non-consumption total expenditure	8,7	3,1	5,2	6,2	6,6	8,7	12,9

INCOME AND LIVING CONDITIONS

Table 4.22 continued

	Monthly average per capita equivalent total income, UAH						
	8000,1– 9000,0	9000,1– 10000,0	10000,1– 11000,0	11000,1– 12000,0	over 12000,0	for reference: under	
						1902,08 UAH ¹	3660,94 UAH ²
Total expenditure, UAH	13161,1	13731,3	13727,9	14611,5	21069,2	3739,6	5975,0
	Percent						
Total consumer expenditure	88,5	86,6	88,8	86,9	83,3	98,1	95,7
food products (including catering outside home, alcoholic beverages and tobacco)	45,8	48,6	47,3	43,1	35,4	64,6	60,0
manufactured goods and services	42,7	38,0	41,5	43,8	47,9	33,5	35,7
payment for housing, communal products and services	11,7	10,6	11,1	12,7	11,6	14,7	14,6
of which							
sum of benefits and subsidies	0,6	0,4	0,7	0,4	0,6	0,2	1,3
Non-consumption total expenditure	11,5	13,4	11,2	13,1	16,7	1,9	4,3

¹ See the first footnote to Table 4.11

² See the second footnote to Table 4.11

4.23. Structure of household expenditure in 2019, by basic consumption expenditure

(average monthly per one household)

	Total expenditure			Money expenditure		
	all house- holds	including by areas		all house- holds	including by areas	
		urban	rural		urban	rural
Total expenditure, UAH	9670,2	10062,5	8857,2	8900,8	9580,4	7492,6
	Percent					
Consumption expenditure	91,3	92,3	88,8	90,1	92,3	83,8
food goods and non-alcoholic beverages	46,6	44,9	50,4	43,1	44,2	39,9
alcohol	1,2	1,3	0,9	1,2	1,3	0,9
tobacco	2,0	2,0	2,0	2,2	2,1	2,4
clothing and footwear	5,5	5,3	5,7	5,9	5,5	6,7
housing, water, electricity, gas and other fuel	14,6	15,4	12,7	14,8	15,2	13,8
furniture, personal effects, household appliances and daily household services	1,8	1,8	2,0	2,0	1,9	2,3
health care	4,1	4,2	4,0	4,3	4,2	4,7
transport	4,8	5,2	3,9	4,9	5,1	4,6
communications	2,8	2,9	2,5	3,1	3,1	3,0
recreation and culture	1,6	2,0	0,7	1,8	2,1	0,8
education	1,1	1,3	0,6	1,2	1,4	0,7
hotels, cafes and restaurants	2,6	3,2	1,3	2,8	3,3	1,5
other goods and services	2,6	2,8	2,1	2,8	2,9	2,5

INCOME AND LIVING CONDITIONS

4.24. Structure of household money income

(average monthly per one household)

	2015			2018			2019		
	all household	including by areas		all household	including by areas		all household	including by areas	
		urban	rural		urban	rural		urban	rural
Total money income, UAH	4676,0	4851,8	4316,4	8904,1	9376,2	7929,5	11145,0	11905,8	9568,7
	Percent								
Labour remuneration	52,8	58,0	41,0	60,5	65,1	49,5	62,3	65,9	53,1
Income from entrepreneurship and self-employment	6,1	6,5	5,3	6,6	6,9	6,0	7,1	7,7	5,6
Income from sales of agricultural products	3,8	0,5	11,5	2,7	0,4	8,6	2,6	0,3	8,5
Cash pensions, stipends and benefits	28,3	26,9	31,4	22,2	21,2	24,4	20,8	19,8	23,0
Monetary support from relatives and other individuals and other money income	9,0	8,1	10,8	8,0	6,4	11,5	7,2	6,3	9,8

4.25. Structure of household money income, by household size

(average monthly per one household)

	2018						2019					
	all household	number of members					all household	number of members				
		one	two	three	four	five and more		one	two	three	four	five and more
Total cash income, UAH	8904,1	4020,8	7922,8	10775,1	11830,9	14316,4	11145,0	4981,1	9972,5	12968,9	15410,2	18755,4
	Percent											
Labour remuneration	60,5	33,2	52,7	68,3	69,8	64,9	62,3	41,3	52,8	70,0	73,9	63,8
Income from entrepreneurship and self-employment	6,6	3,3	4,5	8,9	7,4	7,2	7,1	2,8	6,2	9,0	7,3	7,3
Income from sales of agricultural products	2,7	2,4	2,8	2,1	3,6	3,7	2,6	2,4	3,0	2,3	2,4	3,0
Cash pensions, stipends and benefits	22,2	44,1	32,7	13,5	12,1	18,5	20,8	38,9	30,2	12,4	11,3	19,5
Monetary support from relatives and other individuals and other money income	8,0	17,0	7,3	7,2	7,1	5,7	7,2	14,6	7,8	6,3	5,1	6,4

INCOME AND LIVING CONDITIONS

4.26. Structure of money income for households with children, by number of children

(average monthly per one household)

	2018					2019				
	all households with children	number of children				all households with children	number of children			
		one	two	three	four and more		one	two	three	four and more
Total cash income, UAH	11092,4	10921,0	11594,7	11782,4	11217,7	13730,9	13320,2	15013,5	14499,7	13330,9
	Percent									
Labour remuneration	69,8	70,5	70,0	57,7	23,3	70,2	70,9	71,1	44,1	37,6
Income from entrepreneurship and self-employment	7,9	8,2	6,3	13,6	10,7	8,8	8,4	9,1	19,0	3,6
Income from sales of agricultural products	2,5	2,8	1,8	2,6	7,6	2,4	2,4	2,0	7,4	4,9
Cash pensions, stipends and benefits	11,6	10,8	12,3	15,9	47,5	11,4	10,9	11,1	23,3	46,4
Monetary support from relatives and other individuals and other money income	8,2	7,7	9,6	10,2	10,9	7,2	7,4	6,7	6,2	7,5

4.27. Structure of household money income in 2019, by different money per capita equivalent income

(average monthly per one household)

	All households	Monthly average per capita equivalent money income, UAH					
		under 3000,0	3000,1–4000,0	4000,1–5000,0	5000,1–6000,0	6000,1–7000,0	7000,1–8000,0
Total money income, UAH	11145,0	4906,5	7401,4	9907,9	11885,5	13780,1	15860,6
	Percent						
Labour remuneration	62,3	34,3	46,7	60,8	67,1	69,1	70,6
Income from entrepreneurship and self-employment	7,1	3,9	3,8	4,3	6,2	8,2	7,6
Income from sales of agricultural products	2,6	3,9	3,6	3,3	2,1	2,6	2,2
Cash pensions, stipends and benefits	20,8	47,1	35,9	23,2	17,6	14,7	14,1
Monetary support from relatives and other individuals and other money income	7,2	10,8	10,0	8,4	7,0	5,4	5,5

INCOME AND LIVING CONDITIONS

Table 4.27 continued

	Monthly average per capita equivalent money income, UAH						
	8000,1– 9000,0	9000,1– 10000,0	10000,1– 11000,0	11000,1– 12000,0	over 12000,0	for reference: under	
						1902,08 UAH ¹	3660,94 UAH ²
Total money income, UAH	17298,8	19073,8	19289,9	20977,0	29943,6	3370,4	5771,0
	Percent						
Labour remuneration	72,2	73,4	65,4	79,1	67,3	33,6	38,6
Income from entrepreneurship and self-employment	7,3	6,9	15,0	8,2	16,1	2,0	3,9
Income from sales of agricultural products	2,4	1,9	3,1	1,2	0,6	4,0	3,7
Cash pensions, stipends and benefits	10,8	13,9	10,3	8,2	9,5	43,5	43,4
Monetary support from relatives and other individuals and other money income	7,3	3,9	6,2	3,3	6,5	16,9	10,4

¹ See the first footnote to Table 4.11

² See the second footnote to Table 4.11

4.28. Structure of household total resources

(average monthly per one household)

	2015			2018			2019		
	all house- holds	including by areas		all house- holds	including by areas		all house- holds	including by areas	
		urban	rural		urban	rural		urban	rural
Total resources, UAH	5231,7	5228,6	5238,0	9904,1	10121,5	9455,2	12118,5	12592,1	11137,1
	Percent								
Money income	89,4	92,8	82,4	89,9	92,6	83,9	92,0	94,5	85,9
labour remuneration	47,2	53,8	33,7	54,5	60,2	41,6	57,3	62,3	45,6
income from entrepreneurship and self-employment	5,5	6,0	4,4	6,0	6,4	5,1	6,5	7,3	4,8
income from sales of agricultural products	3,4	0,4	9,5	2,5	0,4	7,2	2,4	0,3	7,4
cash pensions, stipends and benefits	25,2	25,0	25,9	19,9	19,6	20,4	19,2	18,8	19,7
monetary support from relatives and other individuals and other money income	8,1	7,6	8,9	7,0	6,0	9,6	6,6	5,8	8,4
Value of consumed products that were produced at private subsistence farms or individually procured	5,1	1,6	12,2	3,8	1,1	9,6	3,6	1,0	9,5
Non-cash benefits and subsidies to pay for housing and communal utilities, energy and fuel	1,3	1,2	1,5	2,8	2,6	3,2	0,7	0,7	0,8
Non-cash benefits to pay for goods and environmental services, travel services, places in recreation centers, etc as well as to pay for transport and communication services	0,4	0,5	0,1	0,4	0,4	0,2	0,4	0,6	0,1
Other receipts	3,8	3,9	3,8	3,1	3,3	3,1	3,3	3,2	3,7

INCOME AND LIVING CONDITIONS

4.29. Structure of household total resources, by household size

(average monthly per one household)

	2018						2019					
	all households	number of members					all households	number of members				
		one	two	three	four	five and more		one	two	three	four	five and more
Total resources, UAH	9904,1	4795,3	8818,8	11788,3	12974,0	16103,4	12118,5	5603,2	10807,8	13950,2	16588,7	20921,6
	Percent											
Money income	89,9	83,9	89,8	91,4	91,2	88,9	92,0	88,9	92,4	93,1	92,9	89,7
labour remuneration	54,5	27,9	47,4	62,5	63,6	57,7	57,3	36,6	48,8	65,0	68,7	57,2
income from entrepreneurship and self-employment	6,0	2,7	4,1	8,1	6,7	6,4	6,5	2,5	5,7	8,4	6,9	6,6
income from sales of agricultural products	2,5	2,0	2,6	1,9	3,3	3,2	2,4	2,1	2,7	2,1	2,2	2,8
cash pensions, stipends and benefits	19,9	37,1	29,2	12,3	11,1	16,5	19,2	34,7	28,0	11,6	10,5	17,4
monetary support from relatives and other individuals and other money income	7,0	14,2	6,5	6,6	6,5	5,1	6,6	13,0	7,2	6,0	4,6	5,7
Value of consumed products that were produced at private subsistence farms or individually procured	3,8	4,4	3,5	3,1	3,4	6,6	3,6	3,9	3,6	2,8	3,1	5,7
Non-cash benefits and subsidies to pay for housing and communal utilities, energy and fuel	2,8	6,7	3,1	2,0	2,1	1,9	0,7	1,7	0,8	0,5	0,5	0,6
Non-cash benefits to pay for goods and environmental services, travel services, places in recreation centers, etc as well as to pay for transport and communication services	0,4	0,4	0,5	0,4	0,4	0,2	0,4	0,9	0,4	0,3	0,2	0,4
Other receipts	3,1	4,6	3,1	3,1	2,9	2,4	3,3	4,6	2,8	3,3	3,3	3,6

INCOME AND LIVING CONDITIONS

4.30. Structure of total resources of households with children, by number of children

(average monthly per one household)

	2018					2019				
	all households with children	number of children				all households with children	number of children			
		one	two	three	four and more		one	two	three	four and more
Total resources, UAH	12203,0	11938,9	12864,3	13857,5	14025,8	14862,4	14319,2	16493,4	16271,1	15747,4
	Percent									
Money income	90,9	91,5	90,1	85,0	80,0	92,4	93,0	91,0	89,1	84,7
labour remuneration	63,5	64,5	63,2	49,0	18,6	64,9	65,9	64,7	39,3	31,8
income from entrepreneurship and self-employment	7,3	7,5	5,6	11,5	8,6	8,2	7,8	8,2	16,9	3,1
income from sales of agricultural products	2,3	2,5	1,6	2,3	6,1	2,2	2,2	1,8	6,6	4,1
cash pensions, stipends and benefits	10,4	10,0	11,1	13,6	37,9	10,4	10,1	10,1	20,7	39,3
monetary support from relatives and other individuals and other money income	7,4	7,0	8,6	8,6	8,8	6,7	7,0	6,2	5,6	6,4
Value of consumed products that were produced at private subsistence farms or individually procured	3,5	3,1	3,9	8,2	12,5	3,4	3,3	3,8	4,7	12,1
Non-cash benefits and subsidies to pay for housing and communal utilities, energy and fuel	2,1	2,1	2,3	1,9	2,7	0,5	0,5	0,6	1,7	0,8
Non-cash benefits to pay for goods and environmental services, travel services, places in recreation centers, etc as well as to pay for transport and communication services	0,4	0,4	0,4	0,5	0,6	0,3	0,2	0,3	0,8	0,6
Other receipts	3,1	2,9	3,3	4,4	4,2	3,4	3,0	4,3	3,7	1,8

INCOME AND LIVING CONDITIONS

**4.31. Structure of household total resources in 2019,
by different total per capita equivalent income**

(average monthly per one household)

	All households	Monthly average per capita equivalent total income, UAH												for reference: under	
		under 3000,0	3000,1–4000,0	4000,1–5000,0	5000,1–6000,0	6000,1–7000,0	7000,1–8000,0	8000,1–9000,0	9000,1–10000,0	10000,1–11000,0	11000,1–12000,0	over 12000,0	1902,08 UAH ¹	3660,94 UAH ²	
		Percent													
Total resources, UAH	12118,5	5413,0	7457,3	10049,8	11960,9	14005,5	16108,0	18156,5	19199,5	20094,5	21460,9	30977,9	3532,0	6283,9	
Money income	92,0	87,5	89,1	90,8	92,5	91,8	92,3	93,9	95,5	95,1	95,5	92,7	84,1	88,1	
labour remuneration	57,3	33,1	39,2	52,1	60,8	61,1	63,0	69,8	66,9	64,6	70,5	62,2	24,4	35,0	
income from entrepreneurship and self-employment	6,5	3,5	3,6	3,8	5,1	6,4	7,5	5,0	9,9	12,9	8,0	14,1	0,7	4,0	
income from sales of agricultural products	2,4	2,6	2,8	2,4	2,5	2,3	2,9	2,6	1,8	2,3	3,6	0,8	1,2	2,7	
cash pensions, stipends and benefits	19,2	39,2	34,9	24,4	17,2	16,4	13,4	10,8	11,5	11,8	6,9	9,5	41,7	37,4	
monetary support from relatives and other individuals and other money income	6,6	9,1	8,6	8,1	6,9	5,6	5,5	5,7	5,4	3,5	6,5	6,1	16,1	9,0	
Value of consumed products that were produced at private subsistence farms or individually procured	3,6	7,6	5,7	4,8	3,6	3,5	2,7	2,7	2,4	1,2	2,0	0,6	8,1	6,7	
Non-cash benefits and subsidies to pay for housing and communal utilities, energy and fuel	0,7	0,8	1,4	1,0	0,7	0,7	0,5	0,4	0,3	0,5	0,3	0,4	0,2	1,2	
Non-cash benefits to pay for goods and environmental services, travel services, places in recreation centers, etc as well as to pay for transport and communication services	0,4	0,2	0,3	0,3	0,4	0,3	0,3	0,4	0,3	0,5	0,4	0,8	0,1	0,3	
Other receipts	3,3	3,9	3,5	3,1	2,8	3,7	4,2	2,6	1,5	2,7	1,8	5,5	7,5	3,7	

¹ See the first footnote to Table 4.11

² See the second footnote to Table 4.11

INCOME AND LIVING CONDITIONS

4.32. Foodstuffs consumed by households

(average monthly per capita; kg)

	2015			2018			2019		
	all households	including by areas		all households	including by areas		all households	including by areas	
		in urban	in rural		in urban	in rural		in urban	in rural
Meat and meat products	4,6	4,9	4,0	4,9	5,2	4,2	5,1	5,4	4,5
Milk and dairy products	19,8	19,6	20,2	19,1	19,0	19,2	19,0	18,9	19,2
Eggs, pcs	19	20	18	19	20	18	20	20	19
Fish and fish products	1,2	1,3	1,2	1,4	1,4	1,3	1,5	1,5	1,4
Sugar	2,8	2,7	3,1	2,7	2,6	2,9	2,6	2,5	2,9
Sunflower-seed oil and other vegetables oils	1,6	1,6	1,6	1,5	1,4	1,6	1,4	1,4	1,5
Potatoes	6,6	5,6	8,8	6,3	5,3	8,4	6,2	5,2	8,3
Vegetables, melons and gourds	8,8	8,7	8,9	8,9	8,8	9,1	8,8	8,6	9,1
Fruit, berries, nuts and grapes	3,1	3,6	2,2	3,8	4,4	2,6	4,0	4,7	2,6
Bread and bakery products	8,5	7,8	9,8	8,3	7,7	9,6	8,1	7,4	9,4

4.33. Foodstuffs consumed by households, by household size

(average monthly per capita; kg)

	2018						2019					
	all households	number of members					all households	number of members				
		one	two	three	four	five and more		one	two	three	four	five and more
Meat and meat products	4,9	6,3	5,8	4,8	4,2	3,7	5,1	6,3	5,9	5,1	4,4	4,1
Milk and dairy products	19,1	28,3	22,1	17,7	16,1	15,3	19,0	26,7	21,3	18,1	16,2	15,8
Eggs, pcs	19	21	23	19	18	16	20	21	23	19	19	16
Fish and fish products	1,4	1,8	1,7	1,3	1,1	1,1	1,5	1,8	1,7	1,4	1,2	1,2
Sugar	2,7	3,6	3,1	2,5	2,3	2,4	2,6	3,3	3,0	2,5	2,2	2,3
Sunflower-seed oil and other vegetables oils	1,5	2,3	1,7	1,3	1,2	1,4	1,4	2,2	1,7	1,3	1,1	1,4
Potatoes	6,3	8,6	7,0	5,7	5,6	6,2	6,2	8,1	6,8	5,5	5,3	6,7
Vegetables, melons and gourds	8,9	13,1	10,7	8,2	7,0	6,9	8,8	12,1	10,5	8,3	7,4	6,9
Fruit, berries, nuts and grapes	3,8	4,8	4,3	3,9	3,4	2,9	4,0	4,7	4,4	4,1	3,8	2,9
Bread and bakery products	8,3	12,9	9,6	7,4	7,0	7,2	8,1	12,3	9,3	7,3	6,7	6,9

INCOME AND LIVING CONDITIONS

**4.34. Foodstuffs consumed by households with children,
by number of children within household**

(average monthly per capita; kg)

	2018					2019				
	all house- holds with children	number of children				all house- holds with children	number of children			
		one	two	three	four and more		one	two	three	four and more
Meat and meat products	4,2	4,4	3,9	4,1	3,4	4,5	4,7	4,2	3,4	3,0
Milk and dairy products	16,4	17,0	15,4	14,6	13,7	16,8	17,3	15,7	15,0	14,1
Eggs, pcs	18	18	16	17	14	18	19	17	15	16
Fish and fish products	1,1	1,2	1,0	1,0	0,7	1,3	1,3	1,1	1,2	0,8
Sugar	2,3	2,4	2,1	2,5	2,0	2,3	2,4	2,1	2,2	2,3
Sunflower-seed oil and other vegetables oils	1,2	1,3	1,1	1,2	1,0	1,2	1,3	1,1	1,4	1,2
Potatoes	5,5	5,6	5,0	6,7	6,2	5,6	5,7	5,2	5,2	7,0
Vegetables, melons and gourds	7,3	7,6	6,4	7,2	4,6	7,4	7,9	6,5	6,2	5,2
Fruit, berries, nuts and grapes	3,6	3,7	3,3	3,8	2,3	3,8	3,9	3,6	3,3	2,5
Bread and bakery products	7,0	7,1	6,6	7,5	6,4	6,8	7,0	6,3	6,0	7,8

**4.35. Foodstuffs consumed by households in 2019,
by different total per capita equivalent income**

(average monthly per capita; kg)

	All households	Monthly average per capita equivalent total income, UAH					
		under 3000,0	3000,1– 4000,0	4000,1– 5000,0	5000,1– 6000,0	6000,1– 7000,0	7000,1– 8000,0
Meat and meat products	5,1	3,7	4,2	5,0	5,2	5,6	5,9
Milk and dairy products	19,0	13,5	16,9	18,7	18,9	21,1	20,9
Eggs, pcs	20	17	19	20	20	21	21
Fish and fish products	1,5	1,1	1,3	1,4	1,5	1,7	1,7
Sugar	2,6	2,2	2,5	2,6	2,6	2,8	2,8
Sunflower-seed oil and other vegetables oils	1,4	1,3	1,4	1,5	1,5	1,5	1,5
Potatoes	6,2	5,9	6,3	6,3	6,1	6,4	6,5
Vegetables, melons and gourds	8,8	6,9	8,3	8,7	8,7	9,6	9,5
Fruit, berries, nuts and grapes	4,0	2,5	3,2	3,7	4,0	4,7	4,5
Bread and bakery products	8,1	7,8	8,3	8,1	8,1	8,2	8,1

INCOME AND LIVING CONDITIONS

Table 4.35 continued

	Monthly average per capita equivalent total income, UAH						
	8000,1– 9000,0	9000,1– 10000,0	10000,1– 11000,0	11000,1– 12000,0	over 12000,0	for reference: under	
						1902,08 UAH ¹	3660,94 UAH ²
Meat and meat products	5,6	6,7	6,4	6,8	7,0	2,4	3,9
Milk and dairy products	22,0	24,1	25,3	22,6	24,3	9,1	15,0
Eggs, pcs	22	23	21	22	21	17	17
Fish and fish products	1,6	1,9	1,7	2,1	1,7	0,7	1,2
Sugar	2,8	3,0	2,9	2,7	2,6	1,8	2,3
Sunflower-seed oil and other vegetables oils	1,4	1,7	1,6	1,6	1,2	1,4	1,4
Potatoes	6,5	5,8	5,9	6,4	5,2	5,8	6,2
Vegetables, melons and gourds	9,3	11,0	10,4	11,0	11,0	5,2	7,4
Fruit, berries, nuts and grapes	4,8	5,6	6,1	5,8	6,9	1,6	2,7
Bread and bakery products	8,1	8,5	7,7	8,0	6,9	7,3	8,1

¹ See the first footnote to Table 4.11

² See the second footnote to Table 4.11

**4.36. Foodstuffs consumed by households, by quintile (20%) group
and total per capita equivalent income**

(average monthly per capita; kg)

	2018							
	all house- holds	including by quintile (20%) groups					monthly average per capita equivalent total income, lower	
		first	second	third	fourth	fifth	legislatively established subsistence line ¹	actual subsistence line ²
Meat and meat products	4,9	3,6	4,4	4,8	5,3	6,4	2,8	3,8
Milk and dairy products	19,1	14,7	17,1	19,6	20,4	24,2	10,6	15,1
Eggs, pcs	19	17	19	19	21	22	15	17
Fish and fish products	1,4	1,0	1,3	1,3	1,5	1,8	0,8	1,1
Sugar	2,7	2,3	2,5	2,7	2,8	3,1	2,1	2,4
Sunflower-seed oil and other vegetables oils	1,5	1,4	1,5	1,5	1,5	1,6	1,2	1,4
Potatoes	6,3	6,1	6,3	6,7	6,3	6,4	6,7	6,1
Vegetables, melons and gourds	8,9	7,2	8,1	9,1	9,5	11,0	5,7	7,4
Fruit, berries, nuts and grapes	3,8	2,7	3,3	3,7	4,1	5,5	1,8	2,8
Bread and bakery products	8,3	8,0	8,2	8,5	8,4	8,6	7,2	8,0

INCOME AND LIVING CONDITIONS

Table 4.36 continued

	2019							
	all households	including by quintile (20%) groups					monthly average per capita equivalent total income, lower	
		first	second	third	fourth	fifth	legislatively established subsistence line ¹	actual subsistence line ²
Meat and meat products	5,1	3,8	4,7	5,1	5,5	6,3	2,4	3,9
Milk and dairy products	19,0	14,5	18,2	19,0	20,3	23,0	9,1	15,0
Eggs, pcs	20	17	19	20	21	22	17	17
Fish and fish products	1,5	1,1	1,4	1,4	1,6	1,8	0,7	1,2
Sugar	2,6	2,3	2,6	2,6	2,7	2,9	1,8	2,3
Sunflower-seed oil and other vegetables oils	1,4	1,4	1,4	1,4	1,5	1,5	1,4	1,4
Potatoes	6,2	6,2	6,1	6,3	6,3	6,2	5,8	6,2
Vegetables, melons and gourds	8,8	7,2	8,7	8,9	9,2	10,4	5,2	7,4
Fruit, berries, nuts and grapes	4,0	2,6	3,6	3,9	4,3	5,6	1,6	2,7
Bread and bakery products	8,1	8,0	8,2	8,2	8,1	8,0	7,3	8,1

¹ In 2018 – 1744,83 UAH; in 2019 – 1902,08 UAH

² In 2018 – 3262,67 UAH; in 2019 – 3660,94 UAH

4.37. Foodstuffs consumed

(per capita per year; kg)

	2000	2005	2010	2015	2016	2017	2018	2019
Meat and meat products (including lard and offal on meat base)	33	39	52	51	51	52	53	54
Milk and dairy products on milk base	199	226	206	210	210	200	198	201
Eggs, pcs	166	238	290	280	267	273	275	282
Fish and fish products	8,4	14,4	14,5	8,6	9,6	10,8	11,8	12,5
Sugar	37	38	37	36	33	30	30	29
Oil	9,4	13,5	14,8	12,3	11,7	11,7	11,9	12,0
Potatoes	135	136	129	138	140	143	139	136
Vegetables, melons and gourds	102	120	144	161	164	160	164	165
Fruit, berries and grapes (excluding processed for wine)	29	37	48	51	50	53	58	59
Bakery products (on flour base; cereals, rice, legume crops)	125	124	111	103	101	101	100	98

INCOME AND LIVING CONDITIONS

4.38. Consumed nutrients¹

(per capita per day)

	2000	2005	2010	2015	2016	2017	2018	2019
Calories, kcal	2661	2916	2933	2799	2742	2707	2706	2691
Proteins, g	78,6	86,0	87,5	84,3	84,1	84,3	84,3	84,3
Fat, g	71,7	89,7	99,2	92,0	90,5	89,9	90,8	91,8
Calcium, mg	825	927	893	904	901	874	872	879
Iron, mg	19,4	20,5	20,5	20,2	20,1	20,2	20,2	19,9
Retinol, µg	1004	1156	1088	1093	1086	1044	1034	1049
Equivalent of beta-carotene, µg	1472	1735	2035	2260	2298	2241	2297	2310
Equivalent of retinol and beta-carotene (RET+ ¹ / ₆ B-CAREQ), µg	1249	1446	1427	1470	1470	1419	1418	1435
Thiamine, mg	1,81	1,90	1,88	1,83	1,81	1,81	1,80	1,80
Riboflavin, mg	2,27	2,51	2,55	2,56	2,55	2,49	2,60	2,60
Niacin, mg	16,8	17,9	18,8	18,4	18,6	18,6	18,6	18,5
Ascorbic acid, mg	100	111	121	130	132	133	136	135

¹ The calculations are based on the information about the content of micro and macroelements in the principle animal and vegetable food products (including alcohol and soft drinks) provided by the Scientific Research Institute for Healthy Nutrition under Ministry of Health Care of Ukraine. Since 2005 the protein contents based on the structure for the consumption of meat products by type in per capita terms has been revised

4.39. Availability of selected durable goods¹ in households²

(average per 100 households; pcs)

	2000	2005	2010	2014	2016	2018
Refrigerators and freezers	94	99	109	117	119	124
Washing machines	74	77	85	88	88	91
Vacuum cleaners	56	62	75	79	77	81
Electric irons	98	98	99	99	98	99
CD-players and turntables	...	7	8	5	6	5
Colour TV sets	69	91	110	119	115	116
Video cassette recorders, Video tape recorders, DVD-players, digital cameras	13	22	41	34	26	18
Music centers	3	11	13	12	9	8
Cameras	22	36	26	18	16	11
Computers, plane-tablets, notebooks	1	9	31	63	80	90
Microwaves	1	9	33	49	49	54
Kitchen combines	3	5	10	16	15	17
Conditioners	0	1	6	10	9	12
Satellite antennas	0	1	13	23	26	31
Sewing machines	48	35	28	25	23	21
Motorbikes, bicycles and scooters	43	44	47	52	53	57
Motorcycles, snowmobiles	7	4	2	2	2	2
Cars	17	16	21	23	23	25
Mobile phones	...	44	167	197	201	203

¹ Estimates of availability of durables in households are based on sample poll and cover all present durables irrespective of period of their use, their source (purchase, gift, etc), condition (in working condition or broken goods under current repair or awaiting repair)

² Since 2010, the polling of households regarding the availability of durables in them is conducted once every two years

INCOME AND LIVING CONDITIONS

4.40. Distribution of households by access to the Internet

	2015			2018			2019		
	all house- holds	including by areas		all house- holds	including by areas		all house- holds	including by areas	
		urban	rural		urban	rural		urban	rural
Total number of households, thsd.	15073,7	10125,0	4948,7	14934,9	10061,3	4873,6	14881,7	10037,5	4844,2
Share of households that have access to the Internet at home	50,7	62,1	27,2	61,5	71,6	40,6	65,8	76,3	44,1
Share of persons ¹ who informed about using the Internet services during the last 12 months	49,1	58,8	30,4	62,6	70,1	47,8	70,1	77,4	55,9
of which by the place of usage ² , percent									
home	91,7	95,1	78,9	92,4	95,4	83,8	90,0	94,0	79,2
office	12,3	12,7	10,9	13,2	14,5	9,7	15,4	17,2	10,6
training	6,4	5,4	10,1	6,0	5,6	7,1	7,8	7,9	7,5
community center with access to the Internet ³	0,3	0,2	0,6	0,2	0,2	0,1	0,7	0,6	1,0
commercial center with access to the Internet	0,3	0,2	0,8	0,1	0,1	0,3	0,1	0,1	0,2
any place via mobile phone ³	16,5	15,5	20,1	45,9	45,6	46,7	55,5	55,6	55,5
any place via other device with mobile access ³	1,1	1,2	1,1	0,7	0,7	0,8	0,7	0,6	1,2
other places (at friends and acquaintances)	8,1	6,0	16,2	7,6	6,0	12,2	7,6	7,3	8,5

¹ Information presents the persons that resides in non-institutional (private) households

² Distribution can surpass in total 100% since one person can use the Internet at several locations

³ Indicator is included into the program of household living condition survey since 2013

INCOME AND LIVING CONDITIONS

4.41. Distribution of the population by purpose of the Internet services usage

(percent)

	2015			2018			2019		
	all house-holds	including by areas		all house-holds	including by areas		all house-holds	including by areas	
		urban	rural		urban	rural		urban	rural
Total number of the population	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
Share of persons ¹ who informed about using the Internet during the last 12 months	49,1	58,8	30,4	62,6	70,1	47,8	70,1	77,4	55,9
of which for the purpose of ² , percent									
sending (receiving) e-mail	24,5	26,1	18,5	20,3	22,9	12,9	26,9	30,2	17,7
interaction with public authorities	2,1	2,2	1,6	1,9	2,1	1,5	2,5	2,7	1,7
training and education	30,6	29,7	33,7	25,8	25,7	26,2	24,0	23,8	24,5
on-line reading/downloading newspapers, magazines	27,7	28,6	24,6	27,6	28,0	26,6	22,7	24,7	17,2
downloading movies, images, music; watching TV or video, etc ³	57,3	57,5	56,6	65,0	65,4	63,8	61,2	61,1	61,3
playing video or computer games or their downloading ³	37,7	37,5	38,8	34,4	32,9	38,6	32,9	31,8	36,0
downloading software ³	4,8	5,1	3,7	4,3	4,8	2,7	3,7	3,9	3,3
phone talks via the Internet/Voip (Skype, iTalk, via web camera) ³	44,6	46,7	36,7	48,4	50,0	43,8	42,9	44,2	39,5
communication	50,1	50,1	50,2	48,9	49,5	47,3	50,4	48,5	55,5
banking servicing	8,5	9,7	3,9	17,9	21,0	8,9	21,0	23,8	13,3
search for the information connected with the health issues both for oneself and other persons	30,5	31,1	28,3	34,1	35,9	28,9	31,0	31,1	30,6
ordering (purchasing) goods and services	11,2	11,2	11,2	17,5	18,0	16,4	16,7	17,1	15,8
obtaining information on goods and services not named earlier	19,4	19,9	17,4	21,6	22,2	20,0	18,0	17,8	18,4

¹ See the first footnote to Table 4.40

² Distribution can surpass in total 100% since one person can use the Internet with different purposes

³ Indicator is included into the program of household living condition survey since 2011

5. COMMUNITIES AND HOUSING

The chapter contains the information about the housing stock and its maintenance.

The state statistical observation serves a source of information.

Housing stock is a set of dwellings including the residential buildings, specialized homes (dormitories, shelters, care homes for the older persons and persons with disabilities both adults and children, children's homes, homes attached to schools and boarding schools), apartments, corporate housing, other dwellings in buildings fit for habitation.

The housing stock excludes country houses, summer cottages, sport and tourist centres, motels, camping sites, sanatoria, rest facilities, boarding houses, guest houses, hotels, rail coaches and other seasonal and temporary lodgements irrespective of the time period spent there by visitors.

Total living space comprises the area of dwelling and auxiliary areas (excluding entry vestibules in single-unit dwellings) as

well as area of verandas, terraces and balconies. The coefficients used to calculate space are: terraces and balconies – 0,3; for loggias – 0,5; glassed-in balconies – 0,8; verandes and glassed-in loggias – 1,0.

Auxiliary areas refer to kitchens, bath and shower rooms, toilets, corridors within an apartment, built-in stores and closets.

Apart from those mentioned above, the auxiliary premises of hostels are cultural and household facilities and those where medical services can be provided.

Total living space excludes the size of the following places:

staircases, lift halls, lobbies, general use corridors, halls, galleries;

uninhabited dwellings, occupied by establishments providing housing and communal services, shops, post-offices, children's educational establishments, enterprises providing consumer services, etc.

COMMUNITIES AND HOUSING

5.1. Housing stock¹

(mln.sq.m of total size)

	2000	2005	2010	2015	2016	2017	2018	2019
Total housing stock	1015,0	1046,4	1079,5	973,8	977,9	984,8	993,3	1011,4
Urban housing stock	643,2	669,9	693,0	592,5	594,0	599,4	605,5	621,3
Rural housing stock	371,8	376,5	386,5	381,3	383,9	385,4	387,8	390,1

¹ Including the data on the housing stock, which is on the balance sheet of the enterprises-bankrupt and those who completely stopped the activity

5.2. Housing stock facilities by type of area

(percent)

	2000		2005		2010		2018		2019	
	in urban areas	in rural areas	in urban areas	in rural areas	in urban areas	in rural areas	in urban areas	in rural areas	in urban areas	in rural areas
Percentage of accommodations equipped with										
water supply	75,3	17,9	76,6	20,0	77,9	27,1	78,1	37,4	78,2	38,3
sewage	73,7	12,9	75,4	15,7	76,7	23,2	76,9	33,8	77,1	34,5
central heating	72,8	18,3	74,2	24,4	76,7	36,1	78,5	55,4	78,6	55,7
gas supply	81,6	82,5	81,8	84,1	82,5	84,5	82,2	84,3	81,8	83,7
hot water supply	58,4	4,3	59,7	5,4	60,9	11,5	62,4	24,4	61,6	25,0

COMMUNITIES AND HOUSING

5.3. Housing stock, by region¹

(thsd.sq.m of total size)

	Total housing stock					Urban housing stock				
	2000	2010	2015	2018	2019	2000	2010	2015	2018	2019
Ukraine	1014974	1079503	973786	993299	1011361	643229	692986	592539	605542	621270
Autonomous Republic of Crimea	37327	39333	...	...	...	25143	26065	...	...	...
oblasts										
Vinnnytsya	42994	43963	46778	48004	48702	15420	16361	19192	20415	21059
Volyn	20164	22124	23364	24712	25324	8872	10080	10605	11412	11792
Dnipropetrovsk	77828	79043	78931	76936	81219	63166	64080	63937	61948	66189
Donetsk	98614	101245	51242	51560	51964	88251	90752	44356	44313	44617
Zhytomyr	31817	33328	33743	33936	34022	15684	16577	16755	16833	16874
Zakarpattia	25228	28314	30414	31102	32626	8571	10031	11143	11484	12830
Zaporizhzhya	39397	40911	40935	40921	41206	28325	29918	29881	29840	30126
Ivano-Frankivsk	28813	32656	35415	37537	38558	11096	13339	14424	15871	16623
Kyiv	46835	54812	60549	63949	65691	24031	27652	29633	31143	32253
Kirovohrad	24947	24671	24833	25317	25597	13817	14219	14471	14978	15292
Luhansk	54778	55414	17808	18809	18894	46870	47659	12588	13579	13663
Lviv	49988	54254	57414	60201	62040	27721	29858	31107	33088	34688
Mykolayiv	26009	25965	25795	25615	25516	16607	17058	16949	16750	16667
Odesa	48194	53414	53421	57075	58733	28784	32920	31711	34639	36201
Poltava	36333	36996	36327	36416	36570	19486	20086	19350	19428	19567
Rivne	22984	24454	25545	26355	29201	9769	10408	10775	11126	13841
Sumy	26948	27725	28217	28429	28543	15870	17079	17399	17634	17750
Ternopil	23490	25371	27092	27881	28637	9064	10320	11389	11951	12521
Kharkiv	59898	63788	65269	65190	66147	46267	49939	51007	50942	51926
Kherson	24436	25927	25476	26008	26573	14679	16482	15928	16478	17047
Khmelnyskiy	31708	33314	34019	36564	37880	13589	15299	15692	18178	19451
Cherkasy	33600	33976	34363	34306	34961	15709	15984	15924	15826	16382
Chernivtsi	18788	20443	22139	22695	23018	7013	7757	8496	8813	9069
Chernihiv	28045	29757	29817	30262	30665	13928	15113	14947	15354	15768
cities										
Kyiv	48857	59713	64880	63519	59074	48857	59713	64880	63519	59074
Sevastopol	6954	8592	...	...	...	6640	8237	...	...	...

¹ See the footnote to Table 5.1

COMMUNITIES AND HOUSING

5.4. Old housing stock, by region

	Number of residential buildings, units				Total area of dwellings, sq.m			
	2010	2015	2018	2019	2010	2015	2018	2019
Ukraine	48833	44453	45539	46139	4057803	3277838	3284636	3317905
Autonomous Republic of Crimea	668	...	...	...	87727	...	...	...
oblasts								
Vinnysya	3569	4071	4079	4074	184182	213797	210417	206580
Volyn	1157	857	857	807	76699	58361	56398	53052
Dnipropetrovsk	1810	1966	1993	1999	326229	331721	329865	328003
Donetsk	5838	2749	3112	3296	581792	206978	223358	233057
Zhytomyr	2768	3136	3231	3319	206174	210315	217455	214140
Zakarpattya	663	385	392	382	100505	29719	29957	30387
Zaporizhzhya	640	577	624	619	92944	87312	93776	92987
Ivano-Frankivsk	1079	1102	1041	1033	58842	62665	49563	48072
Kyiv	2366	2592	2757	2735	112773	125601	134593	134562
Kirovohrad	140	123	93	35	19762	20334	15404	7474
Luhansk	1856	399	235	345	235852	47888	33390	38271
Lviv	1199	1162	1138	1061	91608	92073	91053	89785
Mykolayiv	959	518	481	427	68225	46529	43880	23036
Odesa	4673	4687	5059	5092	372191	356998	387670	390981
Poltava	1683	2545	3162	3366	119047	170430	198036	209165
Rivne	1419	1676	1581	1547	84748	90416	74099	98822
Sumy	2558	3198	3331	3576	109956	146576	151308	162406
Ternopil	990	903	932	884	45210	40614	42438	41971
Kharkiv	4399	4113	3976	3979	563811	516499	502683	503105
Kherson	918	865	914	986	53252	44532	45337	49511
Khmelnyskiy	1889	1823	1739	1932	95090	91543	88069	101406
Cherkasy	3255	3225	3314	3159	196404	160567	163529	147880
Chernivtsi	829	182	168	150	47546	14585	12820	11776
Chernihiv	1207	1405	1136	1138	68419	70451	58334	57740
cities								
Kyiv	214	194	194	198	46388	41334	31204	43736
Sevastopol	87	...	...	...	12427	...	...	...

COMMUNITIES AND HOUSING

5.5. Emergency housing stock, by region

	Number of residential buildings, units				Total area of dwellings, sq.m			
	2010	2015	2018	2019	2010	2015	2018	2019
Ukraine	13716	15414	16799	17099	1184481	1031568	1020518	1052936
Autonomous Republic of Crimea	179	...	...	...	96491	...	...	...
oblasts								
Vinnitsya	1363	1494	1443	1449	71577	80748	77381	82260
Volyn	225	185	157	164	16946	9158	7473	8001
Dnipropetrovsk	380	830	832	835	72151	73328	71539	71277
Donetsk	2471	1454	1600	1677	195286	108150	111154	122518
Zhytomyr	511	772	844	892	39933	52761	47824	49865
Zakarpattia	174	96	99	116	12643	5500	5772	6193
Zaporizhzhya	299	371	365	381	18320	27452	25580	26726
Ivano-Frankivsk	392	418	418	419	25315	24756	21268	21230
Kyiv	503	797	813	763	36147	42423	47393	46116
Kirovohrad	19	4	5	4	7677	5178	5296	5178
Luhansk	232	116	157	185	52078	12871	22658	24025
Lviv	455	534	548	584	34877	41372	43013	44427
Mykolayiv	538	187	205	182	37247	12793	19797	19086
Odesa	1147	1562	1962	2021	133324	146179	114272	117148
Poltava	453	1059	1510	1595	21113	47182	72511	75548
Rivne	250	389	412	388	20310	25840	18401	17495
Sumy	422	752	873	893	17608	31394	36625	37529
Ternopil	530	713	779	742	28962	33404	35652	34735
Kharkiv	629	746	762	769	45643	48174	49712	53685
Kherson	384	427	490	526	33106	27063	30132	33496
Khmelnyskiy	372	497	516	514	23842	24373	25469	25028
Cherkasy	910	1072	1189	1193	52551	80337	67494	66302
Chernivtsi	642	440	420	415	47411	32707	29901	29462
Chernihiv	176	475	378	378	10321	22351	22462	23488
cities								
Kyiv	16	24	22	14	19419	16074	11739	12118
Sevastopol	44	...	...	...	14183	...	...	...

6. EDUCATION

This section contains statistics on pre-school educational, general secondary educational, professional (vocational and technical) educational, tertiary educational institution data on training of postgraduate and doctoral students.

Pre-school educational institution is an educational institution that ensures the child's right to get the pre-school education, its physical, mental and spiritual development, social adaptation and availability to continue the education.

General secondary educational institution is an educational institution whose main type of activity is educational activity in the sphere of general secondary education.

Professional (vocational and technical) educational institution is an educational institution that ensures the implementation of citizens' needs for professional (vocational and technical) education, acquiring trade jobs, professions, qualifications according to their interests, abilities, health status.

Tertiary educational institution is a separate type of institution, which is a legal person of private or public law and acts

according to the license issued for educational activities at certain levels of tertiary education. It conducts the scientific, scientific and technical, innovation and/or methodic activity, ensures the organisation of educational process and getting tertiary education by persons, as well as postgraduate education with due regard to their inclinations, interests and abilities.

Getting education implies educates, pupils, students, cadets, attendees, trainees, postgraduate students, junior scientific assistants, doctoral students, other persons who get education in line with any type or form of education.

The postgraduates and doctoral students are trained by tertiary educational institutions and scientific institutions.

Postgraduate is a person enrolled to tertiary educational institution (scientific institution) to get a Ph.D./Doctor of Arts degree.

Doctoral student is a person enrolled or attached to tertiary educational institution (scientific institution) to get a Doctor of Science degree.

EDUCATION

6.1. Pre-school educational institutions

	<i>(end of year)</i>							
	2000	2005	2010	2015	2016	2017	2018	2019
Total institutions, thsd. ¹	16,3	15,1	15,6	14,8	14,9	14,9	14,9	14,8
in urban areas	7,4	6,7	6,7	5,7	5,7	5,8	5,8	5,8
in rural areas	8,9	8,4	8,9	9,1	9,2	9,1	9,1	9,0
Enrollment capacity of the institutions, thsd. places ²	1117	1056	1136	1105	1125	1141	1156	1155
in urban areas	832	773	821	772	785	794	806	806
in rural areas	285	283	315	333	340	347	350	349
Total children at the institutions, thsd.	983	1032	1273	1291	1300	1304	1278	1230
in urban areas	824	840	1012	981	984	985	969	936
in rural areas	159	192	261	310	316	319	309	294
Percentage of total children of the specified age attending pre-school	40	51	53	55	57	59	61	58 ³
in urban areas	52	64	64	64	66	68	71	68 ³
in rural areas	18	27	32	40	41	42	43	40 ³
Children at the institutions per 100 places ⁴	88	98	112	114	113	112	108	105
in urban areas	99	109	123	126	124	123	119	115
in rural areas	56	68	82	87	87	86	83	80

¹ In 2000–2014, including pre-school educational institutions which did not work during a year or more for some reason, since 2015 institutions that worked during a year

² In 2000–2014, excluding places in pre-school educational institutions which did not work during a year or more for some reason

³ The compilation includes data on the total number of pupils of pre-school education institutions including children covered by social and pedagogical patronage and resident population of Ukraine as of January 1, 2019

⁴ Since 2010, excluding children at short-stay groups

EDUCATION

6.2. Pre-school educational institutions, by region

	Total institutions, units						Enrollment, thsd.					
	2000	2005	2010	2015	2018	2019	2000	2005	2010	2015	2018	2019
Ukraine	16347	15058	15628	14813	14898	14763	983,0	1031,7	1272,7	1291,2	1278,2	1230,4
Autonomous Republic of Crimea	684	613	607	...	...	...	36,3	40,3	51,8	...	...	...
oblasts												
Vinnnytsya	695	644	704	777	783	780	37,8	39,0	46,3	56,2	55,6	53,6
Volyn	305	355	444	483	485	479	17,0	23,1	31,7	37,9	37,9	36,8
Dnipropetrovsk	1115	954	939	964	981	981	81,3	82,3	99,3	113,9	109,6	104,0
Donetsk	1402	1155	1144	559	549	481	107,0	105,7	125,0	55,1	52,2	46,2
Zhytomyr	482	575	644	687	675	667	28,4	29,8	38,7	46,6	45,8	43,4
Zakarpattya	505	506	532	572	592	595	20,1	26,9	35,5	47,5	46,6	44,7
Zaporizhzhya	655	544	526	522	510	511	44,2	44,4	52,3	57,4	54,8	52,2
Ivano-Frankivsk	285	283	334	402	453	457	17,5	20,0	27,6	33,6	36,7	36,4
Kyiv	776	710	682	735	764	771	44,5	44,9	56,8	69,8	73,1	71,7
Kirovohrad	566	505	530	508	444	442	23,5	24,0	27,6	32,6	31,7	29,8
Luhansk	644	576	528	237	250	250	41,4	42,8	50,9	15,0	14,9	14,5
Lviv	483	478	589	783	840	825	34,9	40,8	57,1	70,3	73,4	72,1
Mykolayiv	541	517	552	568	560	545	28,9	29,3	36,1	42,4	40,5	38,0
Odesa	735	743	744	756	738	751	45,4	51,7	62,9	74,6	74,1	72,7
Poltava	747	599	562	619	629	630	36,3	34,3	40,1	47,9	46,4	44,7
Rivne	263	265	397	510	524	542	18,2	22,3	32,8	41,1	41,5	41,4
Sumy	590	415	495	516	473	450	29,9	28,5	34,5	37,3	35,9	34,3
Ternopil	474	499	506	577	597	597	19,1	21,6	26,4	31,8	31,4	30,6
Kharkiv	742	612	633	712	746	742	55,1	55,4	67,9	79,0	79,9	77,4
Kherson	561	487	493	468	467	465	26,6	27,1	34,3	37,7	36,2	34,7
Khmelnyskiy	757	806	815	784	754	739	34,1	36,6	42,3	46,8	46,9	45,2
Cherkasy	791	691	696	664	637	635	36,1	35,8	39,4	43,2	40,5	38,7
Chernivtsi	252	309	353	379	378	372	15,3	21,2	27,4	32,2	32,8	31,2
Chernihiv	520	461	414	435	438	432	21,9	22,7	26,1	31,1	29,9	28,6
cities												
Kyiv	687	671	679	596	631	624	72,2	70,6	89,3	110,2	109,9	107,5
Sevastopol	90	85	86	...	...	...	10,0	10,6	12,6	...	...	...

EDUCATION

6.3. Children enrolled in pre-school educational institutions, by region

(percent)

	2000	2005	2010	2015	2016	2017	2018	2019 ¹		
								total	in urban areas	in rural areas
Ukraine	40	51	53	55	57	59	61	58	68	40
Autonomous Republic of Crimea	37	48	48	...	...	...	...	...	...	...
oblasts										
Vinnnytsya	38	51	55	65	67	69	71	67	89	45
Volyn	24	38	45	52	53	55	57	54	76	36
Dnipropetrovsk	48	58	57	63	64	65	67	63	69	37
Donetsk	53	62	61	... ²	... ²	... ²	... ²	... ²	... ²	... ²
Zhytomyr	35	47	55	66	67	69	71	66	85	43
Zakarpattia	25	37	42	53	54	56	57	54	71	46
Zaporizhzhya	49	59	59	64	65	66	67	63	73	36
Ivano-Frankivsk	20	28	34	40	42	44	47	47	74	29
Kyiv	48	59	60	67	68	70	72	71	78	59
Kirovohrad	39	53	55	62	65	67	69	64	80	40
Luhansk	39	51	50	... ²	... ²	... ²	... ²	... ²	... ²	... ²
Lviv	23	33	41	49	50	52	54	52	71	29
Mykolayiv	43	55	59	68	69	71	73	66	77	49
Odesa	37	49	47	54	55	56	57	55	66	38
Poltava	45	56	58	69	70	70	72	70	89	43
Rivne	23	32	41	54	55	57	60	58	85	41
Sumy	49	60	66	73	75	76	77	73	86	44
Ternopil	29	41	45	54	56	58	59	56	81	37
Kharkiv	46	53	54	62	63	64	67	64	71	37
Kherson	40	52	59	67	68	68	70	65	76	49
Khmelnyskiy	43	59	61	65	66	68	71	68	88	42
Cherkasy	49	65	66	70	71	73	74	69	85	50
Chernivtsi	26	45	53	57	58	60	62	58	84	44
Chernihiv	39	50	54	65	67	68	70	66	83	36
cities										
Kyiv	63	65	59	65	64	63	63	62	62	×
Sevastopol	63	68	62	...	...	...	...	...	...	...

¹ See the third footnote to Table 6.1

² Information is not released due to low reliability of data used to make calculations

EDUCATION

6.4. Children in pre-school educational institutions, by language of instruction and region

(percent)

	Language of instruction											
	Ukrainian						Russian					
	2000	2005	2010	2015	2018	2019	2000	2005	2010	2015	2018	2019
Ukraine	78,0	84,2	85,9	94,2	96,7	97,3	21,6	15,2	13,5	5,0	2,5	1,8
Autonomous Republic of Crimea	2,8	3,6	3,3	...	...	...	96,3	95,3	95,6	...	...	...
oblasts												
Vinnnytsya	100,0	99,9	100,0	100,0	100,0	100,0	—	0,0	—	—	—	—
Volyn	100,0	100,0	100,0	100,0	100,0	100,0	—	—	—	—	—	—
Dnipropetrovsk	84,5	89,2	90,6	93,0	96,8	96,9	15,5	10,8	9,4	7,0	3,2	3,1
Donetsk	34,5	65,9	73,7	86,1	94,8	96,2	65,5	34,1	26,3	13,9	5,2	3,8
Zhytomyr	99,8	100,0	100,0	100,0	100,0	100,0	0,2	—	—	—	—	—
Zakarpattya	90,2	88,6	89,6	88,4	87,3	87,7	0,6	0,5	0,4	0,2	0,1	0,1
Zaporizhzhya	62,9	77,4	84,0	84,7	91,5	92,7	37,1	22,6	16,0	15,3	8,5	7,3
Ivano-Frankivsk	100,0	100,0	100,0	100,0	100,0	100,0	—	—	—	—	—	—
Kyiv	99,6	99,9	99,9	99,9	99,96	100,0	0,4	0,1	0,1	0,1	0,04	—
Kirovohrad	98,2	99,2	99,2	99,4	99,3	99,3	1,8	0,8	0,8	0,6	0,7	0,7
Luhansk	19,7	35,6	37,6	59,1	81,7	88,3	80,3	64,4	62,4	40,9	18,3	11,7
Lviv	99,7	99,9	99,8	99,8	99,8	99,9	—	—	—	—	0,0	—
Mykolayiv	90,4	96,2	95,9	96,8	98,7	99,5	9,6	3,8	4,1	3,2	1,3	0,5
Odesa	62,9	72,9	77,8	73,5	85,2	90,1	35,4	25,5	20,6	24,8	13,1	8,4
Poltava	98,3	99,1	98,8	99,6	99,9	100,0	1,7	0,9	1,2	0,4	0,1	—
Rivne	99,9	100,0	100,0	100,0	100,0	100,0	0,1	—	—	—	—	—
Sumy	97,7	97,5	98,7	99,3	99,8	99,8	2,3	2,5	1,3	0,7	0,2	0,2
Ternopil	100,0	100,0	100,0	100,0	100,0	100,0	—	—	—	—	—	—
Kharkiv	82,7	88,7	88,7	88,6	90,9	93,1	17,3	11,3	11,3	11,4	9,1	6,9
Kherson	83,2	86,3	87,4	88,2	99,4	99,7	16,8	13,7	12,6	11,7	0,4	0,1
Khmelnyskiy	99,9	99,9	99,96	100,0	99,91	99,9	0,1	0,0	0,04	—	0,03	—
Cherkasy	99,9	99,9	100,0	100,0	100,0	100,0	0,1	0,1	—	—	—	—
Chernivtsi	93,6	91,3	91,5	90,1	89,7	89,3	0,2	—	—	0,2	—	—
Chernihiv	99,5	99,9	99,9	100,0	100,0	100,0	0,5	0,1	0,1	—	—	—
cities												
Kyiv	99,9	99,9	99,9	99,9	99,7	99,7	0,1	0,1	—	0,02	—	—
Sevastopol	1,6	2,0	4,4	...	...	...	98,4	98,0	95,6	...	...	...

At the end of 2019, 10,4 thsd. children in multi-national regions were taught in Hungarian, Romanian, Moldavian, Polish, Slovak, Crimean Tatar and English languages.

EDUCATION

6.5. General secondary and tertiary educational institutions for 1914–2019

(beginning of academic year)

	General secondary educational institutions ¹		Tertiary educational institutions			
			colleges, technical secondary schools, vocational schools ²		universities, academies, institutes ³	
	total	pupils, thsd.	total	students, thsd.	total	students, thsd.
1914/15	26069	2607	88	13	27	35
1940/41	32132	6830	693	196	173	197
1950/51	35961	7134	584	228	160	202
1955/56	34216	5882	635	375	134	326
1960/61	37660	6722	595	398	135	418
1965/66	34613	8671	697	646	132	690
1970/71	29791	8414	760	798	138	807
1975/76	25680	8063	730	784	142	831
1980/81	23042	7516	727	803	147	880
1985/86	21927	7249	731	809	146	853
1990/91	21825	7132	742	757	149	881
1995/96	22255	7143	782	618	255	923
2000/01	22210	6764	664	528	315	1403
2005/06	21589	5399	606	505	345	2204
2010/11	20300	4299	505	361	349	2130
2015/16	17337	3783	371	230	288	1375
2016/17	16858	3846	370	217	287	1369
2017/18	16180	3922	372	209	289	1330
2018/19	15521	4042	370	200	282	1322
2019/20	15194	4138	338	174	281	1266

¹ Source: the Ministry of Education and Science of Ukraine

² Before 2016/17 academic year – institutions of higher educations of the I-II levels of accreditation

³ Before 2016/17 academic year – institutions of higher educations of the III-IV levels of accreditation

EDUCATION

6.6. Enrollment in educational institutions

(beginning of academic year; thsd.)

	2000/01	2005/06	2010/11	2015/16	2016/17	2017/18	2018/19	2019/20
Total	9220	8605	7224	5692	5718	5730	5819	5824
General secondary educational institutions ¹	6764	5399	4299	3783	3846	3922	4042	4138
day	6647	5301	4228	3750	3815	3894	4017	4116
night (part-time), including distance learning	117	98	71	33	31	28	25	22
Professional (vocational and technical) educational institutions ¹	525	497	434	304	286	269	255	246
Tertiary educational institutions								
colleges, technical secondary schools, vocational schools ²	528	505	361	230	217	209	200	174
universities, academies, institutes ³	1403	2204	2130	1375	1369	1330	1322	1266
Per 10 thsd. population								
General secondary educational institutions ¹	1383	1151	939	885	903	925	959	988
Professional (vocational and technical) educational institutions ¹	107	106	95	71	67	64	60	59
Tertiary educational institutions								
colleges, technical secondary schools, vocational schools ²	107	108	79	53	51	49	47	41
universities, academies, institutes ³	285	470	465	322	322	314	314	302

¹ See the first footnote to Table 6.5

² See the second footnote to Table 6.5

³ See the third footnote to Table 6.5

At the beginning of the 2019/20 academic year, 40,4 thsd. pupils were trained in 282 general secondary educational institutions, based on private ownership, 122,7 thsd. students were trained in 115 tertiary education institutions, based on private ownership.

6.7. General secondary educational institutions

(source: by Ministry of Education and Science of Ukraine; beginning of academic year; thsd.)

	2000/01	2005/06	2010/11	2015/16	2016/17	2017/18	2018/19	2019/20
Institutions	22,2	21,6	20,3	17,3	16,9	16,2	15,5	15,2
Pupils	6764	5399	4299	3783	3846	3922	4042	4138
including grades 10–12 (10–16)	1049	975	570	432	412	404	427	456
Total teachers	577	543	515	444	438	440	441	440

In 2019, 3,7 thsd. pupils attended the 1st grades set up at pre-school educational institutions.

EDUCATION

6.8. General secondary educational institutions, by region

(source: by Ministry of Education and Science of Ukraine;
beginning of academic year)

	Institutions						Enrollment, thsd.					
	2000/ 01	2005/ 06	2010/ 11	2015/ 16	2018/ 19	2019/ 20	2000/ 01	2005/ 06	2010/ 11	2015/ 16	2018/ 19	2019/ 20
Ukraine	22210	21589	20300	17337	15521	15194	6764	5399	4299	3783	4042	4138
Autonomous Republic of Crimea	645	632	609	...	...	...	295	223	177	...	...	...
oblasts												
Vinnnytsya	1072	1040	976	883	795	772	245	205	160	153	162	165
Volyn	832	816	787	753	629	614	167	147	126	129	139	142
Dnipro-petrovsk	1113	1094	1044	1002	906	880	492	378	298	309	330	337
Donetsk	1318	1235	1151	563	521	514	588	432	337	150	162	167
Zhytomyr	950	903	844	760	667	638	208	173	137	129	135	137
Zakarpattya	722	716	693	669	665	666	208	182	156	157	165	168
Zaporizhzhya	698	677	639	600	557	538	269	203	159	159	168	171
Ivano-Frankivsk	772	772	761	740	705	689	222	191	155	149	156	159
Kyiv	813	809	781	747	706	702	263	214	172	186	212	223
Kirovohrad	631	617	576	533	325	320	159	125	95	91	95	96
Luhansk	843	793	732	308	280	276	325	234	176	52	55	55
Lviv	1479	1487	1440	1386	1208	1194	390	328	263	260	277	283
Mykolayiv	672	651	592	554	500	484	187	147	114	111	117	119
Odesa	975	975	950	881	809	803	344	283	235	243	265	272
Poltava	962	870	786	694	619	606	222	178	135	128	134	136
Rivne	796	750	707	677	608	590	192	171	147	148	159	163
Sumy	704	658	592	531	443	422	172	130	98	93	96	98
Ternopil	925	920	889	837	726	699	170	145	116	106	110	111
Kharkiv	1007	984	917	818	746	740	373	285	223	230	246	254
Kherson	581	575	509	470	428	417	182	143	110	106	111	113
Khmelnyskiy	1103	1075	926	783	682	649	212	177	138	128	134	137
Cherkasy	719	699	679	630	577	556	199	158	118	110	115	116
Chernivtsi	462	454	447	432	406	403	138	121	100	98	103	105
Chernihiv	843	778	674	590	508	487	166	129	98	92	95	97
cities												
Kyiv	497	534	525	496	505	535	327	261	225	266	301	314
Sevastopol	76	75	74	...	...	...	49	36	31	...	...	...

EDUCATION

6.9. General secondary educational institutions at the beginning of 2019/20, by region

(source: by Ministry of Education and Science of Ukraine)

	Total institutions	In which		Including property-based institutions					
		pupils	teachers	public ¹	in which		private	in which	
					pupils ²	teachers		pupils	teachers
Ukraine	15194	4138466	439921	14912	4098031	433939	282	40435	5982
Autonomous Republic of Crimea	...	...	...	...	...	...	...	...	...
oblasts									
Vinnnytsya	772	164892	19723	765	164136	19585	7	756	138
Volyn	614	141639	17621	613	141510	17597	1	129	24
Dnipropetrovsk	880	337161	28279	870	336414	28102	10	747	177
Donetsk	514	166892	14806	510	166615	14753	4	277	53
Zhytomyr	638	137535	17208	634	136889	17124	4	646	84
Zakarpattia	666	167899	19056	657	167064	18909	9	835	147
Zaporizhzhya	538	170621	16986	531	170152	16885	7	469	101
Ivano-Frankivsk	689	158773	21639	684	158018	21537	5	755	102
Kyiv	702	223361	20817	668	220295	20278	34	3066	539
Kirovohrad	320	96141	11151	320	96141	11151	—	—	—
Luhansk	276	55234	6285	276	55234	6285	—	—	—
Lviv	1194	282919	34750	1173	280328	34310	21	2591	440
Mykolayiv	484	119111	11626	482	118915	11584	2	196	42
Odesa	803	272141	24359	766	266044	23521	37	6097	838
Poltava	606	136513	15313	603	136276	15261	3	237	52
Rivne	590	163167	19694	589	163059	19679	1	108	15
Sumy	422	97542	10892	420	97335	10855	2	207	37
Ternopil	699	110992	16167	699	110992	16167	—	—	—
Kharkiv	740	253567	22419	717	246114	21778	23	7453	641
Kherson	417	112585	11304	415	112534	11281	2	51	23
Khmelnyskiy	649	136767	16418	644	136217	16328	5	550	90
Cherkasy	556	116310	14024	550	115843	13924	6	467	100
Chernivtsi	403	105516	12027	400	104987	11960	3	529	67
Chernihiv	487	96769	12055	486	96611	12022	1	158	33
cities									
Kyiv	535	314419	25302	440	300308	23063	95	14111	2239
Sevastopol	...	...	...	...	...	...	...	...	...

¹ Property-based Institutions of public and communal

² Including pupils at sanatoria schools who are at these institutions for the time being and recorded by the main place of training

EDUCATION

6.10. Day general secondary educational institutions

*(source: by Ministry of Education and Science of Ukraine;
beginning of academic year)*

	2000/01	2005/06	2010/11	2015/16	2016/17	2017/18	2018/19	2019/20
Total institutions	21965	21357	20095	17201	16728	16060	15421	15106
level 1 st	3144	2777	2016	1562	1572	1374	1219	1114
levels 1 st and 2 nd	6262	5754	5310	4524	4254	3978	3606	3370
levels ¹ 1 st –3 rd	12157	12418	12369	10779	10568	10374	10270	10296
special schools (boarding schools), educational and rehabilitation facilities and social rehabilitation schools ²	402	408	400	336	334	334	326	326
Total pupils at the institutions, thsd.	6647	5301	4228	3750	3815	3894	4017	4116
level 1 st	107	101	79	74	76	74	74	72
levels 1 st and 2 nd	707	497	364	302	299	292	277	263
levels ¹ 1 st –3 rd	5764	4642	3720	3330	3395	3483	3622	3737
special schools (boarding schools), educational and rehabilitation facilities and social rehabilitation schools ²	69	61	65	44	45	45	44	43
Total teachers, thsd.	572	539	511	441	435	437	439	438

¹ Including gymnasias, lyceums and institutions of levels 2st and 3rd

² Including pupils from special classes organized at the general secondary educational institutions (boarding schools) but excluding pupils with special educational needs

6.11. Evening (part-time) general secondary educational institutions

*(source: by Ministry of Education and Science of Ukraine;
beginning of academic year)*

	2000/01	2005/06	2010/11	2015/16	2016/17	2017/18	2018/19	2019/20
Total institutions	245	232	205	136	130	120	100	88
Total pupils (including distance learning) ¹ , thsd.	117	98	71	33	31	28	25	22
of which grades 10–12 (10–16)	99	87	63	30	28	26	23	21

¹ Including those who were trained in night (part-time) and distance learning grades (groups) set up at day general secondary educational institutions and educational consulting institutions

EDUCATION

6.12. Pupils of day general secondary educational institutions, by language of instruction and region¹
(beginning of academic year; percent)

	Language of instruction											
	Ukrainian						Russian					
	2000/01	2005/06	2010/11	2015/16	2018/19	2019/20	2000/01	2005/06	2010/11	2015/16	2018/19	2019/20
Ukraine	70	78	82	90	91	92	29	21	17	9	8	7
Autonomous Republic of Crimea	0,9	5	8	...	...	...	97	93	89	...	...	...
oblasts												
Vinnnytsya	98	99	99,5	99,6	99,7	99,8	2	1	0,5	0,4	0,3	0,2
Volyn	99	99,7	99,8	99,9	99,9	100	1	0,3	0,2	0,1	0,1	0,0
Dnipropetrovsk	68	78	81	81	83	86	32	22	19	19	17	14
Donetsk	14	29	47	58	72	81	86	71	53	42	28	19
Zhytomyr	96	99	99	99,5	99,7	99,8	4	1	1	0,5	0,3	0,2
Zakarpattia	86	86	87	87	87	87	2	1	1	1	1	1
Zaporizhzhya	45	60	73	75	78	80	55	40	27	25	22	20
Ivano-Frankivsk	99	99,7	99,6	99,4	99,4	99,4	1	0,2	0,3	0,3	0,3	0,3
Kyiv	97	99	99	99,4	99,7	99,8	3	1	1	0,6	0,3	0,2
Kirovohrad	89	96	98	98	99	99	11	4	2	2	1	1
Luhansk	17	34	48	65	71	76	83	66	52	35	29	24
Lviv	98	99	99	99	99	99	2	1	1	1	1	0,7
Mykolayiv	74	87	92	92	93	93	26	13	8	8	7	7
Odesa	47	65	72	69	72	75	51	33	26	29	27	24
Poltava	93	97	98	99	99	99,7	7	3	2	1	1	0,3
Rivne	99,7	99,9	99,97	100	100	100	0,3	0,1	0,03	—	—	—
Sumy	83	93	96	96	98	98,9	17	7	4	4	2	1,1
Ternopil	99,7	99,8	99,9	99,9	99,9	100	0,3	0,2	0,1	0,1	0,1	—
Kharkiv	55	71	75	73	74	76	45	29	25	27	26	24
Kherson	76	83	85	84	89	92	24	17	15	16	11	8
Khmelnyskiy	98	99,3	99,5	99,5	99,7	99,8	2	0,4	0,2	0,2	0,1	—
Cherkasy	96	98	99	99	99	99,4	4	2	1	1	1	0,6
Chernivtsi	81	81	84	86	87	87	2	0,7	0,4	0,3	0,2	0,2
Chernihiv	94	99	99,5	99,6	99,6	99,7	6	1	0,5	0,4	0,4	0,3
cities												
Kyiv	93	96	97	97	97	97,6	7	4	3	3	3	2,3
Sevastopol	2	2	3	...	...	...	98	98	97	...	...	...

¹ Excluding pupils from specialized schools (boarding schools) and special classes

Also at the beginning of the 2019/20 academic year, 17,2 thsd. children were taught in Hungarian, 16,1 thsd. in Romanian, 2,5 thsd. in Moldovian, 1,7 thsd. in Polish, 0,2 thsd. in English, 0,1 thsd. in Slovakian, 0,1 thsd. in German, 58 pupils in Bulgarian and 53 pupils Crimean Tatar.

EDUCATION

6.13. Pupils graduating from general secondary educational institutions

(source: by Ministry of Education and Science of Ukraine; thsd.)

	Number of pupils who obtained a certificate of getting base general secondary education			Number of pupils who obtained a diploma of getting complete general secondary education		
	total	day	evening (part-time)	total	day	evening (part-time)
2000	720	708	12	475	445	30
2005	649	640	9	515	482	33
2010	566	559	7	364	340	24
2015	336	333	3	230	218	12
2016	329	327	2	211	201	10
2017	329	326	3	203	194	9
2018	345	343	2	195	186	9
2019	352	350	2	198	190	8

In 2019, 63,4% of graduates of the 9th joined the 10th grade at day general secondary educational institutions, 1,4% were enrolled to part-time evening shift schools, 14,7% entered to professional (vocational and technical) educational institutions, and 19,6% were enrolled to tertiary educational institutions.

6.14. Professional (vocational and technical) educational institutions

(source: by Ministry of Education and Science of Ukraine)

	Number of institutions, end of year, units	Total pupils, listeners, end of year, thsd.	Number of persons enrolled for training, during the year, thsd.	Number of persons issued, during the year, thsd.
2000	970	524,6	307,3	266,8
2005	1023	496,6	314,2	286,6
2010	976	433,5	282,9	247,3
2015	798	304,1	176,6	165,0
2016	787	285,8	157,9	152,8
2017	756	269,4	146,9	141,3
2018	736	255,0	136,6	133,5
2019	723 ¹	245,8	131,0	124,0
Vocational training of persons in 2019 who have completed secondary education	×	58,0	38,9	38,5
got the profession with obtaining the complete general secondary education	×	168,8	60,2	52,9
obtained qualification without complete secondary education	×	8,1	4,8	4,7
involved in vocational training				
not working population	×	1,4	3,4	3,4
enterprise workers	×	8,9	17,6	18,2
involved in upgrading				
not working population	×	0,1	2,1	2,1
enterprise workers	×	0,5	4,0	4,2

¹ In addition to 719 institutions of the Ministry of Education and Science of Ukraine data include 4 institutions of other ministries (agencies)

EDUCATION

6.15. Number of persons issued from professional (vocational and technical) educational institutions, by region

(source: by Ministry of Education and Science of Ukraine; thsd.)

	2000	2005	2010	2015	2016	2017	2018	2019
Ukraine	266,8	286,6	247,3	165,0	152,8	141,3	133,5	124,0
Autonomous Republic of Crimea	8,7	10,0	9,0	...	...	...	...	...
oblasts								
Vinnitsya	10,9	14,5	11,3	7,9	7,4	6,9	6,8	6,4
Volyn	7,1	8,6	7,1	5,9	5,4	5,0	4,7	4,7
Dnipropetrovsk	20,0	24,5	23,9	16,9	14,5	14,4	13,0	12,5
Donetsk	28,4	29,7	24,4	6,7	6,2	6,2	6,3	6,3
Zhytomyr	7,1	6,9	5,8	5,2	4,6	4,2	4,1	3,6
Zakarpattia	5,1	5,4	4,8	3,4	2,8	2,7	2,6	2,4
Zaporizhya	13,0	15,3	10,9	8,4	7,5	6,5	6,0	5,9
Ivano-Frankivsk	5,4	6,8	6,2	5,6	5,0	4,4	4,5	4,1
Kyiv	9,0	9,9	7,6	5,6	5,3	5,0	4,7	4,3
Kirovohrad	7,6	7,9	5,8	4,1	3,3	3,0	3,0	2,9
Luhansk	18,7	17,1	15,1	3,0	2,4	2,5	2,3	1,9
Lviv	19,3	19,5	16,6	15,0	14,2	12,3	11,2	9,5
Mykolayiv	8,1	8,5	7,6	6,3	6,2	5,5	5,7	5,2
Odesa	9,2	10,0	10,1	8,9	9,0	7,8	7,5	7,1
Poltava	10,6	10,4	9,0	6,1	5,8	5,5	5,1	4,8
Rivne	5,8	6,6	6,3	6,3	5,8	5,8	5,4	5,2
Sumy	8,9	9,4	9,6	5,8	5,5	5,2	5,2	4,6
Ternopil	4,8	6,6	6,0	5,1	4,9	4,4	4,2	3,7
Kharkiv	15,5	15,8	11,2	7,7	7,3	6,7	6,3	5,9
Kherson	5,9	7,1	5,4	4,4	4,2	3,8	3,8	3,5
Khmelnyskiy	7,2	7,0	8,0	6,9	6,3	6,2	5,8	5,4
Cherkasy	6,2	5,8	5,3	5,3	5,6	4,4	4,5	4,1
Chernivtsi	3,9	4,7	4,0	3,7	3,4	3,2	3,1	2,9
Chernihiv	6,3	6,0	4,9	3,6	3,2	3,1	2,9	2,6
cities								
Kyiv	12,8	10,9	10,0	7,2	7,0	6,6	4,8	4,5
Sevastopol	1,3	1,7	1,4	...	...	...	...	...

EDUCATION

6.16. Tertiary educational institution

(beginning of academic year)

	Colleges, technical secondary schools, vocational schools ¹						Universities, academies, institutes ²					
	2000/01	2005/06	2010/11	2015/16	2018/19	2019/20	2000/01	2005/06	2010/11	2015/16	2018/19	2019/20
Total institutions	664	606	505	371	370	338	315	345	349	288	282	281
Total students, thsd.	528,0	505,3	361,5	230,1	199,9	173,6	1402,9	2203,8	2129,8	1375,2	1322,3	1266,1
full-time	400,8	373,4	302,9	203,1	178,1	156,0	859,5	1233,8	1250,2	938,2	920,7	889,1
Number of persons enrolled for training, thsd.	190,1	169,2	129,1	63,2	53,5	47,1	346,4	503,0³	392,0³	259,9³	256,8³	250,1³
full-time	141,2	124,8	105,9	57,4	47,5	42,1	219,5	305,0	276,2	206,3	201,3	202,2
Number of persons graduated from tertiary educational institutions, thsd.	148,6	142,7	111,0	73,4	55,5	50,2	273,6	372,4⁴	543,7⁴	374,0⁴	357,4⁴	333,6⁴
full-time	109,5	101,9	81,2	61,4	47,9	43,4	189,1	199,6	275,6	211,6	223,2	201,6

¹ See the second footnote to Table 6.5

² See the third footnote to Table 6.5

³ Person who are enrolled for training for the first time at tertiary educational institutions (excluding those who continue education in order to get more higher education degree (educational and qualification level))

⁴ Excluding persons who continue education in order to get more higher education degree (educational and qualification level), since 2019/20 school year, persons who after obtaining the diploma on receiving the relevant educational degree (education and qualification level) completed their training at tertiary educational institution and left it

The number of students at the colleges, technical secondary schools, vocational schools 3,0 thsd. persons with disabilities, 4,0 thsd. orphans and uncared children (aged under 18), at the universities, academies, institutes – 10,0 thsd. and 13,0 thsd. respectively.

60,0 thsd. foreign students study at institutions of higher education.

In 2019, 146,6 thsd. masters, 13,5 thsd. specialists, 123,7 thsd. bachelors and 100,0 thsd. junior specialists graduated.

6.17. Enrollment and graduation of experts by tertiary educational institutions by source of financing in 2019

	Number of persons enrolled for training ¹	Including enrolled for training funds from				Number of persons graduated from tertiary educational institutions ²
		Central budget		local budgets		
		total	percentage of total number of the enrolled	total	percentage of total number of the enrolled	
Total	446573	170048	38,1	35453	7,9	383865
By education degree (education and qualification level)						
master	141853	56625	39,9	959	0,7	146602
specialist	—	—	—	—	—	13516
bachelor	203353	77445	38,1	2717	1,3	123716
junior bachelor (junior specialist)	101367	35978	35,5	31777	31,3	100031

¹ Total number of persons enrolled into training: persons who were enrolled into tertiary educational institutions for the first time as well as persons who are enrolled to continue their training in order to get a higher educational degree

² See the fourth footnote to Table 6.16

EDUCATION

6.18. Colleges, technical secondary schools, vocational schools¹, by region

(beginning of academic year)

	Total institutions						Enrollment, thsd.					
	2000/01	2005/06	2010/11	2015/16	2018/19	2019/20	2000/01	2005/06	2010/11	2015/16	2018/19	2019/20
Ukraine	664	606	505	371	370	338	528,0	505,3	361,5	230,1	199,9	173,6
Autonomous Republic of Crimea	26	22	17	...	...	...	14,1	11,2	7,8	...	...	...
oblasts												
Vinnitsya	26	20	17	17	16	14	22,8	17,8	17,3	12,1	9,1	8,3
Volyn	15	14	11	10	10	10	10,7	11,0	7,9	7,6	6,8	6,2
Dnipropetrovsk	43	35	31	29	31	30	37,0	32,6	23,6	20,3	19,0	18,4
Donetsk	68	63	55	11	19	18	51,1	56,8	38,5	5,1	7,7	7,6
Zhytomyr	20	20	18	15	14	14	17,5	22,7	16,6	10,5	9,3	8,9
Zakarpattia	15	14	11	9	9	9	8,2	7,0	5,0	3,3	2,8	2,7
Zaporizhzhya	23	23	16	14	13	8	18,4	18,9	10,9	8,3	7,0	4,3
Ivano-Frankivsk	25	22	19	11	11	11	19,4	18,3	14,6	7,4	6,3	5,9
Kyiv	18	20	17	17	16	13	12,8	11,3	9,4	7,2	5,4	3,8
Kirovohrad	18	17	14	13	13	11	11,2	12,3	8,6	6,5	5,5	4,8
Luhansk	30	33	28	8	8	8	25,0	28,0	17,3	2,6	2,5	2,3
Lviv	40	33	23	21	20	20	33,4	30,8	20,3	14,4	11,6	10,6
Mykolayiv	17	12	11	11	12	9	13,1	10,4	7,6	5,9	6,9	4,2
Odesa	32	23	20	19	19	15	27,6	24,8	15,4	14,6	13,6	9,9
Poltava	24	18	16	12	12	12	18,0	14,3	11,2	7,6	5,9	5,3
Rivne	11	11	11	10	9	7	12,8	11,0	10,7	8,4	5,9	3,6
Sumy	21	12	10	10	10	10	14,5	6,6	5,4	4,7	4,0	3,7
Ternopil	13	12	10	12	12	12	11,0	9,5	7,4	7,8	7,2	6,8
Kharkiv	39	38	33	32	30	28	31,2	29,3	23,0	19,4	16,3	14,9
Kherson	18	15	13	12	12	12	14,3	15,0	10,0	6,7	6,0	5,4
Khmelnyskiy	15	15	10	10	9	9	9,6	10,9	7,3	5,2	4,4	4,1
Cherkasy	20	21	12	11	10	10	16,2	17,8	11,3	8,6	5,5	5,2
Chernivtsi	16	16	13	13	13	13	13,6	13,6	10,2	9,0	7,4	6,7
Chernihiv	20	21	17	14	12	10	15,6	15,4	9,4	6,1	4,3	3,0
cities												
Kyiv	46	51	47	30	30	25	44,9	45,1	32,6	20,8	19,5	17,0
Sevastopol	5	5	5	...	...	...	4,0	2,9	2,2	...	...	...

¹ See the second footnote to Table 6.5

EDUCATION

**6.19. Students in colleges, technical secondary schools, vocational schools ¹,
by language of instruction and region**

(beginning of academic year; percent)

	Language of instruction											
	Ukrainian						Russian					
	2000/01	2005/06	2010/11	2015/16	2018/19	2019/20	2000/01	2005/06	2010/11	2015/16	2018/19	2019/20
Ukraine	78	85	91	99	99,8	99,8	22	14	9	1	0,2	0,2
Autonomous Republic of Crimea	—	3	5	...	...	...	100	97	95	...	...	...
oblasts												
Vinnysya	99	100	100	100	100	100	1	—	—	—	—	—
Volyn	100	100	100	100	100	100	—	—	—	—	—	—
Dnipropetrovsk	74	93	98	99,6	100	100	26	7	2	0,4	0,0	—
Donetsk	24	35	49	85	99,6	100	76	65	51	15	0,4	—
Zhytomyr	100	100	100	100	100	100	—	—	—	—	—	—
Zakarpattia	97	99	98	98	99,9	100	—	—	—	—	—	—
Zaporizhzhya	69	80	94	97	100	100	31	20	6	3	—	—
Ivano-Frankivsk	100	100	100	100	100	100	—	—	—	—	—	—
Kyiv	100	100	100	100	100	100	—	—	—	—	—	—
Kirovohrad	99	100	100	100	100	100	1	—	—	—	—	—
Luhansk	43	68	89	75	100	100	57	32	11	25	—	—
Lviv	100	100	100	100	100	100	—	—	—	—	—	—
Mykolayiv	95	100	100	100	100	100	5	—	—	—	—	—
Odesa	58	87	97	96	97	96,1	42	13	3	4	3	3,9
Poltava	90	100	100	100	100	100	10	—	—	—	—	—
Rivne	100	100	100	100	100	100	—	—	—	—	—	—
Sumy	92	100	100	100	100	100	8	—	—	—	—	—
Ternopil	100	100	100	100	100	100	—	—	—	—	—	—
Kharkiv	69	92	96	96	100	100	31	8	4	4	—	—
Kherson	73	89	100	100	100	100	27	11	—	—	—	—
Khmelnyskiy	100	100	100	100	100	100	—	—	—	—	—	—
Cherkasy	99,9	100	100	100	100	100	0,1	—	—	—	—	—
Chernivtsi	99,5	99	99	99	99	99,2	—	—	—	—	—	—
Chernihiv	99	100	100	100	100	100	1	—	—	—	—	—
cities												
Kyiv	98	99	100	100	100	100	2	1	—	—	—	—
Sevastopol	—	—	—	...	...	...	100	100	100	...	...	...

¹ See the second footnote to Table 6.5

As of the beginning of the 2019/20 academic year 51 students studied in Romanian in the Chernivtsi oblast.

EDUCATION

6.20. Universities, academies, institutes¹, by region

(beginning of academic year)

	Total institutions						Enrollment, thsd.					
	2000/01	2005/06	2010/11	2015/16	2018/19	2019/20	2000/01	2005/06	2010/11	2015/16	2018/19	2019/20
Ukraine	315	345	349	288	282	281	1402,9	2203,8	2129,8	1375,2	1322,3	1266,1
Autonomous Republic of Crimea	14	13	15	...	...	...	42,4	53,3	47,7	...	...	...
oblasts												
Vinnnytsya	5	5	5	6	7	8	25,6	39,8	33,4	32,6	35,4	33,1
Volyn	3	4	4	4	4	4	18,1	23,8	25,7	19,0	18,1	17,8
Dnipropetrovsk	20	22	25	23	24	25	107,0	156,3	147,7	104,6	92,6	89,6
Donetsk	26	27	27	6	9	9	120,4	160,3	133,1	18,5	24,9	25,7
Zhytomyr	5	5	4	5	5	4	20,1	28,5	27,6	20,8	20,2	18,0
Zakarpattya	4	5	6	5	5	5	14,5	20,1	23,4	18,7	21,0	18,9
Zaporizhzhya	12	12	11	10	11	12	51,5	83,4	92,3	63,1	62,4	61,9
Ivano-Frankivsk	6	9	9	5	5	4	24,5	42,2	40,2	31,0	30,9	29,4
Kyiv	3	5	7	6	5	5	18,5	28,9	30,9	22,9	21,4	21,1
Kirovohrad	6	6	7	4	2	4	17,7	20,8	19,8	9,6	8,5	8,6
Luhansk	7	9	10	4	4	4	52,3	86,4	88,1	17,2	18,4	17,8
Lviv	17	28	23	21	23	22	83,8	127,8	137,1	111,0	109,0	105,1
Mykolayiv	3	5	5	5	5	7	21,7	33,5	35,8	27,2	24,1	25,3
Odesa	20	22	22	21	21	20	88,4	119,5	127,2	97,9	91,6	85,3
Poltava	8	8	7	7	6	6	38,5	58,8	53,8	42,0	39,3	36,6
Rivne	5	6	6	5	4	5	22,9	42,9	39,2	28,5	26,2	26,5
Sumy	6	5	5	6	4	4	27,0	59,2	46,3	33,1	29,9	27,3
Ternopil	9	11	8	8	6	5	43,8	57,4	47,5	32,9	34,1	32,8
Kharkiv	36	37	37	37	34	32	176,7	256,8	232,7	162,3	154,8	150,4
Kherson	6	6	8	8	9	9	25,2	29,7	28,5	20,5	20,1	19,4
Khmelnyskiy	10	10	10	9	9	9	28,7	39,4	43,4	28,2	27,0	25,8
Cherkasy	7	6	6	5	6	6	24,2	39,3	41,1	30,6	32,2	30,9
Chernivtsi	4	4	4	4	3	3	17,6	25,8	27,1	22,3	21,2	19,8
Chernihiv	4	5	5	3	4	4	19,4	26,7	22,9	15,3	15,4	14,7
cities												
Kyiv	66	65	69	71	67	65	259,9	525,7	521,8	365,4	343,6	324,3
Sevastopol	3	5	4	...	...	...	12,5	17,5	15,5	...	...	...

¹ See the third footnote to Table 6.5

EDUCATION

6.21. Students in universities, academies, institutes¹, by language of instruction and region
(beginning of academic year; percent)

	Language of instruction											
	Ukrainian						Russian					
	2000/01	2005/06	2010/11	2015/16	2018/19	2019/20	2000/01	2005/06	2010/11	2015/16	2018/19	2019/20
Ukraine	73	82	90	97	99	98,5	27	18	10	2	0,6	0,3
Autonomous Republic of Crimea	0,1	7	17	...	...	...	99,9	93	83	...	...	...
oblasts												
Vinnitsya	99	99	99	100	100	100	1	1	1	—	—	—
Volyn	100	100	100	100	100	100	—	—	—	—	—	—
Dnipropetrovsk	62	79	93	97	99,5	99,7	38	21	7	2	0,4	0,1
Donetsk	23	34	62	62	89	90	77	66	38	38	11	8,8
Zhytomyr	92	97	99	100	100	100	8	3	1	—	—	—
Zakarpattya	98	97	97	94	94	94	—	—	—	—	1	—
Zaporizhzhya	70	84	95	96	99,9	100	30	15	5	4	0,1	—
Ivano-Frankivsk	100	100	100	100	100	100	—	—	—	—	—	—
Kyiv	99,8	100	100	100	100	99,6	0,2	—	—	—	—	—
Kirovohrad	92	91	89	100	100	100	8	9	11	—	—	—
Luhansk	26	43	79	95	100	100	74	57	21	5	—	—
Lviv	100	100	100	100	100	100	—	—	—	—	—	—
Mykolayiv	91	99,8	99,8	99,8	99,9	94,8	9	0,2	0,2	0,2	0,1	—
Odesa	66	76	84	92	98	98,2	34	24	16	8	2	1,6
Poltava	83	99,1	100	100	100	100	17	0,9	—	—	—	—
Rivne	100	100	100	99,9	100	100	—	—	—	0,1	—	—
Sumy	100	99,8	100	99,3	99,3	99,5	—	0,2	—	0,3	—	—
Ternopil	100	100	99,9	100	100	100	—	—	—	—	—	—
Kharkiv	66	76	88	93,7	97,7	96,7	34	24	12	5,8	1,4	0,1
Kherson	60	65	89	99	99,7	95,7	40	35	11	1	0,3	—
Khmelnyskiy	99	99,8	99,9	100	100	100	1	0,2	0,1	0,0	—	—
Cherkasy	98	99,6	100	100	100	100	2	0,4	—	—	—	—
Chernivtsi	99,9	100	100	100	100	100	0,1	—	—	—	—	—
Chernihiv	94	96	96	100	100	100	6	4	4	—	0,0	—
cities												
Kyiv	94	96	95	99	99	98	6	3	5	0,5	0,0	0,0
Sevastopol	—	4	13	...	...	...	100	96	87	...	...	...

¹ See the third footnote to Table 6.5

At the beginning of 2019/20, 2134 students in Kyiv city, 1497 students in the Kharkiv, 218 students in the Odesa, 187 students in the Dnipropetrovsk, 150 students in the Sumy, 112 students in the Kherson, 86 students in the Kyiv, 30 students in the Zaporizhzhya, 6 students in the Chernihiv, 5 students in the Vinnitsya oblasts were taught in English, 996 students in the Zakarpattya oblast were taught in Hungarian.

EDUCATION

6.22. Training of postgraduate students

	2000	2005	2010	2015	2016	2017	2018	2019
Number of scientific institutions and tertiary educational institutions that have postgraduate training program, the end of year, units	418	496	530	490	481	475	431	417
Total postgraduate students, end of year, persons	23295	29866	34653	28487	25963	24786	22829	25245
Number of persons enrolled into postgraduate courses	7744	9711	10626	9813	6609	7274	7172	7381
full-time education ¹	5153	6006	6503	6528	4222	4435	4434	4446
evening and part-time education ²	2591	3705	4123	3285	2387	2839	2738	2935
Number of persons who graduated from postgraduate courses	5132	6417	8290	7493	6703	6087	6401	2913
full-time education ¹	3715	4279	5212	4794	4283	3990	4387	699
evening and part-time education ²	1417	2138	3078	2699	2420	2097	2014	2214

¹ Before 2017, full-time

² Before 2017, part-time

6.23. Training of doctoral students

	2000	2005	2010	2015	2016	2017	2018	2019
Number of scientific institutions and tertiary educational institutions that have doctoral training program, the end of year, units	209	240	263	283	282	277	270	253
Total Doctorate students, end of year, persons	1131	1315	1561	1821	1792	1646	1145	1113
Number of persons enrolled into doctoral studies	376	461	603	650	584	493	544	511
Number of persons who graduated from doctoral studies	401	373	459	563	551	543	963	511

7. HEALTH CARE AND SOCIAL PROTECTION

This section includes statistics on general morbidity rates as well as selected illnesses. It also provides data on medical institutions and staff employed. There are some statistics on residential facilities for the aged and disabled (adults and children) and data on disability.

Data on physicians includes all doctors with higher medical education at the end of a given year. It includes physicians employed in medical and sanatorium institutions, social protection, educational and research institutions, staff training institutions within the health care system, etc. This indicator before 2008 covered dentists with higher education and dental technicians with secondary medical education. Starting from 2008 dental technicians with secondary medical education are not taken into account in the total number of physicians.

Paramedical personnel is reported at the end of the year includes all persons with secondary medical education (excluding dental technicians) who are employed in medical and sanatorium institutions, social protection institutions, pre-school educational institutions, schools, orphan houses, etc.

Data on hospital beds is reported at the end of the year. Statistics show beds equipped with necessary supplies and available for patient use, regardless of whether the beds are occupied by patients.

Hospitals providing care for out-patients include all medical institutions which provide out-patient care (clinics, out-patients' departments, health centers, out-patients' departments of hospitals, hospital centers for health care, etc).

Injured at work is an individual who had an accident at work and died or, based

on a medical certificate, is incapable of working during one or more days. This person may be given an easier job for one or more days if a document registering the accident has been completed according to a specified form.

Disability is a social in sufficient as a result of health limitation, caused by health deviation with resistant organism disorder, what leads to the social care and assistance necessity.

Care homes for the aged and persons with disabilities (both adults and children) are medical and social institutions providing permanent accommodation to the aged and disabled persons or children with disabilities who require care.

Orphan is a child whose parents have died.

Children deprived of parental care are the children left without parental care in connection with deprivation of their parental rights, deprivation of parents without deprivation of parental rights, recognition of parents missing or incapacitated, declaring them dead, serving a sentence in prison and their detention during the investigation, their search by the National Police for lack of information about their whereabouts, the long-term illness of their parents, which prevents them from fulfilling their parental responsibilities, as well as the children separated from their families, abandoned children whose parents are unknown, children who have been abandoned by their parents, children whose parents do not fulfill their parental responsibilities for reasons that cannot be clarified due to the parents' stay in the temporarily occupied territory of Ukraine, in the areas of the anti-terrorist operation, implementation of measures to ensure national security and defense, repel and deter armed aggression in Russia Federation in Donetsk and Luhansk region, and homeless children.

HEALTH CARE AND SOCIAL PROTECTION

Adoption is when an adoptive person adopts a child into his family as a daughter or a son according to a court's decision.

Tutorship, curatorship are appointed to

orphans or emancipated children. Tutorship is provided to child under 14 years and curatorship – child between the ages of 14 and 18 years.

7.1. Health care institutions, facilities and personnel¹

(source: the Ministry of Health of Ukraine; end of year; thsd.)

	Total medical practitioners (doctors) ²	Total paramedical staff	Total hospitals	Total beds	Total out-patient facilities
1913	8	12	1,4	48	...
1940	36	102	2,5	161	8
1960	86	276	5,0	344	7
1965	111	332	4,9	428	6
1970	131	412	4,7	511	6
1975	157	484	4,1	578	6
1980	183	516	3,8	627	6
1985	211	567	3,8	669	6
1990	227	607	3,9	700	7
1995	230	595	3,9	639	7
2000	226	541	3,3	466	7
2005	224	496	2,9	445	8
2010	225	467	2,8	429	9
2015	186	372	1,8	333	10
2016	187	367	1,7	315	10
2017	186	360	1,7	309	10
2018	186	345	1,7	302	10
2019	185	330	1,6	295	11

¹ Data for 1913 cover Ukraine within the frontiers of the former Ukrainian Soviet Republic before September 17, 1939, whereas for 1940–2019 the data cover the current territory of Ukraine

² Since 2008, excluding dental technicians

HEALTH CARE AND SOCIAL PROTECTION

7.2. Health care indicators

(source: the Ministry of Health of Ukraine; thsd.)

	2000	2005	2010	2015	2016	2017	2018	2019
Total medical practitioners (doctors) ^{1,2}	226	224	225	186	187	186	186	185
Total paramedical staff ²	541	496	467	372	367	360	345	330
Total hospitals ²	3,3	2,9	2,8	1,8	1,7	1,7	1,7	1,6
Total beds ²	466	445	429	333	315	309	302	295
Total out-patient medical institutions ²	7,4	7,8	9,0	10,0	10,2	10,4	10,5	10,6
Capacity of out-patient facilities, visits per shift	973	990	993	912	915	923	926	920

¹ See the second footnote to Table 7.1

² End of year

HEALTH CARE AND SOCIAL PROTECTION

7.3. Physicians of all specialisations¹, by region*(source: the Ministry of Health of Ukraine; end of year; thsd.)*

	2000	2005	2010	2015	2016	2017	2018	2019
Ukraine	226,3	223,8	224,9	186,2	186,8	186,2	185,7	184,7
Autonomous Republic of Crimea	11,1	10,7	10,2	...	...	...	...	...
oblasts								
Vinnnytsya	8,3	8,3	8,1	7,8	7,7	7,7	7,8	7,9
Volyn	4,2	4,1	4,0	3,9	3,9	4,0	3,9	4,0
Dnipropetrovsk	17,5	16,6	16,4	15,3	15,2	15,2	14,9	14,6
Donetsk	22,4	21,6	19,8	5,7	5,9	6,0	6,1	5,9
Zhytomyr	5,4	5,2	5,0	4,8	4,7	4,7	4,7	4,6
Zakarpattya	5,2	5,2	5,2	5,0	5,0	4,9	4,9	4,9
Zaporizhzhya	9,5	8,8	8,6	8,5	8,8	8,5	8,6	8,7
Ivano-Frankivsk	6,6	6,7	8,2	8,4	8,4	8,4	8,3	8,1
Kyiv	6,0	5,8	7,2	7,3	7,4	7,3	7,4	7,4
Kirovohrad	4,0	3,7	3,6	3,5	3,4	3,4	3,3	3,2
Luhansk	10,7	10,3	10,0	2,1	2,1	2,1	2,1	2,1
Lviv	13,9	14,5	15,0	14,0	14,1	13,9	13,6	13,4
Mykolayiv	4,6	4,4	4,4	3,9	3,9	3,9	3,8	3,8
Odesa	11,9	11,2	11,7	11,2	11,2	11,2	11,1	11,3
Poltava	7,8	7,3	7,2	7,0	6,9	6,8	6,9	6,8
Rivne	4,6	4,7	4,8	4,8	4,8	4,8	4,8	4,8
Sumy	4,8	4,5	4,6	4,5	4,5	4,5	4,5	4,4
Ternopil	5,4	5,4	5,6	5,7	5,6	5,5	5,6	5,5
Kharkiv	15,2	15,8	15,9	15,6	15,6	15,5	15,3	15,2
Kherson	4,2	4,1	3,9	3,8	3,8	3,8	3,7	3,7
Khmelnyskiy	5,4	5,5	5,6	5,5	5,5	5,5	5,6	5,6
Cherkasy	5,4	5,1	5,0	4,8	4,8	4,7	4,6	4,6
Chernivtsi	4,4	4,9	5,6	5,4	5,4	5,4	5,3	5,3
Chernihiv	4,6	4,3	4,1	3,8	3,8	3,8	3,7	3,7
cities								
Kyiv	21,3	23,2	23,1	23,9	24,5	24,7	25,2	25,2
Sevastopol	1,9	1,9	2,1	...	...	...	...	...

¹ See the second footnote to Table 7.1

HEALTH CARE AND SOCIAL PROTECTION

7.4. Paramedical personnel, by region*(source: the Ministry of Health of Ukraine; end of year; thsd.)*

	2000	2005	2010	2015	2016	2017	2018	2019
Ukraine	541,0	496,3	466,8	371,7	366,8	360,4	345,4	330,3
Autonomous Republic of Crimea	23,1	21,9	20,1	...	...	...	...	...
oblasts								
Vinnitsya	20,5	18,9	17,6	16,6	15,7	15,3	14,1	13,5
Volyn	11,8	11,3	11,3	10,8	10,6	10,4	10,0	9,4
Dnipropetrovsk	39,3	35,3	32,2	28,8	28,4	28,1	26,4	24,9
Donetsk	55,1	48,4	41,6	13,3	14,8	14,5	14,0	13,3
Zhytomyr	16,5	15,3	14,4	13,4	12,9	12,7	12,0	11,3
Zakarpattia	13,1	12,9	11,5	10,8	10,5	10,4	10,0	9,6
Zaporizhzhya	22,0	19,2	18,1	16,3	16,1	15,5	15,2	14,6
Ivano-Frankivsk	15,5	14,2	15,1	15,0	14,8	14,5	13,7	13,2
Kyiv	18,5	16,3	16,0	15,1	14,9	14,7	14,4	13,5
Kirovohrad	12,9	11,4	10,6	9,6	9,3	9,0	8,7	8,2
Luhansk	26,6	24,8	22,6	5,3	5,4	5,5	5,3	5,1
Lviv	30,5	30,1	28,5	26,4	26,2	25,4	24,3	23,2
Mykolayiv	12,3	11,1	10,1	9,2	8,9	8,7	8,2	7,7
Odesa	24,9	21,8	22,4	20,2	20,1	19,8	19,0	18,5
Poltava	19,4	16,8	15,2	13,9	13,6	13,4	12,8	12,4
Rivne	13,2	13,5	13,3	12,5	12,3	12,1	11,8	11,3
Sumy	14,5	13,0	12,7	11,7	11,5	11,4	10,8	10,0
Ternopil	12,5	12,2	12,1	11,6	11,2	10,8	10,3	9,8
Kharkiv	32,3	28,7	26,4	24,0	23,8	23,3	22,1	20,9
Kherson	12,2	11,3	10,4	9,6	9,1	8,8	8,5	8,1
Khmelnytskyi	14,7	13,8	14,2	13,5	13,0	12,7	12,2	11,7
Cherkasy	16,2	14,6	13,5	12,4	12,0	11,8	11,3	10,8
Chernivtsi	9,4	9,0	9,5	9,2	9,1	8,9	8,4	8,1
Chernihiv	15,1	13,3	12,3	11,0	10,6	10,5	10,1	9,6
cities								
Kyiv	34,6	33,4	31,3	31,5	32,0	32,2	31,8	31,6
Sevastopol	4,3	3,8	3,8	...	...	...	...	...

HEALTH CARE AND SOCIAL PROTECTION

7.5. Hospital beds, by region*(source: the Ministry of Health of Ukraine; end of year; thsd.)*

	2000	2005	2010	2015	2016	2017	2018	2019
Ukraine	466,0	444,9	428,7	332,7	315,1	308,7	301,6	295,1
Autonomous Republic of Crimea	19,3	17,9	17,2	...	...	...	...	...
oblasts								
Vinnysya	16,1	15,6	14,3	11,5	10,9	10,8	10,6	10,3
Volyn	8,9	8,6	8,6	8,3	7,6	7,3	7,2	7,0
Dnipropetrovsk	40,3	37,5	35,3	29,0	28,5	28,3	27,9	26,7
Donetsk	44,3	41,7	38,5	12,9	13,0	12,8	12,7	12,5
Zhytomyr	11,4	10,8	10,2	9,8	8,6	8,5	8,1	8,0
Zakarpattia	10,8	10,2	10,0	8,8	8,7	8,5	8,3	8,2
Zaporizhzhya	20,8	18,3	16,7	15,6	14,8	14,4	14,2	13,8
Ivano-Frankivsk	12,8	12,7	12,5	11,2	10,8	10,5	10,2	9,9
Kyiv	15,5	14,3	15,0	13,6	12,8	12,7	12,5	12,3
Kirovohrad	11,0	10,3	9,8	8,7	8,1	8,1	8,0	8,3
Luhansk	25,8	25,7	24,1	7,2	6,4	6,4	6,2	6,2
Lviv	25,8	24,8	24,7	22,7	21,7	20,8	19,6	18,9
Mykolayiv	11,1	10,6	10,2	9,8	8,6	8,1	7,9	7,3
Odesa	22,7	21,8	22,4	19,7	18,8	18,5	17,9	17,6
Poltava	14,4	13,8	13,4	12,3	11,3	11,1	11,0	10,4
Rivne	10,3	10,5	10,5	9,6	8,7	8,6	8,5	8,4
Sumy	11,9	11,4	11,2	9,8	9,4	9,0	8,7	8,2
Ternopil	10,7	10,1	9,9	9,4	8,9	8,7	8,7	8,3
Kharkiv	29,0	27,8	25,2	24,0	23,1	22,4	22,3	21,8
Kherson	11,2	11,8	11,1	9,7	8,1	8,0	7,8	8,6
Khmelnyskiy	13,2	12,2	12,3	11,1	10,2	10,0	9,9	9,6
Cherkasy	12,9	12,1	11,5	10,4	9,9	9,8	9,7	9,5
Chernivtsi	8,2	8,3	8,1	7,2	6,8	6,6	6,5	6,6
Chernihiv	14,2	13,0	12,6	11,1	10,1	9,4	9,2	8,9
cities								
Kyiv	30,3	30,1	30,0	29,3	29,3	29,4	28,0	27,8
Sevastopol	3,1	3,0	3,4	...	...	...	...	...

HEALTH CARE AND SOCIAL PROTECTION

7.6. Planned capacity of out-patient and polyclinic institutions, by region*(source: the Ministry of Health of Ukraine; thsd. visitors per shift)*

	2000	2005	2010	2015	2016	2017	2018	2019
Ukraine	973,0	989,9	992,8	912,3	914,6	922,9	926,5	920,4
Autonomous Republic of Crimea	35,1	34,9	34,3	...	...	...	...	...
oblasts								
Vinnitsya	25,3	25,8	26,1	34,8	35,6	33,6	33,3	33,3
Volyn	17,9	18,0	18,3	18,6	18,7	18,7	19,1	19,2
Dnipropetrovsk	93,7	93,2	90,9	95,6	94,6	94,5	92,8	85,0
Donetsk	86,4	94,0	85,3	36,3	36,5	36,3	36,9	37,3
Zhytomyr	32,5	32,3	32,1	32,6	32,3	32,4	32,2	32,6
Zakarpattya	24,2	24,8	27,6	29,8	29,7	30,1	30,8	31,1
Zaporizhzhya	36,4	37,1	37,0	40,1	40,1	39,3	39,1	38,1
Ivano-Frankivsk	20,5	20,6	23,2	27,2	27,3	27,9	28,4	28,6
Kyiv	35,1	34,3	36,0	39,7	39,2	38,7	39,8	40,0
Kirovohrad	27,2	27,0	28,8	28,9	28,7	28,7	28,2	28,6
Luhansk	53,9	53,4	48,9	18,5	18,3	18,4	18,2	18,6
Lviv	47,3	48,0	48,9	50,0	51,2	51,6	50,9	50,9
Mykolayiv	23,3	22,3	23,1	25,4	26,8	25,4	25,4	24,9
Odesa	48,3	50,9	49,0	49,0	50,3	50,3	50,1	50,7
Poltava	37,2	38,1	38,5	37,0	37,0	37,8	37,4	38,9
Rivne	22,7	23,7	24,5	28,8	24,6	24,4	25,7	26,6
Sumy	26,9	27,5	27,5	26,9	26,7	26,8	28,6	28,4
Ternopil	19,8	20,2	21,2	21,7	21,7	21,7	21,7	21,8
Kharkiv	57,2	60,9	62,4	67,1	69,2	77,0	76,5	76,6
Kherson	21,0	21,4	21,5	21,4	22,3	24,6	24,6	24,6
Khmelnyskiy	25,8	25,2	25,4	26,2	26,4	26,5	26,2	26,2
Cherkasy	27,4	27,6	29,8	30,4	31,1	31,0	31,8	31,2
Chernivtsi	15,1	15,9	17,0	17,4	17,5	17,7	17,6	18,0
Chernihiv	24,1	23,8	24,3	25,2	25,0	25,1	25,1	25,1
cities								
Kyiv	81,1	81,6	83,3	83,7	83,8	84,4	86,1	84,1
Sevastopol	7,6	7,4	7,9

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7.7. Incidence of selected infectious diseases*(source: the Ministry of Health of Ukraine)*

	2000	2005	2010	2015	2016	2017	2018	2019
Total cases								
Acute intestinal diseases, thsd.	102,5	83,2	87,5	95,7	97,3	112,1	96,8	86,9
Typhoid fever and paratyphus A, B and C	103	90	8	4	4	7	7	2
Infections caused by salmonella, thsd.	8,0	7,5	9,8	8,3	8,9	7,3	7,7	8,6
Virus hepatitis, thsd.	38,6	26,9	12,2	12,4	12,7	12,4	12,0	12,6
Flu and acute infections of respiratory organs, mln.	9,8	8,5	8,6	6,6	7,8	6,5	6,6	6,0
Scarlet fever, thsd.	16,1	10,3	14,4	8,0	6,7	8,8	10,5	14,5
Diphtheria	365	98	17	2	4	—	10	21
Whooping cough, thsd.	2,2	1,5	1,1	2,4	3,1	2,5	2,2	2,3
Tetanus	36	16	13	12	10	17	19	15
Acute poliomyelitis	6	1	—	—	—	—	—	—
Measles, thsd.	0,8	2,4	0,0	0,1	0,1	4,7	53,2	57,3

7.8. HIV infections and number of persons registered as HIV positive¹*(source: the Ministry of Health of Ukraine; thsd.)*

	HIV infected persons						Of which positive persons					
	2000	2005	2010	2015	2018	2019	2000	2005	2010	2015	2018	2019
Total newly registered HIV infected persons	6,3	13,8	20,5	15,9	18,1	18,5	0,7	4,2	5,9	8,5	8,8	7,5
Total patients registered at medical institutions, end of year	30,7	62,9	110,5	126,8	142,3	140,6	0,9	5,1	14,0	34,1	46,4	47,4

¹ Including foreign citizens

At the end of 2019, 53,7% of HIV infected and registered as HIV positive persons were males and 30,0% were those infected through drug injections.

HEALTH CARE AND SOCIAL PROTECTION

7.9. HIV infected and HIV positive, by region¹*(source: the Ministry of Health of Ukraine; total newly registered)*

	HIV infected persons					Including HIV infected persons – positive persons				
	2000	2005	2010	2018	2019	2000	2005	2010	2018	2019
Ukraine	6307	13786	20521	18137	18473	653	4220	5871	8852	7518
Autonomous Republic of Crimea	412	896	1086	...	...	92	235	182	...	...
oblasts										
Vinnitsya	101	248	359	339	368	8	82	180	190	222
Volyn	96	158	214	258	197	3	26	99	129	133
Dnipropetrovsk	920	2045	3259	3456	3966	17	778	1116	1713	1444
Donetsk	1503	2997	4031	1603	1692	73	1343	1226	994	930
Zhytomyr	59	225	463	472	448	7	68	133	233	198
Zakarpattia	17	36	62	132	112	1	9	3	78	46
Zaporizhzhya	144	406	558	699	616	18	102	195	301	213
Ivano-Frankivsk	18	74	170	176	161	4	8	41	53	34
Kyiv	63	333	753	932	876	3	95	192	380	362
Kirovohrad	45	173	302	502	649	1	13	75	200	227
Luhansk	153	525	746	215	206	5	67	295	117	94
Lviv	89	209	479	519	476	5	43	153	300	249
Mykolayiv	453	802	1107	858	774	75	288	82	365	294
Odesa	977	1349	2143	2597	2614	275	442	461	1772	1406
Poltava	121	303	413	411	400	—	80	183	143	84
Rivne	22	82	244	265	189	4	9	23	101	83
Sumy	36	92	217	230	200	3	21	67	107	92
Ternopil	60	65	105	91	98	—	14	39	42	37
Kharkiv	153	401	527	661	670	8	42	126	267	245
Kherson	195	327	560	508	660	18	61	133	216	194
Khmelnyskiy	110	241	297	270	253	1	48	105	169	149
Cherkasy	151	300	471	514	535	3	94	173	210	186
Chernivtsi	25	62	102	94	100	9	23	18	46	40
Chernihiv	84	236	507	493	509	1	27	115	183	144
cities										
Kyiv	217	1023	1088	1842	1704	15	73	371	543	412
Sevastopol	83	178	258	4	129	85

¹ See the footnote to Table 7.8

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7.10. Incidence of malignant tumours*(source: the Ministry of Health of Ukraine; thsd.)*

	2000	2005	2010	2015	2016	2017	2018	2019
Total newly registered	156,6	157,5	156,2	134,1	134,3	135,5	135,6	136,1
Total patients registered at medical institutions, end of year	768,3	864,3	988,6	961,8	985,4	1010,9	...	...

7.11. Incidence of malignant tumours in 2019, by location*(source: the Ministry of Health of Ukraine; persons)*

	Total	Including	
		males	females
Total newly registered	136104	64718	71386
including malignant tumour			
lips, mouth and throat	4985	4033	952
oesophagus	1598	1404	194
stomach	7384	4377	3007
rectum	7439	4027	3412
larynx	1827	1742	85
trachea, bronchi, lungs	12644	10093	2551
skin	19269	7952	11317
mammary glands	14394	134	14260
womb	10758	×	10758
kidney	4793	2734	2059
urine bladder	4362	3554	808
thyroid gland	3134	591	2543
lymphatic and hemogenic tissue	6917	3454	3463

7.12. Incidence of active tuberculosis*(source: the Ministry of Health of Ukraine; thsd.)*

	2000	2005	2010	2015	2016	2017	2018	2019
Total newly registered	29,8	39,6	31,3	23,9	23,3	22,0	21,3	20,6 ¹
including active form of tuberculosis of respiratory organs	27,9	37,8	29,5	22,7	22,1	20,9	20,2	19,5
Total patients registered at medical institutions, end of year	122,9	103,2	78,6	36,2	35,0	32,5	...	...

¹ Among the persons newly registered as sick of active form of tuberculosis in 2019, 68,5% were males, and 94,3% were sick of respiratory tuberculosis

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7.13. Incidence of active tuberculosis, by region*(source: the Ministry of Health of Ukraine; total newly registered; persons)*

	2000	2005	2010	2015	2016	2017	2018	2019
Ukraine	29753	39608	31295	23896	23292	21995	21314	20643
Autonomous Republic of Crimea	1190	1743	1639	...	...	...	...	...
oblasts								
Vinnnytsya	999	1199	925	758	769	620	642	692
Volyn	611	714	580	653	620	601	546	519
Dnipropetrovsk	2329	2841	3140	2566	2105	2081	1971	2048
Donetsk	3364	4816	3570	1086	1172	1154	1148	1071
Zhytomyr	932	1295	978	830	780	766	743	707
Zakarpattya	616	737	744	749	765	743	751	760
Zaporizhzhya	1303	1736	1219	1085	1066	1022	1057	929
Ivano-Frankivsk	837	1101	911	845	718	705	647	581
Kyiv	989	1244	988	1194	1280	1159	1112	1083
Kirovohrad	736	1184	823	747	648	674	624	639
Luhansk	1997	2784	1904	316	370	340	406	345
Lviv	1748	2023	1678	1509	1557	1356	1304	1261
Mykolayiv	941	1365	1076	803	777	686	656	619
Odesa	1720	2292	1842	2446	2594	2561	2732	2680
Poltava	830	879	789	789	799	749	683	577
Rivne	776	940	679	636	611	506	485	480
Sumy	724	724	597	623	615	603	602	538
Ternopil	509	756	594	409	475	394	349	361
Kharkiv	1593	2563	1592	1182	1163	1141	1066	1069
Kherson	1122	1978	1167	875	799	770	683	631
Khmelnyskiy	786	887	707	724	690	612	592	579
Cherkasy	730	931	769	716	654	617	562	542
Chernivtsi	428	512	443	364	273	289	250	313
Chernihiv	792	901	749	677	656	602	582	468
cities								
Kyiv	956	1228	950	1314	1336	1244	1121	1151
Sevastopol	195	235	242

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7.14. Incidence of venereal disease*(source: the Ministry of Health of Ukraine; thsd.)*

	2000	2005	2010	2015	2016	2017	2018	2019
Total newly registered								
Syphilis	45,2	19,8	7,5	3,2	3,2	2,8	2,5	2,5
Gonorrhoea	26,1	18,2	10,1	5,7	5,3	4,8	4,1	3,3
Total sick of syphilis registered at medical institutions, end of year	168,1	96,2	54,9	26,3	23,6	22,2	...	...

7.15. Abortions*(source: the Ministry of Health of Ukraine; thsd.)*

	2000	2005	2010	2015	2016	2017	2018	2019
Total abortions ¹	434	264	177	106	101	95	87	80

¹ Includes mini abortions conducted by applying vacuum aspiration during the first weeks of pregnancy**7.16. Industrial injuries**

	2000	2005	2010	2015	2016	2017	2018	2019 ¹
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Thsd.

Number of accident victims (acute occupational diseases (poisonings/ accidents) that resulted in loss of labour capacity for one or more days and fatal accidents victims, persons	34,3	21,2	12,2	4,4	4,4	4,4	4,0	4,4 ²
including fatal accidents	1,2	1,0	0,6	0,3	0,4	0,3	0,3	0,4

The duration of temporary incapacity for work of accident victims that ended in the reference year, working days	...	769	492	212	222	224	215	230
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Per 1000 employees

Number of accident victims (acute occupational diseases (poisonings/ accidents) that resulted in loss of labour capacity for one or more days and fatal accidents victims, persons	2,6	1,8	1,2	0,6	0,6	0,6	0,5	0,6
including fatal accidents	0,095	0,084	0,056	0,040	0,045	0,038	0,036	0,055
Total days of disability	...	65,7	47,4	26,3	28,3	31,7	28,0	30,9

Per 1 injured

Total person of disability	...	36,3	40,2	47,7	50,2	55,4	53,2	52,3
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¹ Source: the Social Insurance Fund of Ukraine² Therefore, 56 of the injured were transferred to easier job

HEALTH CARE AND SOCIAL PROTECTION

7.17. Number of persons with disabilities, by region¹*(as of January 1, 2020)*

	Total	Including			
		1 st group	2 nd group	3 rd group	children with disabilities
Ukraine	2703006	222324	900774	1416022	163886
Autonomous Republic of Crimea	...	...	...	...	...
oblasts					
Vinnnytsya	124234	11045	32826	73413	6950
Volyn	83352	8831	27126	41768	5627
Dnipropetrovsk	174453	13613	47573	100084	13183
Donetsk	160749	12415	45035	96215	7084
Zhytomyr	111770	10843	42731	52105	6091
Zakarpattia	76354	5994	20323	42958	7079
Zaporizhzhya	108545	9421	33141	58941	7042
Ivano-Frankivsk	106181	8777	32464	58749	6191
Kyiv	127166	10222	53986	54476	8482
Kirovohrad	58748	4534	16270	34075	3869
Luhansk	49475	4123	16685	26434	2233
Lviv	211067	17120	51095	131510	11342
Mykolayiv	66945	5860	17664	38351	5070
Odesa	158213	13081	73950	62554	8628
Poltava	98987	7523	37871	48161	5432
Rivne	73695	5751	19235	42044	6665
Sumy	60932	5950	18276	32827	3879
Ternopil	70321	5854	18790	40832	4845
Kharkiv	163696	10863	61037	82442	9354
Kherson	51689	4131	13899	29604	4055
Khmelnyskiy	144118	9788	48305	80178	5847
Cherkasy	125959	9771	58446	53139	4603
Chernivtsi	56460	4846	14609	32507	4498
Chernihiv	79142	8649	25160	40916	4417
cities					
Kyiv	160755	13319	74277	61739	11420
Sevastopol	...	...	...	...	...

¹ Source: the Ministry of Social Policy of Ukraine, the Ministry of Health of Ukraine and Pension Fund of Ukraine. Regardless of type of pension received by the persons with disabilities

HEALTH CARE AND SOCIAL PROTECTION

7.18. Number of newly recognized persons with disabilities by class of diseases in 2019*(source: the Ministry of Health of Ukraine)*

	Thsd.		Percent	
	total ¹	including of working age	total ¹	including of working age
Total	136,3	109,8	100,0	100,0
due to the following diseases				
infectious and parasitic diseases	5,7	5,6	4,2	5,1
Neoplasm	31,8	23,5	23,3	21,4
blood and hemogenic organs and selected disorders involving the immunity	0,2	0,2	0,2	0,2
endocrine system, nutrition and metabolic disorders	6,7	5,4	4,9	4,9
psychological and behavioural disorders	6,6	5,8	4,9	5,3
nervous system	6,5	5,8	4,8	5,3
eyes and eye adventive organ	4,0	3,1	3,0	2,8
ears and mammillary appendix	0,7	0,7	0,5	0,6
blood circulation	31,4	22,6	23,0	20,6
respiratory organs	2,4	2,2	1,8	2,0
digestion organs	3,5	3,2	2,6	3,0
urogenital system	1,8	1,4	1,3	1,3
bony and muscle systems and connective tissue	18,8	15,7	13,8	14,3
traumas, poisoning and consequences of other external reasons	12,5	11,4	9,2	10,3
other reasons	3,4	3,2	2,5	2,9

¹ Population aged 18 and older

Of total number of the injured, 2,6 thsd. persons were recognised disabled due to a work related injury or an occupational disease, of whom 2,3 thsd. persons (88,1%) were of working age.

HEALTH CARE AND SOCIAL PROTECTION

7.19. Number of newly recognized persons with disabilities by region*(source: the Ministry of Health of Ukraine; population aged 18 and older)*

	Total, thsd.				Including in rural area			
	2010	2015	2018	2019	2010	2015	2018	2019
Ukraine	173,5	138,2	138,8	136,3	54,0	47,9	49,7	49,2
Autonomous Republic of Crimea	7,2	...	...		2,3	...	...
oblasts								
Vinnitsya	7,2	7,0	7,0	6,5	3,4	3,2	3,3	3,0
Volyn	3,7	3,8	3,3	3,3	1,6	1,8	1,5	1,6
Dnipropetrovsk	11,7	11,0	10,4	10,5	1,7	1,8	1,7	1,7
Donetsk	16,7	6,7	7,3	7,0	1,5	1,0	1,4	1,3
Zhytomyr	5,2	4,6	5,2	4,9	2,2	1,9	2,0	2,1
Zakarpattya	4,3	3,9	3,9	3,9	3,0	2,7	2,7	2,7
Zaporizhzhya	7,2	6,9	7,6	7,3	1,4	1,4	1,6	1,4
Ivano-Frankivsk	4,5	4,8	4,8	4,8	2,4	2,6	2,7	2,7
Kyiv	6,4	6,4	6,6	6,6	2,4	2,5	2,6	2,7
Kirovohrad	3,7	3,7	3,4	3,2	1,5	1,4	1,6	1,5
Luhansk	8,8	2,1	2,1	1,9	1,4	0,7	0,6	0,6
Lviv	10,9	11,2	11,4	11,4	4,5	4,8	5,2	5,0
Mykolayiv	5,0	4,2	4,0	3,6	1,6	1,4	1,2	1,2
Odesa	9,4	7,9	8,4	8,3	3,7	3,2	3,9	3,9
Poltava	5,9	5,7	6,3	6,6	2,4	2,3	2,6	2,8
Rivne	4,3	3,7	3,8	3,6	2,2	2,1	2,2	2,1
Sumy	3,8	3,5	3,5	3,2	1,0	1,0	1,1	0,9
Ternopil	4,0	3,9	3,8	4,3	2,2	2,3	2,3	2,6
Kharkiv	8,8	8,5	8,7	8,3	1,5	1,8	1,7	1,6
Kherson	3,7	3,4	3,1	3,1	1,3	1,1	1,1	1,1
Khmelnyskiy	5,5	4,4	4,4	4,5	2,7	1,9	1,9	1,9
Cherkasy	5,7	4,1	3,8	3,8	2,1	1,6	1,5	1,5
Chernivtsi	3,2	3,2	3,1	3,0	2,0	1,9	1,9	1,9
Chernihiv	5,1	4,1	3,9	3,9	1,9	1,5	1,4	1,4
cities								
Kyiv	9,6	9,5	9,0	8,8	×	×	×	×
Sevastopol	2,0	...	...	...	0,1	...	...	...

**7.20. Care homes for the aged persons and persons with disabilities
(adults, children and the youth)***(source: the Ministry of Social Policy of Ukraine; end of year)*

	2000	2005	2010	2015	2016	2017	2018	2019
Total care homes	275	319	323	290	289	286	284	282
including beds, thsd.	53,0	57,1	58,4	50,1	49,9	49,5	49,2	49,2
of which								
for the aged persons and adult persons with disabilities	43,8	48,3	50,3	43,2	43,1	43,0	43,4	43,7
for children and the youth with disabilities	9,2	8,8	8,1	6,8	6,8	6,5	5,8	5,5

In 2019, 667 territory centres of social services (provision of social services) provided household, and medical and social services to persons who were in difficult life circumstances while staying at these inpatient, temporary residence and full-day territorial centres of social services, and at their homes and serviced 1138,1 thsd. persons.

HEALTH CARE AND SOCIAL PROTECTION

**7.21. Care homes for the aged persons and persons with disabilities
(adults, children and the youth), by region***(source: the Ministry of Social Policy of Ukraine)*

	Total care homes					In which beds				
	2000	2005	2015	2018	2019	2000	2005	2015	2018	2019
Ukraine	275	319	290	284	282	52997	57124	50081	49218	49201
Autonomous Republic of Crimea	10	10	...	...	...	1802	1932	...	...	...
oblasts										
Vinnitsya	10	10	10	9	9	2041	2041	2041	1954	1961
Volyn	6	6	6	6	6	915	915	835	835	835
Dnipropetrovsk	18	18	18	18	18	3720	3716	3907	3882	3994
Donetsk	17	19	10	10	10	5185	5914	3101	2838	2707
Zhytomyr	12	15	15	15	15	2249	2644	2617	2588	2579
Zakarpattia	7	7	7	7	7	1396	1422	1317	1342	1312
Zaporizhzhya	11	11	12	11	10	2240	2390	2777	2749	2766
Ivano-Frankivsk	8	8	9	8	8	1325	1325	1265	1219	1254
Kyiv	9	12	11	11	11	1699	1982	2055	2006	2009
Kirovohrad	12	12	12	12	12	1590	1885	1905	1893	1896
Luhansk	14	19	10	10	10	2616	3268	1298	1295	1299
Lviv	13	13	13	13	13	1650	1748	1757	1783	1778
Mykolayiv	10	10	10	10	10	1417	1542	1553	1553	1553
Odesa	10	10	10	10	10	2149	2140	1988	2001	2002
Poltava	14	14	14	14	14	2600	2675	2350	2305	2305
Rivne	7	7	7	7	7	1165	1151	1210	1210	1225
Sumy	13	13	13	13	12	1957	2011	1915	1915	1915
Ternopil	7	7	7	7	7	1276	1276	1046	881	878
Kharkiv	16	18	18	18	18	3675	3660	3352	3245	3191
Kherson	6	11	11	10	10	1443	1650	1571	1541	1550
Khmelnytskyi	7	31	29	27	27	1095	2027	2025	2025	2025
Cherkasy	14	14	14	14	14	2205	2225	2326	2320	2317
Chernivtsi	7	7	7	7	7	935	871	1145	1150	1150
Chernihiv	9	9	9	9	9	1975	2028	2018	1981	1993
cities										
Kyiv	7	7	8	8	8	2507	2507	2707	2707	2707
Sevastopol	1	1	...	...	...	170	179	...	...	...

HEALTH CARE AND SOCIAL PROTECTION

7.22. Cash benefits to low-income persons incapable of working*(source: by Pension Fund of Ukraine; as of January 1, 2020)*

	Total, thsd. persons	Including in rural areas	Average amount of monthly benefit per person, UAH
Total	336,4	147,9	43,64
of which pensioners			
due to disability	30,6	12,6	51,71
survivors who lost their benefactor	0,3	0,1	49,22
those receiving social pension	67,6	35,4	40,64
Out of the total number to lonely pensioners	3,7	1,5	54,94

7.23. Provision of targeted in-kind and monetary aid by entity rendering social services in 2019*(source: the Ministry of Social Policy of Ukraine)*

	Total, thsd. persons	Including the number of women	Of which those residing in rural areas	Aid provided, thsd. persons		Average size of aid per person, UAH	
				cash	in-kind	cash	in-kind
Persons who were identified and registered and required assistance	528,8	379,3	255,6	98,2	403,0	2673,8	293,6
of which							
old-age persons, with disables, patients who have no relations	320,0	240,3	151,9	61,3	274,9	631,2	316,5
persons who enjoy special conditions of free service	58,3	39,7	27,8	12,6	38,1	2232,3	232,9
persons who are in complicated real-life situation due to unemployment, natural disaster, catastrophe if average monthly total income of their families is lower than subsistence level for family	32,7	22,3	16,4	13,0	19,8	1391,6	286,8
internally displaced persons	5,7	4,3	1,5	0,4	5,2	2787,9	352,6
family members of the ATO participants	4,2	1,5	2,4	1,7	2,3	5515,1	427,5

Low-income persons, who are in complicated real-life situation, also received in-kind aid as foodstuffs and manufactured goods, cooked meals, medicines, items for medical purposes and other types of aid.

HEALTH CARE AND SOCIAL PROTECTION

7.24. Selected boarding schools and institutions for social protection of children¹*(end of year)*

	2000	2005	2010	2015	2016	2017	2018	2019
Boarding schools for orphans and children deprived of parents' guardianship ²								
institutions	44	54	77	23	11	9	9	8
enrolment ³	12254	11954	10135	2078	894	754	484	480
Children's homes								
institutions	83	109	113	42	37	34	30	27
of which by system the Ministry of Education and Science	82	105	110	40	35	32	28	25
enrollment ³	5552	6434	4771	1490	1468	1442	1238	1070
of which by system the Ministry of Education and Science of Ukraine	5535	6341	4686	1444	1403	1372	1187	1010
Homes of the child under the Ministry of Health of Ukraine								
institutions	47	50	48	40	41	40	39	39
enrollment ³	4992	5267	3666	2415	2621	2675	2764	2699
Children care homes under the Ministry of Social Policy of Ukraine								
institutions	58	56	55	49	49	48	42	40
enrollment ³	7977	7475	6879	5861	5805	5692	5074	4706
Shelters for minors								
institutions	86	96	88	10	8	8	7	5
children ^{3,4}	27773	23674	11978	1123	1056	1122	906	755

¹ Source: Ministry of Education and Science of Ukraine, Ministry of Social Policy of Ukraine, Ministry of Health of Ukraine² Since 2009, including special boarding schools and children in them³ The total number of children in facilities apart from orphans and children who are deprived from parental care, includes also children that have parents⁴ Were during the reporting year

At the end of 2019, 7874 children resided at 1153 family type children's homes, 6184 children in 3346 foster homes, and 7565 children in 74 centres of social and psychological rehabilitation.

HEALTH CARE AND SOCIAL PROTECTION

7.25. Adopted orphans and children deprived of parents' guardianship*(source: the Ministry of Social Policy of Ukraine)*

	2000	2005	2010	2015	2016	2017	2018	2019
Quantity of adopted children during the year	7692	5241	4865	3212	2963	2925	2757	2878
Ukrainian citizens, total	5492	3085	3616	2808	2552	2589	2379	2491
from orphans and children deprived of parental guardianship	2043	1419	2247	1489	1490	1518	1358	1435
from children living with one of the parents and adopted either by step-father or step-mother	3449	1666	1369	1319	1062	1071	1021	1056
Adopted by foreigners, total	2200	2156	1249	404	411	336	378	387
from orphans and children deprived of parental guardianship	2200	2110	1202	379	394	323	372	375
from children living with one of the parents and adopted either by step-father or step-mother	...	46	47	25	17	13	6	12
Orphans and children deprived of parental guardianship by the end of year, total	...	97829	98119	73183	71178	70241	69352	68877

HEALTH CARE AND SOCIAL PROTECTION

7.26. Children who were in centres of social and psychological rehabilitation and shelter-care facilities for children*(source: the Ministry of Social Policy of Ukraine)*

	Children who were in centres of social and psychological rehabilitation			Children who were in shelter-care facilities		
	2010	2015	2019	2010	2015	2019
Total	3426	7880	7565	11978	1123	755
town-dwellers	1902	4366	4187	6591	619	318
rural dwellers	1524	3514	3378	5387	504	437
boys	1943	4152	3899	6939	610	408
girls	1483	3728	3666	5039	513	347
Have complete family	993	1991	1952	2995	231	195
Have incomplete family	1629	4196	4015	7598	737	436
Children from families where parents evade their responsibilities	528	3265	3652	x	x	x
Orphans and children deprived of parents guardianship						
those at boarding schools, children's houses, professional vocational and technical) educational institutions	343	119	88	758	66	32
those sent to centres to settle their affairs	390	975	932	x	x	x
those who live in family-type children's homes	x	x	x	59	10	24
those who live in tutors' family or with curators	71	567	490	568	79	68
Those in centres or shelter-care facilities due to ¹						
difficult life circumstances	2683	5798	5319	x	x	x
absence of family environment	308	1777	1913	x	x	x
transition from shelter-care facilities for children	428	228	198	x	x	x
cruel behaviour	7	77	135	x	x	x
physical abuse	x	x	x	75	15	11
mental violence	x	x	x	9	—	2
sexual violence	x	x	x	2	1	1
child's individual application	2031	304	150	905	103	34
withdrawal from family	x	x	x	5715	526	394
find on to street	x	x	x	435	15	26
involvement into the worst labour, sexual violence and as victims of human trafficking	x	x	x	8	—	1
leaving family without permission	x	x	x	3762	334	247
leaving boarding school without permission	x	x	x	661	54	15
transferring from other shelters	x	x	x	225	66	14
delivering from accepting and distribution center	x	x	x	65	2	—
delivering from health care institution	x	x	x	190	22	24
returning from prison	x	x	x	20	1	1
economic violence	x	x	x	31	5	—
Got into shelter-care facilities several times	x	x	x	701	63	54

¹ A child who had several reasons to be placed to centre or shelter-care facility has been recorded the relevant number of times

HEALTH CARE AND SOCIAL PROTECTION

7.27. Subsidies to the population in 2019, by region

	Subsidies to compensate for expenses for housing and utility services		Subsidies in cash for purchasing the liquefied gas, solid and liquid furnace household fuel	
	the number of households to whom the subsidies were allocated, thsd.	total subsidies accrued, thsd. UAH	the number of households to whom the subsidies were allocated, thsd.	total subsidies accrued, thsd. UAH
Ukraine	5487,9	2114660,8	439,2	1366036,8
Autonomous Republic of Crimea	...	...	...	...
oblasts				
Vinnysya	303,0	116218,7	46,8	137548,4
Volyn	176,6	79811,5	18,6	61310,7
Dnipropetrovsk	252,5	86571,2	7,8	24108,0
Donetsk	415,6	151534,4	17,2	51774,5
Zhytomyr	156,8	52287,1	36,6	109318,6
Zakarpattya	72,9	24832,1	15,5	51465,5
Zaporizhzhya	320,8	117098,0	17,0	52486,2
Ivano-Frankivsk	180,7	84422,0	13,6	44504,8
Kyiv	140,3	53454,0	6,7	21368,4
Kirovohrad	209,1	70233,4	28,9	90641,1
Luhansk	170,6	59351,7	3,9	11943,0
Lviv	141,9	83136,1	10,9	38290,6
Mykolayiv	111,0	36214,8	15,3	48749,2
Odesa	208,9	57837,9	32,2	101331,7
Poltava	403,5	128617,4	6,2	18456,3
Rivne	138,3	75142,0	20,8	69245,7
Sumy	207,1	52143,1	16,2	47282,0
Ternopil	115,1	82450,5	8,7	28432,7
Kharkiv	464,7	221118,1	11,6	33814,3
Kherson	146,9	42007,6	24,5	81623,6
Khmelnyskiy	215,5	88108,0	18,1	50931,3
Cherkasy	251,3	74880,2	21,1	61323,8
Chernivtsi	110,9	34972,9	14,7	51098,1
Chernihiv	305,5	111143,0	26,3	78874,6
cities				
Kyiv	268,4	131075,1	0,0	113,7
Sevastopol	...	...	...	...

8. CULTURE, LEISURE, SPORT AND TOURISM

The section reports statistics on cultural institutions, and publication of printed editions. It also shows statistics on sanatoria and health resorts, leisure and sport and tourism facilities in Ukraine.

Cultural institutions comprise theatres, philharmonic societies, cinemas, publishing houses, museums, libraries, club institutions, circuses, parks for recreation and leisure, art schools (elementary specialised art educational institutions).

Cinemas are institutions for public viewing of films (cinemas, urban and rural film projectors, video halls and video units).

Collective accommodation facilities are accommodation facilities where one can stay overnight in a room or other premise with the total number of beds equaling to 10 and more. The collective accommodation facilities include hotels and similar accommodation facilities (hotels, motels), accommodation facilities for the leave period or other temporary residence (hostels, rest homes, boarding houses, recreation facilities, tourist camps, mountain skiing huts), camping sites and parking facilities for recreational vehicles, trailers and other accommodation facilities (dormitory accommodations for visitors, other places for temporary accommodation).

Child care centers for health improvement and recreation are permanently or temporarily active centers specially organised or adapted to be intended for rehabilitation, recreation, child development; they have a special location, logistics, staff and equipment allowing to provide the services necessary for health improvement and recreation of children. Child sanatoriums, child centers and countryside centers for health improvement and recreation are the child health improvement institutions. Day care camps, child care centers and tent camps are part of child recreation facilities.

Sports school is a component of system for physical training and sports that gives knowledge, shapes and secures individual's needs in creative self-actualisation of sporting capabilities and skills of children and the young in order to train sportsmen of high qualification.

Tour operators are legal persons whose exclusive activity is the organization and creation of tourism product, sale and provision of tourism services as well as intermediate activity and provision of specific and related services and who obtained license for tour operator activities according to the established procedure.

Travel agents are legal persons and natural persons-entrepreneurs who carry out intermediate activity related to the sale of tourism product of tour operators and tourism services of other entities dealing with tourism activity as well as intermediate activity regarding the sale of specific and related services.

Tourism is activity of visitors who travel to the main destination outside their usual environs (provided that the duration of such a trip is less than a year) with any main purpose (business trip, recreation or other personal purpose) apart from wage work at resident entity in the country or place of visiting.

Tourist is a visitor (domestic, inbound or outbound) whose trip includes overnight stop.

Outbound tourism is activity of resident visitors outside the relevant country during outbound tourist trip.

Inbound tourism is activity of resident visitors inside the relevant country during inbound tourist trip.

Domestic tourism is an activity of resident visitors within the limits of appropriate country during domestic tourist trip or part of outbound tourist trip.

CULTURE, LEISURE, SPORT AND TOURISM

8.1. Cultural institutions in 1913–2019

	Theatres	Museums	Libraries ¹	Cinemas ¹	Club-houses ¹
1913	47	36	3153	265 ²	...
1940	140	174	22297	5822	25030
1950	81	137	34915	7188	28733
1955	79	120	35079	9645	28468
1960	68	132	32645	19668	28486
1965	61	131	29238	26271	26021
1970	66	147	27611	28816	25861
1975	77	154	26884	27797	25915
1980	84	167	26233	27690	26104
1985	89	174	25978	28305	25772
1990	125	214	25644	27211	25146
1995	136	314	23816	16100	22954
2000	131	378	20722	6877	20408
2005	135	437	19821	3330	19149
2010	140	546	19487	2196	18593
2015	113	564	17272	1118	17195
2016	112	576	17000	...	17133
2017	112	574	16824	...	17090
2018	...	...	16601	...	17017
2019	...	...	16176	...	16348

¹ Source: the Ministry of Culture and Information Policy of Ukraine

² At the end of 1914

CULTURE, LEISURE, SPORT AND TOURISM

8.2. Libraries, cinemas and club-houses

(source: the Ministry of Culture and Information Policy of Ukraine)

	Total						Including in rural areas					
	2000	2005	2010	2015	2018	2019	2000	2005	2010	2015	2018	2019
Total libraries, thsd.	20,7	19,8	19,5	17,3	16,6	16,2	15,7	15,1	14,9	13,7	13,3	13,2
Library stocks, mln. copies	343	330	326	266	239	230	151	146	138	116	104	99
Cinemas, thsd.	6,9	3,3	2,2	1,1	...	...	5,9	2,5	1,6	0,7	...	...
Number of spectators at film shows, mln.	6	10	9	11	...	...	2	1	0,4	0,1	...	...
Club-houses, thsd.	20,4	19,1	18,6	17,2	17,0	16,3	17,7	16,8	16,5	15,6	15,4	15,1
total seats, mln.	5,4	5,0	4,7	4,3	4,2	3,7	4,3	4,0	3,9	3,6	3,5	...

8.3. Art schools

(source: the Ministry of Culture and Information Policy of Ukraine; beginning of academic year)

	Number of schools						In which pupils, thsd.					
	2000/01	2005/06	2010/11	2015/16	2018/19	2019/20	2000/01	2005/06	2010/11	2015/16	2018/19	2019/20
Music schools	1036	966	892	793	783	773	194,1	185,4	184,5	165,7	166,1	...
Special music schools (boarding schools)	4	4	6	4	4	4	1,7	1,7	2,2	1,6	1,6	...
Arts schools	307	370	432	370	393	414	77,6	101,7	124,2	109,4	118,3	...
Painting schools	130	124	125	109	107	111	18,5	20,1	23,9	19,8	22,3	...
Specialized painting schools (boarding schools)	1	2	1	1	4	2	0,5	0,6	0,1	1,3	0,6	...
Choreographic schools	9	12	10	8	8	9	1,9	2,3	2,2	1,9	2,2	...
Other art schools	8	8	11	10	10	10	1,4	1,6	2,1	2,0	2,2	313,5 ¹

¹ Due to the revision of the reporting about art schools, specialized art schools (boarding schools), there are no data on the distribution of students by types of art schools

CULTURE, LEISURE, SPORT AND TOURISM

8.4. Cultural institutions in 2019, by region

(source: the Ministry of Culture and Information Policy of Ukraine)

	Libraries		Club-houses	
	total	of which in rural areas	total	of which in rural areas
Ukraine	16176	13484	16348	15112
Autonomous Republic of Crimea	...	...	...	...
oblasts				
Vinnysya	940	819	1050	1017
Volyn	572	472	675	631
Dnipropetrovsk	763	454	544	470
Donetsk	475	258	363	285
Zhytomyr	766	721	840	799
Zakarpattya	484	413	444	413
Zaporizhzhya	494	360	411	364
Ivano-Frankivsk	574	638	725	663
Kyiv	877	749	835	775
Kirovohrad	572	460	573	521
Luhansk	321	239	302	265
Lviv	1269	1085	1368	1287
Mykolayiv	490	383	497	454
Odesa	766	604	733	675
Poltava	770	657	793	744
Rivne	590	493	671	628
Sumy	564	447	610	555
Ternopil	805	712	914	867
Kharkiv	801	583	650	579
Kherson	498	359	431	393
Khmelnyskiy	836	715	1058	1012
Cherkasy	718	636	724	673
Chernivtsi	387	331	381	349
Chernihiv	701	596	748	693
cities				
Kyiv	143	×	8	×
Sevastopol	...	...	...	...

CULTURE, LEISURE, SPORT AND TOURISM

8.5. Publication of books, magazines and newspapers

(source: the State scientific institution
"Book Chamber named after Ivan Fedorov")

	2000	2005	2010	2015	2016	2017	2018	2019
Books and brochures								
Total publication, published items	7749	15720	22557	19958	21330	22047	22612	24416
Number of publication, mln. copies	44	54	45	36	49	45	47	61
of which in Ukrainian	29	33	25	24	34	33	38	53
Magazines and other periodic publication (excluding newspapers)¹								
Total publication, published items	1245	2182	2822	2847	2617	2692	2619	2527
Annual circulation, mln. copies	52	132	338	233	165	145	119	107
of which in Ukrainian	12	25	66	41	31	32	29	26
Newspapers								
Total publication, published items	2667	2974	2347	1846	1656	1666	1736	1651
Average one-off circulation, mln. copies	48	80	55	40	37	43	42	44
of which in Ukrainian	13	25	18	15	14	21	17	19
Annual circulation, mln. copies	3459	4960	3169	2349	1327	2170	1827	1478

¹ Periodic publication (excluding newspapers) its magazines, publications, bulletins and bibliographic publications

8.6. Collective accommodation facilities in 2019¹

	Number of collective accommodation facilities, units	Number of seats in collective accommodation facilities, thsd.	Number of persons who stayed in collective accommodation facilities thsd.	
			total	including foreigners
Total	1626	186,9	4604,9	812,7
Hotels and similar accommodation facilities (hotels, motels)	792	75,7	3693,5	795,5
Accommodation facilities during the leave period and other temporary residence (hostels, rest homes, boarding houses, recreation camps, tourist camps, mountain huts), camping sites and parking facilities for recreational vehicles and trailers, other accommodation facilities (dormitory accommodations for visitors, other sites for temporary accommodation)	834	111,2	911,4	17,2

¹ Information is based on data from legal persons, separate units of legal persons

CULTURE, LEISURE, SPORT AND TOURISM

8.7. Number of persons who stayed in collective accommodation facilities in 2019, by region¹
(thsd.)

	Number of persons who stayed in collective accommodation facilities, total	Including foreigners
Ukraine	4604,9	812,7
Autonomous Republic of Crimea	...	...
oblasts		
Vinnitsya	83,9	6,3
Volyn	46,0	1,6
Dnipropetrovsk	377,3	13,6
Donetsk	131,8	1,1
Zhytomyr	40,3	2,3
Zakarpattia	102,4	6,1
Zaporizhzhya	172,7	5,3
Ivano-Frankivsk	166,8	13,5
Kyiv	319,7	31,0
Kirovohrad	52,8	1,3
Luhansk	20,0	0,6
Lviv	533,9	118,2
Mykolayiv	116,3	6,2
Odesa	306,5	54,2
Poltava	162,7	6,0
Rivne	35,5	2,2
Sumy	44,7	1,9
Ternopil	43,7	7,5
Kharkiv	187,2	26,2
Kherson	104,0	2,0
Khmelnyskiy	121,0	12,5
Cherkasy	114,0	4,0
Chernivtsi	48,9	3,8
Chernihiv	46,4	4,1
cities		
Kyiv	1226,4	481,2
Sevastopol	...	...

¹ See the footnote to Table 8.6

CULTURE, LEISURE, SPORT AND TOURISM

8.8. Child care centers for health improvement and recreation, in summer 2019, by region

	Child care centers		Beds, units		Attendance by children, persons		Share of children aged 7–16 who improved their health in the total number of children, percent
	total	of which in the health improvement	total	of which in the health improvement	total	of which in the health improvement	
Ukraine	8808	241	98468	63232	906562	166731	21
Autonomous Republic of Crimea	...	...	...	...	...	...	...
oblasts							
Vinnnytsya	229	14	3770	3670	28158	7222	19
Volyn	205	c	2161	c	21497	c	17
Dnipropetrovsk	805	8	5344	2738	82978	5811	33
Donetsk	410	11	6890	4340	41020	10703	... ¹
Zhytomyr	276	8	2098	1468	22268	3670	18
Zakarpattya	196	10	2769	1109	26908	3218	16
Zaporizhzhya	214	11	10140	3946	41615	13472	17
Ivano-Frankivsk	123	9	4402	1956	21063	5870	7
Kyiv	443	4	3973	1150	32572	3390	20
Kirovohrad	471	6	1468	1468	40996	3633	43
Luhansk	219	6	1985	1985	13163	2642	... ¹
Lviv	144	c	2312	c	17464	c	7
Mykolayiv	197	4	4296	1849	20418	2851	14
Odesa	640	14	9567	5388	102164	13602	34
Poltava	757	26	6137	6094	50687	16219	39
Rivne	126	c	270	c	14732	c	10
Sumy	721	21	3918	3918	50108	10105	52
Ternopil	67	3	1051	470	4109	1065	4
Kharkiv	732	15	4849	2999	97613	7747	44
Kherson	365	33	11470	11470	60420	38833	26
Khmelnyskiy	122	6	1207	967	13799	2800	12
Cherkasy	714	9	2249	1439	47088	1846	42
Chernivtsi	89	6	2349	1915	10690	4344	11
Chernihiv	462	12	1499	1099	30865	1883	36
cities							
Kyiv	81	c	2294	c	14167	c	11
Sevastopol	...	...	...	...	...	...	...

¹ Data are not released due to low reliability of data on the basis of which the calculation is made

CULTURE, LEISURE, SPORT AND TOURISM

8.9. Sports school for children in 2019, by region

(source: the Ministry of Youth and Sport of Ukraine; end of year)

	Sports schools for children and youths and Olympic reserve specialised sports schools for children and youths		Highest sport skills schools	
	total, units	persons	total, units	persons
Ukraine	1239	460175	34	3960
Autonomous Republic of Crimea	...	...	...	...
oblasts				
Vinnysya	54	18299	1	119
Volyn	32	8816	1	96
Dnipropetrovsk	90	38990	1	220
Donetsk	51	23737	1	273
Zhytomyr	40	14001	1	111
Zakarpattya	34	13712	1	129
Zaporizhzhya	64	19945	1	120
Ivano-Frankivsk	41	15343	1	58
Kyiv	58	24546	1	207
Kirovohrad	33	12285	1	56
Luhansk	23	7077	1	110
Lviv	70	24093	1	166
Mykolayiv	53	14797	2	185
Odesa	70	25249	1	59
Poltava	45	16683	1	131
Rivne	38	14108	1	120
Sumy	49	14011	1	127
Ternopil	29	9437	1	111
Kharkiv	75	43965	2	351
Kherson	38	13709	1	72
Khmelnyskiy	42	15424	1	98
Cherkasy	38	11552	1	122
Chernivtsi	33	12947	1	85
Chernihiv	48	14597	2	229
cities				
Kyiv	91	32852	7	605
Sevastopol	...	...	...	...

CULTURE, LEISURE, SPORT AND TOURISM

8.10. Activity of physical training and sports institutions

(source: the Ministry of Youth and Sport of Ukraine; end of year)

	2000	2005	2010	2015	2016	2017	2018	2019
Persons that go in for sport	1014911	1265956	1218362	978163	941849	972802	978532	970511
including								
sports school for children and the youth, Olympic reserve specialised schools for children and the youth and the highest sport skills schools	633980	723727	619758	494286	497012	496348	474786	464566
females	247222	322902	290267	240583	235545	229862	231005	229363
disabled	7169	17342	19738	12722	11398	11380	11568	11301
Persons that engaged in types of physical training and sport	4105054	5030943	4918331	4388877	4532888	4867218	5048543	5167057
including								
at pre-school educational institutions ¹	...	...	420797	508098	517167	524671	570066	664007
at general secondary educational institutions ¹	1914177	2037429	1520243	1396771	1664505	1726537	1804121	1913403
at professional (vocational and technical) educational institutions ¹	129489	167580	134605	100855	123587	117350	116795	114296
at tertiary educational institutions ¹	330795	510014	607529	511342	500695	492401	490158	430725
enterprises, institutions and organisations, physical training and health clubs, by place of residence, school educational institutions	1623732	2150776	2235157	1871811	1726934	2006259	2067403	2044626
Of the total number of people engaged in physical culture and sport								
females	1250958	1598754	1723415	1620286	1767764	1998190	2007932	2107937
disabled involved in rehabilitation and health improving activity	22069	33464	43267	36110	36189	46619	46519	58500

¹ Excluding the persons who attended classes (lessons) in physical training (physical education), which is carried out in the framework of the educational process

CULTURE, LEISURE, SPORT AND TOURISM

8.11. Sports facilities

(source: the Ministry of Youth and Sport of Ukraine; end of year)

	2000	2005	2010	2015	2016	2017	2018	2019
Stadiums with stands for 1500 seats and more	1128	1147	1108	974	936	963	956	960
Sports grounds	35674	39977	40260	36065	36096	36684	37090	35028
including tennis-courts	845	1205	1344	1127	1112	1136	1150	1177
Football grounds	9910	11248	11730	10851	10899	11135	11097	10900
Ski lodges	122	103	72	55	55	57	58	62
Shooting range, covered and semi-covered, at least 25 m long	7598	6538	5379	4299	4212	4147	4110	3839
Swimming pools	509	510	593	492	534	557	545	557
of which								
50 m long	50	44	52	44	43	47	46	47
Covered	419	436	503	419	479	492	471	484
including 50 m long	26	24	25	20	21	23	21	24
Gymnasiums with 162 sq.m space	17032	17189	17176	14772	14664	14791	14771	14634
Track-and-field shots that are not a part of stadiums	183	231	257	241	231	225	224	234
Grounds equipped with simulators	11300	11286	11738	12115	12435	13208	13726	13955 ¹
Premises for physical training and health improving sessions	13139	15180	16234	13823	...	...	...	...
of which equipped with simulators	4315	5494	5810	4756	...	...	...	...
Jump skis	19	22	25	25	25	31	30	31
of which for freestyle	3	5	6	6	6	9	8	9
Horse riding sports centers	29	33	57	48	49	53	53	54
Cycle tracks	4	4	4	3	3	5	5	5
Facilities with manufactured ice	10	13	61	57	54	54	54	56
of which with area of 30×61 m	8	10	28	33	33	37	35	38

¹ Including 7574 sites with non-standard simulators

CULTURE, LEISURE, SPORT AND TOURISM

8.12. Physical training and health improving activity in 2019

(source: the Ministry of Youth and Sport of Ukraine; end of year)

	Persons that engaged in types of physical training and sport	Of which persons aged 6–18
Total	5167057	2794133
including		
at pre-school educational institutions ¹	664007	18086
at general secondary educational institutions ¹	1913403	1913403
at professional (vocational and technical) educational institutions ¹	114296	88559
at tertiary educational institutions ¹	430725	233291
out-of-school educational institutions	125631	121670
enterprises, institutions and organisations	1261078	169655
in physical training and health clubs, by place of residence	657917	249469
Of the total number of disabled involved in rehabilitation and health improving activity	58500	×

¹ See the footnote to Table 8.10

8.13. Number of tourists serviced by tour operators and travel agents¹, by type

(thsd.)

	2015	2016	2017	2018	2019
Total	2019	2550	2806	4557	6132
inbound (foreign tourists)	15	35	39	76	87
outbound tourists (Ukraine's citizens who traveled abroad)	1647	2061	2290	4024	5525
domestic tourists	357	454	477	457	520

¹ Legal persons and natural persons-entrepreneurs

8.14. Number of tourists serviced by tour operators and travel agents in 2019¹, by region

	Number of tourists serviced by tour operators and travel agents	Including		
		inbound (foreign tourists)	outbound tourists (Ukraine's citizens who went abroad)	domestic tourists
Ukraine	6132097	86840	5524866	520391
Autonomous Republic of Crimea	...	...	...	...
oblasts				
Vinnycytsya	51790	4	36650	15136
Volyn	27403	556	23635	3212
Dnipropetrovsk	154215	2	136215	17998
Donetsk	32930	10	25163	7757
Zhytomyr	21594	20	19203	2371
Zakarpattya	28044	114	19962	7968
Zaporizhzhya	56838	182	44391	12265
Ivano-Frankivsk	63545	2295	25146	36104
Kyiv	86926	26	84374	2526
Kirovohrad	18561	—	16213	2348
Luhansk	10380	—	8610	1770
Lviv	249442	7929	159164	82349
Mykolayiv	25107	—	23960	1147
Odesa	99764	821	77197	21746
Poltava	36847	80	35739	1028
Rivne	31425	—	28737	2688
Sumy	25919	—	19474	6445
Ternopil	24599	—	20823	3776
Kharkiv	76211	223	64911	11077
Kherson	28113	7	23607	4499
Khmelnytskyi	27613	4	19820	7789
Cherkasy	39145	85	32929	6131
Chernivtsi	27198	179	25275	1744
Chernihiv	26359	—	24741	1618
cities				
Kyiv	4862129	74303	4528927	258899
Sevastopol	...	...	...	...

¹ See the footnote to Table 8.13

9. JUSTICE AND CRIME

Criminal Code of Ukraine is the legal norms set by the highest body of legislative power which identifies what public actions should be considered as criminal and what kind of punishment should be used against the persons who committed them.

Crime is identified as an action which infringes the *Criminal Law of Ukraine*, its political and economic systems, property, person, political, labour, ownership and other rights and freedoms of citizens and socially dangerous actions which encroach on law and order and other activities forbidden by the criminal law.

The number of identified crimes are the officially identified socially dangerous actions which according to the *Criminal Code*.

Intended crime occurs when a person that committed it has been aware of the socially dangerous nature of his actions or idling. A person should have foreseen the socially dangerous after-effects and consciously assumed the manifestation of these after-effects.

Severe crimes are intended crimes that have a heightened social danger.

Responsibilities of minors: persons aged 16 or older can have criminal responsibilities if they committed a crime. Persons who have committed a crime at the age of 14–16 are also subject to criminal responsibilities for: murder, intentional infliction of body injuries that caused the

worsening of health, rape, theft, robbery, brigandage, malicious or specially malicious hooliganism, intentional destruction or damage to the property that led to the heavy after-effects and for intentional actions which could cause a train crash.

Narcotics are medical preparations and substances (barbamil, codeine, morphine, omnopone, phenamin, ephedrine, etc) and also plants or their parts that contain drug substances (different brand of hemp, poppies or poppy straw, etc).

Psychotropic substances are some psychic substances that are included into a List of drugs (DET, DMT, LSD, mescaline, amphetamine, amobarbital, etc). Precursors are toxic substances (phenil-acetone, ephedrine, calium-permanganat). From February, 1995 criminal punishment has been introduced for activities related to illegal turnover of precursors.

Fire is uncontrolled burning outside special bonfire that spreads in time and space.

The State fire supervision refers to fire protection of communities and objects, coordination of activities of ministries, other central bodies of executive power dealing with improvements to fire protection that is secured by State Service of Ukraine of Emergencies.

Due to revision of reporting form about fires and their aftermaths, table layouts 9.10 and 9.11 have been revised.

JUSTICE AND CRIME

9.1. Identified crimes, by selected category¹

(thsd.)

	2000	2005	2010	2015 ²	2016 ²	2017 ²	2018 ²	2019 ²
Total identified crimes	567,8	491,8	505,4	565,2	592,6	523,9	487,1	444,1
of which								
premeditated murders and attempted murders	5,1	3,3	2,4	3,2	1,8	1,6	1,5	1,5
premeditated severe injuries	6,9	5,7	3,8	2,6	2,4	2,2	2,2	2,0
rapes and attempted rapes	1,2	0,9	0,6	0,3	0,3	0,3	0,2	0,4
hooliganism	23,4	15,0	9,2	4,1	4,0	3,4	3,3	3,4
violent crime	5,6	6,7	4,0	3,6	3,9	3,0	2,3	1,9
robberies	23,0	47,1	23,3	22,1	27,2	18,1	13,8	11,2
extortion	2,7	1,2	0,5	0,6	0,6	0,7	0,6	0,7

¹ In 2000, data from the Ministry of Internal Affairs of Ukraine, since 2005, including data from the State Tax Service of Ukraine, in 2013, data from Prosecutor General's Office of Ukraine

² Including all messages about crimes committed on the temporarily occupied territory and registered with other territorial bodies of pre-trial investigation

Out of all crimes identified by law enforcement agencies in 2019, 155,8 thsd. were classified as grave and very grave offences.

9.2. Identified crimes, by region¹

(thsd.)

	2000	2005	2010	2015 ²	2016 ²	2017 ²	2018 ²	2019 ²
Ukraine	567,8	491,8	505,4	565,2	592,6	523,9	487,1	444,1
Autonomous Republic of Crimea	30,2	23,8	33,5	0,4	0,4	0,2	0,2	0,1
oblasts								
Vinnnytsya	14,0	12,5	12,8	16,8	16,5	14,3	12,6	11,8
Volyn	7,6	8,6	8,3	10,7	11,9	10,8	9,3	10,5
Dnipropetrovsk	65,6	46,5	49,6	50,1	46,3	44,3	45,7	42,2
Donetsk	54,6	58,2	62,6	34,7	29,8	26,1	23,8	23,6
Zhytomyr	15,8	10,0	10,2	13,9	16,9	14,8	14,2	12,8
Zakarpattia	6,7	6,6	6,8	11,4	9,5	11,2	11,0	11,8
Zaporizhzhya	32,6	28,4	27,9	41,8	47,9	31,9	26,6	23,0
Ivano-Frankivsk	8,9	7,5	5,8	8,5	9,9	8,2	7,4	7,8
Kyiv	15,9	13,5	16,6	25,2	29,1	25,7	20,1	17,2
Kirovohrad	12,8	9,6	11,9	18,4	18,5	16,7	15,4	12,9
Luhansk	39,3	35,3	32,1	12,5	12,3	11,4	10,4	8,5
Lviv	22,1	18,7	17,3	33,2	36,9	27,5	25,8	26,1
Mykolayiv	17,9	14,2	12,7	19,5	15,7	16,8	19,1	17,7
Odesa	26,9	23,5	24,8	29,4	34,7	32,6	33,0	24,6
Poltava	17,7	17,9	16,4	23,5	23,1	22,7	21,4	19,2
Rivne	7,5	7,7	7,5	11,1	12,0	11,4	10,3	10,3
Sumy	14,5	11,3	10,7	14,3	14,4	12,5	11,9	10,9
Ternopil	6,4	5,7	5,4	7,2	7,0	7,6	7,1	6,7
Kharkiv	43,1	32,0	28,3	40,9	50,6	35,0	36,4	31,7
Kherson	14,4	13,2	12,3	16,1	15,7	16,8	16,0	15,6
Khmelnyskiy	10,4	10,6	10,9	12,6	12,2	11,6	11,2	10,0
Cherkasy	14,4	10,3	9,7	16,4	18,6	17,8	15,6	13,6
Chernivtsi	4,8	5,1	6,7	9,2	8,4	9,2	7,7	7,3
Chernihiv	12,6	9,5	9,6	15,8	15,8	14,9	14,2	13,9
cities								
Kyiv	28,6	33,4	36,5	66,1	77,1	70,7	60,0	53,8
Sevastopol	4,3	4,7	5,5	0,0	0,1	0,0	0,0	0,0

¹ See the first footnote to Table 9.1

² See the second footnote to Table 9.1

JUSTICE AND CRIME

9.3. Crimes related on narcotics and other harmful drugs¹

	2000	2005	2010	2015 ²	2016 ²	2017 ²	2018 ²	2019 ²
Total identified crimes	45748	65017	56878	25908	23029	29010	27007	28774
including								
theft, appropriation, extortion of drugs, psychotropic substances or similar products or cartured by swindle or abuse of official position	332	352	255	31	28	28	21	28
illegal production, purchase, storage, transportation and trafficking of drugs for sale or other purposes (plus sales)	40138	53456	47702	21504	19691	25100	23475	25005
inclination for drugs	385	965	618	158	19	44	34	45
setting up and keeping places for illegal consumption, production or the making of drugs, psychotropic agents or similar products	1664	2743	2150	1044	460	590	511	509

¹ Before 2010, data from the Ministry of Internal Affairs of Ukraine, in 2013, data from Prosecutor General's Office of Ukraine

² See the second footnote to Table 9.1

9.4. Court convictions, by selected crime¹

(source: the State Judicial Administration of Ukraine; thsd.)

	2000	2005	2010	2015	2016	2017	2018	2019
Total convicted	230,9	176,9	168,8	94,8²	76,2²	76,8²	73,7²	70,4²
of whom of								
theft	108,4	60,1	61,0	41,2	34,5	34,2	34,0	32,1
robberies	10,0	13,4	11,6	4,8	4,1	4,1	3,5	3,5
violent crime	4,9	4,4	3,8	1,0	0,9	0,9	0,6	0,6
extortion	1,4	0,7	0,4	0,1	0,1	0,1	0,1	0,1
intended murders and attempted murders	3,9	2,1	2,0	0,8	0,7	0,6	0,5	0,4
intended severe injuries	4,9	4,1	3,4	1,7	1,4	1,3	1,1	1,1
rapes and attempted rapes	0,9	0,7	0,4	0,1	0,1	0,1	0,0	0,1

¹ In 2000, including those convicted by interregional court; since 2005, those convicted by military courts

² Excluding some courts of Donetsk and Luhansk oblasts

JUSTICE AND CRIME

9.5. Court convictions, by region¹

(source: the State Judicial Administration of Ukraine; thsd.)

	2000	2005	2010	2015	2016	2017	2018	2019
Ukraine	230,9	176,9	168,8	94,8²	76,2²	76,8²	73,7²	70,4²
Autonomous Republic of Crimea	10,9	10,2	8,2	...	...	...	...	...
oblasts								
Vinnnytsya	7,7	5,2	6,1	3,8	3,4	3,6	2,8	2,8
Volyn	3,7	3,2	3,3	2,5	1,9	1,8	1,8	1,8
Dnipropetrovsk	22,1	13,6	14,9	11,2	8,6	8,4	8,4	7,7
Donetsk	25,8	22,2	20,3	5,7	5,4	5,5	5,0	4,9
Zhytomyr	5,8	4,5	4,7	3,3	2,8	2,6	2,8	2,5
Zakarpattya	3,7	2,6	2,9	1,9	1,4	1,7	1,7	1,5
Zaporizhzhya	13,3	11,4	9,7	5,6	4,5	4,0	4,1	3,7
Ivano-Frankivsk	3,6	3,4	3,4	1,8	1,5	1,5	1,4	1,4
Kyiv	8,1	5,6	4,8	4,4	3,2	3,3	3,1	3,2
Kirovohrad	6,1	4,0	4,7	3,2	2,7	2,7	2,2	1,9
Luhansk	17,4	12,9	12,7	2,0	2,4	2,7	2,6	2,2
Lviv	8,4	6,0	5,7	4,6	3,6	3,6	3,7	3,6
Mykolayiv	6,5	6,8	5,6	3,8	2,5	2,4	2,3	2,5
Odesa	12,6	9,2	8,3	4,6	3,2	3,5	3,6	3,2
Poltava	7,0	6,7	4,7	4,6	3,9	4,3	3,6	3,4
Rivne	3,2	3,0	3,3	2,4	1,8	2,1	1,8	1,8
Sumy	6,8	4,6	5,0	2,9	2,7	2,7	2,7	2,6
Ternopil	3,0	2,1	2,5	1,6	1,3	1,1	1,2	1,0
Kharkiv	15,8	13,7	8,6	7,4	5,7	5,7	5,5	5,4
Kherson	6,8	5,5	5,3	3,4	2,4	2,3	2,1	2,3
Khmelnyskiy	4,8	4,1	4,6	2,6	2,2	2,1	2,0	2,3
Cherkasy	7,0	4,2	4,4	2,7	1,9	1,8	1,8	1,7
Chernivtsi	2,9	1,8	2,1	1,5	1,3	1,5	1,2	1,3
Chernihiv	6,2	4,6	4,4	3,0	2,2	2,2	2,1	1,9
cities								
Kyiv	9,3	3,9	6,5	4,2	3,5	3,8	4,2	3,8
Sevastopol	1,9	1,3	1,4

¹ See the first footnote to Table 9.4

² See the second footnote to Table 9.4

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9.6. Institutions executing sentences and number of prisoners

(source: the Ministry of Justice of Ukraine; end of year)

	2000	2005	2010	2015	2016	2017	2018	2019
Number of institutions executing sentences	137	147	151	146	146	146	146	146
including								
for females	11	12	12	14	14	14	14	14
for minors	11	11	10	6	6	6	6	6
Number of prisoners, thsd.	177,1	138,3	115,4	54,5	44,0	39,0	36,6	34,9
including								
for females	10,9	8,5	6,7	2,8	2,2	1,9	1,7	1,6
for minors	2,5	2,1	0,9	0,2	0,2	0,1	0,1	0,0

9.7. Number and composition of children who are registered with units for preventive activity on juvenile prevention

(source: the National Police of Ukraine; end of year; thsd.)

	2000	2005	2010	2015	2016	2017	2018	2019
Total	39,8	41,5	20,3	4,9	3,9	4,3	3,8	3,7
Of whom								
pupils of general secondary education institutions	15,6	22,5	11,4	2,3	1,7	1,9	1,6	1,6
pupils of professional (vocational and technical) educational institutions	6,5	7,0	3,5	1,8	1,5	1,7	1,5	1,3
do not work or study	10,0	7,8	4,1	0,5	0,4	0,5	0,5	0,5
have one parent	10,4	11,0	5,8	1,7	1,4	1,7	1,2	1,1
have no parents	0,9	1,2	0,8	0,3	0,2	0,3	0,2	0,2
live in boarding schools and orphanages	1,0	1,7	1,1	0,1	0,1	0,1	0,1	0,1

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9.8. Consideration of cases (applications) by courts of first instance in the procedure of civil justice

(source: the State Judicial Administration of Ukraine; thsd.)

	2000		2005		2015		2018		2019	
	conside- red cases (applica- tions)	satisfied suits (issue the writs)	conside- red cases (applica- tions)	satisfied suits (issue the writs)	conside- red cases (applica- tions)	satisfied suits (issue the writs)	conside- red cases (applica- tions)	satisfied suits (issue the writs)	conside- red cases (applica- tions)	satisfied suits (issue the writs)
Total cases	911,4	867,1	1116,2	1040,9	947,2	756,9	766,4	627,9	770,9	630,1
of which										
reinstatement	5,5	3,1	3,8	2,2	2,1	0,8	1,7	0,8	1,4	0,6
payment of wages	237,6	232,3	56,0	53,5	8,6	6,1	8,9	7,0	8,9	7,4
indemnification of financial damage, inflicted by employees to state enterprise, establishment, organisation	1,8	1,6	0,7	0,6	0,4	0,2	0,2	0,1	0,2	0,1
divorce	156,9	154,8	140,7	138,8	109,5	95,2	111,6	100,1	111,3	99,5

9.9. State notary services

(source: the Ministry of Justice of Ukraine)

	2000	2005	2010	2015	2016	2017	2018	2019
Total state notary offices, units	795	826	843	780	771	751	729	724
Number of private notaries, persons	2035	3273	5325	5697	5589	5544	5617	5746
Number of the performed notarial acts, thsd.								
by state notary offices	3920	4094	3284	1731	1586	1519	1391	1293
by private notaries	7709	14510	13609	10812	10317	10943	11178	11308
Amount of the state duty charged for performing notarial acts by the state notary offices, mln. UAH	50,8	71,2	62,8	65,1	59,7	63,5	70,8	80,3
Amount of taxes paid to the budget for performing notarial acts by private notaries, mln. UAH	29,9	47,8	85,9	140,4	191,6	236,7	265,1	303,7

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9.10. Fires

(source: the State Service of Ukraine of Emergencies)

	2000	2005	2010	2015	2016	2017	2018	2019
Total fires, units	61526	53751	64743	82016	75323	85724	80106	97435
Fire consequences								
total killed, persons	2423	4182	2823	1993	1899	1866	1959	1902
of whom children	149	119	95	66	57	68	52	58
total injured, persons	1532	1912	1551	1473	1413	1642	1596	1650
total rescued, persons	6901	4114	5259	2454	2646	2384	2424	1986
Total direct losses, mln. UAH	70,3	292,5	669,8	1637,7	2608,0	6106,6	2401,0	3249,5
Destroyed or damaged								
buildings and dwellings	17704	20918	22304	26913	21286	24924	25426	25921
vehicles	2142	2457	3195	3995	3964	4510	4809	5031

9.11. Fires, by cause

(source: the State Service of Ukraine of Emergencies)

	2018	2019
Total fires	80106	97435
Arson	3024	3100
Equipment disrepair, violation of the technological process of production	176	170
Violation of fire safety rules during the installation and operation of electrical installations	1068	870
Short circuit	10252	9886
Violation of fire safety rules during operation of electrical appliances	401	347
Violation of fire safety rules during fire works	273	256
Explosion	84	53
Self-ignition substances and materials	240	290
Violation of the rules equipment and operation furnaces	5743	4722
Violation of the rules equipment and operation of heat generating units and installations	193	159
Violation rules of operation household gas, kerosene and other products	343	375
Careless use of fire	42736	54590
Children's mischief with fire	609	598
Lightning discharge	336	349
Vehicle malfunction	2285	2484
Road accident	73	92
Carrying in the ignition source from the outside	10328	16543
Unidentified reasons	56	91
Other reasons	1886	2460

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Total land area is an area of land together with the internal waters located within the State border.

Preserves are natural protective and research establishments of international and national importance created for the purpose of preservation of the typical biosphere or landscape for ecological monitoring, development of research protection and effective use of environment.

National nature parks are natural protective, recreational, culture and educational, research establishments of national importance that are created to preserve, recreate and use effectively the nature complexes and objects which are of special importance, and have health, historical and cultural, scientific, educational and aesthetic value.

Use of fresh water is the volume of water collected from natural sources or obtained from the water supply system of other users, which is used for satisfaction of different needs. Water use composition does not include the volumes of return and successive (reuse) water use (apart from water that was supplied to compensate for loss into these return and successive water economy systems) as well as collector and drainage water.

Fresh water is natural water with low content of salts. Usually it is regarded as fit for abstraction and purification in order to obtain drinking water.

Fresh water abstraction is water taken from any sources (sources of surface water such as rivers, lakes, water storage basins or showers and sources of subsoil water) for ever or temporary. It includes water abstraction by water supply sphere for distribution and direct water abstraction for other types of activities and one's own needs.

Water use for production needs (except agricultural use) is volume of water used for technical needs of industry, transport, construction and other sectors of the national economy. It also includes fresh water entry for recycled water supply systems and water volumes, which were using in pond fish culture.

Water use for household needs is water volume used for domestic (communal) population needs (including needs of enterprise workers).

General water drain is the volumes of water discharged into the natural water bodies and transferred to other users.

Contaminated return waters are the industrial and domestic (municipal) effluents (including mine, reservoir, drainage), as well as volley discharges entering surface water bodies without treatment or after insufficient treatment and containing pollutants in quantities which leads to violation of the established norms of water quality in the control area. These do not include the amount of effluent coming to the filtration fields, in the storage, on the terrain, etc.

Regulatory-treated return waters are effluents that have been purified at the relevant facilities and the discharge of which after purification into water bodies does not violate the established standards of water quality in the control area or point of water use.

Circulating and re-successive water supply is the volume of fresh water saving owing to the use of the system for return and recycling water including the usage of waste and collector and drainage waters. Water recycling does not include water losses in the systems for communal and production heat supply.

Capacity of treatment facilities is the maximum volume of return waters that can be purified in the treatment facilities at the end of reference period.

The return water discharge into the surface water bodies is the volumes of standard and clean, standard and purified, and polluted flows (production and communal) discharged into water bodies located on the land surface.

Pollutant substance is any substance or material of physical, chemical or biological nature that has negative impact on the air, water, land or biot.

Stationary pollutant source is enterprise, shop, power unit, processing unit or other immovable object that preserves its space coordinates during certain time and makes emissions of pollutants into the air.

Mobile pollution source is a transport vehicle whose movement is accompanied by pollutant emissions into the air. In particular, it is motor, rail, air, water transport and manufacturing machinery.

Emission of the pollutants into the atmosphere from stationary source is total amount of contaminants coming to the air basin from stationary sources both after treatment at dust-arresting and gas-cleaning systems as a result of insufficient capture and purification at organised sources and without treatment from organised and non-organised sources of pollution. It excludes emissions of the pollutants as a result of soil erosion (dust storms), forest fires, etc.

Emission of the pollutants into the atmosphere from mobile sources is total amount of contaminants coming to atmosphere from motor road, air, rail and water transport, and manufacturing technics.

Emissions are supply of pollutants or mixture of such substances into the air by stationary and mobile pollution sources.

Hazardous wastes are wastes that have such physical, chemical, biological or other hazardous properties that create or can create significant danger to environment and human health and which require special methods and ways to treat them.

Treatment of waste are actions directed on waste generation prevention, collection, transportation, storage, processing, recycling, removing, neutralization and waste disposal including these operations supervision and control over the utilization sites.

Disposal of wastes is the operations with wastes that do not lead to their utilization.

Utilization of wastes is the usage of the wastes as the secondary material or energy resources.

Wastes incineration is the regulated process for the incineration of solid, liquid or gaseous wastes at high temperatures.

Specially allocated sites and disposal facilities are the sites or facilities for the final waste placement, for the usage of which the permit from specially authorized central executive body in the sphere of waste management was received.

Capital investment into environmental protection are investment for purchasing the new and the used or produced through one's own resources for own use tangible and intangible assets, expenditure for capital repair and modernization in order to protect the environment.

Accumulation of waste is the final placement of waste that is not subject to utilization or processing at specially allocated sites or facilities.

Waste are any substances, materials and things generated during production or consumption processes and also the goods (products) fully or partly have lost their consumer properties, have no further use at a place of their generation or revealing, and their owner should eliminate them by recycling or removing.

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Costs on major repair of capital assets related to environment protection are all costs in a reporting year for improvement works that lead to increase in future economic benefit primarily expected from the object use and to the amount of which the primary value of fixed capital increases.

Current costs on environmental protection are costs for the support (maintenance and exploitation) of object (fixed assets related to environmental protection) in active status and included to the composition of costs of the current period.

LAND

10.1. Lands of Ukraine

(source: the State Service on Geodesy, Cartography and Cadaster of Ukraine; as of January 1, 2020)

	Area, thsd.ha	Percentage of total land
Total land area	60354,9	100,0
agricultural lands	41310,9	68,5
forest and forested land	10686,8	17,7
built areas	3767,5	6,2
land under water	2415,4	4,0
open swamp areas	973,8	1,6
other land	1200,5	2,0

10.2. Preserves and national nature parks

	2000	2005	2010	2015 ¹	2016 ¹	2017 ¹	2018 ¹	2019 ¹
Total preserves and national nature parks	31	36	45	72	73	73	73	76
Their area, thsd.ha	887,5	1056,5	1310,5	1769,1	1997,4	1997,4	1997,4	2063,9

¹ Source: the Ministry of Environment Protection and Natural Resources of Ukraine

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WATER RESOURCES

10.3. Water supply and water drainage, basic indicators

(source: the State Agency of Water Resources of Ukraine; mln.cub.m)

	2000	2005	2010	2015	2016	2017	2018	2019
Use of fresh water	12991	10188	9817	7125	7169	6853	7363	7318
of which								
for production purposes	6957	4878	5511	4491	4591	4015	4499	4723
for household and drinking purposes	3311	2409	1917	1267	1239	1174	1171	1148
for irrigation	1699	1186	1377	1237	1211	1549	1591	1343
General water drain ¹	10964	8900	8141	5581	5612	4921	5412	5573
Water discharge into surface water bodies	10517	8553	7817	5343	5399	4715	5210	5374
polluted return waters	3313	3444	1744	875	698	997	952	737
without purification	758	896	312	184	164	158	141	139
insufficiently purified	2555	2548	1432	691	534	839	811	598
purified according to standards	2100	1315	1760	1389	1381	1023	1058	1188
Capacity of purifying facilities	7992	7688	7425	5801	5690	5415	5378	5546

¹ Excluding transit and discharge into the channels

10.4. Abstraction and usage of fresh water

(source: the State Agency of Water Resources of Ukraine; mln.cub.m)

	2000	2005	2010	2015	2016	2017	2018	2019
Fresh water abstracted, total	17466	14255	13916	9109	9325	8635	10705	10596
from surface sources	14479	11806	11893	7823	8055	7457	9540	9439
from underground sources	2987	2449	2023	1286	1270	1178	1165	1157
Losses of fresh water while transporting	2477	2327	2158	1139	1143	1145	1142	1119
Fresh water used, total	12175	9360	8886	6556	6608	6284	6790	6821
drinking	4012	2954	2329	1728	1684	1642	1672	1675
technical	8163	6406	6557	4828	4924	4642	5118	5146

10.5. Recycling and re-consecutive water supply

(source: the State Agency of Water Resources of Ukraine; mln.cub.m)

	2000	2005	2010	2015	2016	2017	2018	2019
Recycling and re-consecutive water supply, total	41523	47167	43138	40306	39619	38716	34370	34074
recycling	39604	45687	41783	39172	38545	37621	33231	33033
repeated	1266	988	851	673	654	633	677	613
reconsecutive	653	492	504	461	420	462	462	428

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10.6. Waste recycled waters drained into the surface water basins in 2019, by region

(source: the State Agency of Water Resources of Ukraine; mln.cub.m)

	Total	Including		Share in general volume of water drain, percent
		without purification	insufficient purification	
Ukraine	737	139	598	13,2
Autonomous Republic of Crimea	...	...	...	...
oblasts				
Vinnitsya	1	—	1	1,6
Volyn	0	0	0	0,0
Dnipropetrovsk	200	75	125	27,1
Donetsk	45	0	45	3,9
Zhytomyr	2	0	2	2,7
Zakarpattya	3	1	2	7,5
Zaporizhzhya	11	0	11	1,3
Ivano-Frankivsk	1	0	1	1,6
Kyiv	2	—	2	0,4
Kirovohrad	3	—	3	7,5
Luhansk	16	1	15	39,0
Lviv	45	1	44	26,8
Mykolayiv	20	0	20	25,6
Odesa	36	32	4	22,4
Poltava	2	—	2	2,6
Rivne	5	—	5	9,6
Sumy	21	0	21	45,7
Ternopil	2	0	2	5,1
Kharkiv	15	9	6	5,2
Kherson	1	1	—	1,1
Khmelnyskiy	1	—	1	2,1
Cherkasy	3	0	3	2,9
Chernivtsi	1	1	0	2,4
Chernihiv	14	—	14	18,2
cities				
Kyiv	287	18	269	39,7
Sevastopol

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ATMOSPHERE

10.7. Emission of pollutants and carbon dioxide into the atmosphere

(thsd.t)

	2000	2005	2010	2015	2016	2017	2018	2019 ¹
Emission of pollutants – total	5908,6	6615,6	6678,0	4521,3	4686,6	4230,6	4121,2	4119,0
of which								
sulfur dioxide	984,8	1132,8	1235,2	854,0	1094,0	744,4	716,7	694,6
nitrogen peroxide	440,6	523,9	603,7	453,0	404,5	384,3	385,7	377,2
nitrogen oxide	...	x	8,9	10,1	10,4	9,7	9,6	7,8
carbon oxide	2776,8	2975,2	2951,9	1971,9	2029,9	1986,9	1974,9	2021,1
methane	...	x	853,0	519,4	417,6	504,1	456,1	446,9
non-methane volatile organic compounds	...	x	359,3	225,8	222,8	223,6	206,5	208,1
weighted suspension particles	736,8	711,3	594,5	377,4	418,8	343,3	342,2	334,7
ammonia	x	x	25,1	18,8	18,8	17,4	16,8	17,9
Emission of pollutants by stationary sources of pollution	3959,4	4464,1	4131,6	2857,4	3078,1	2584,9	2508,3	2459,5
of which								
sulfur dioxide	976,6	1119,5	1206,3	830,3	1076,4	726,2	698,1	676,0
nitrogen peroxide	320,0	343,7	310,5	233,8	240,2	215,5	215,3	205,1
nitrogen oxide	...	7,1	6,8	8,7	9,6	8,9	8,8	7,0
carbon oxide	1230,6	1320,5	1063,8	764,1	802,8	728,4	744,3	748,4
methane	...	811,1	844,8	514,1	466,5	499,0	451,1	441,7
non-methane volatile organic compounds	...	91,1	66,0	47,3	52,2	53,1	43,7	42,5
weighted suspension particles	729,6	697,9	562,1	349,6	395,8	319,5	317,5	310,3
ammonia	8,3	17,9	25,1	18,8	18,8	17,4	16,8	17,9
Emission of pollutants by movable sources of pollution²	1949,2	2151,5	2546,4	1663,9	1608,5	1645,7	1612,9	1659,5
of which								
sulphur dioxide	8,2	13,3	28,9	23,7	17,6	18,2	18,6	18,6
nitrogen peroxide	120,6	180,2	293,2	219,2	164,3	168,8	170,4	172,1
nitrogen oxide	...	...	2,1	1,4	0,8	0,8	0,8	0,8
carbon oxide	1546,2	1654,7	1888,1	1207,8	1227,1	1258,5	1230,6	1272,7
methane	...	...	8,2	5,3	5,1	5,1	5,0	5,2
non-methane volatile organic compounds	...	...	293,3	178,5	170,6	170,5	162,8	165,6
soot	7,2	13,4	32,4	27,8	23,0	23,8	24,7	24,4
ammonia	...	...	0,022	0,011	0,008	0,008	0,007	0,007
Besides emission of carbon dioxide – total, mln.t	...	x	198,2	162,0	173,9	148,2	150,5	x
of which								
by stationary sources of pollution	...	152,0	165,0	138,9	150,6	124,2	126,4	121,3
by movable sources of pollution ³	...	...	33,2	23,1	23,3	24,0	24,1	...

¹ Preliminary data on the total emissions of pollutants in this country as a whole and from mobile sources of pollution

² Since 2016, the data reflect emissions from motor road transport

³ Since 2016, data on carbon dioxide emissions from motor road transport are presented, according to the Ministry of Environmental Protection and Natural Resources

NATURAL RESOURCES AND ENVIRONMENT PROTECTION

**10.8. Stationary pollutant emissions and carbon dioxide into the atmosphere in 2019,
by type of economic activity**

	Pollutants			
	pollutant emissions		carbon dioxide	
	thsd.t	percent of total	thsd.t	percent of total
All types of economic activities	2459,5	100,0	121282,9	100,0
Agriculture, forestry and fishing	82,1	3,3	1162,2	0,1
Mining and quarrying	418,9	17,0	3105,0	2,6
including				
Mining of coal and lignite	308,0	12,5	259,0	0,2
Manufacturing	890,3	36,2	48782,3	40,2
including				
Manufacture of food products	35,2	1,4	2402,4	2,0
Manufacture of coke, and refined petroleum products	31,9	1,3	2151,9	1,8
Manufacture of basic metals	739,7	30,1	32068,9	26,4
Electricity, gas, steam and air-conditioning supply	960,7	39,1	63274,0	52,2
Water supply, sewerage, waste management and remediation	18,9	0,8	240,7	0,2
Construction	2,5	0,1	38,0	0,0
Wholesale and retail trade; repair of motor vehicles and motorcycles	3,4	0,1	76,4	0,1
Transport and storage, postal and courier activities	53,9	2,2	3703,9	3,0
Temporary accommodation and organisation of catering information and telecommunications; financial and insurance activity; transactions with real estate; activity in the sphere of administrative and auxiliary servicing	4,0	0,2	238,1	0,2
Professional, scientific and technical activity; education	5,1	0,2	148,6	0,1
State administration and defense; compulsory social insurance	13,1	0,5	330,4	0,3
Health care and provision of social aid; art, sport, entertainment and leisure; provision of other types of services	6,6	0,3	183,3	0,1

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10.9. Stationary pollutant emissions into the atmosphere, by region and selected cities and towns¹

(thsd.t)

	2000	2005	2010	2015	2016	2017	2018	2019
Ukraine	3959,4	4464,1	4131,6	2857,4	3078,1	2584,9	2508,3	2459,5
Autonomous Republic of Crimea	33,5	35,1	32,3	...	...	...	...	...
of which								
Simferopol	2,0	2,1	2,1	...	...	...	...	...
Armyansk	6,1	9,7	12,1	...	...	...	...	...
Kerch	10,6	2,5	1,9	...	...	...	...	...
Krasnoperekopsk	8,6	10,8	7,9	...	...	...	...	...
Yalta	0,8	1,3	0,4	...	...	...	...	...
oblasts								
Vinnnytsya	80,1	107,4	103,0	134,7	119,8	155,8	97,3	99,7
of which								
Vinnnytsya city	2,1	5,1	3,4	15,8	12,1	13,6	2,5	2,9
Ladyzhyn	62,9	87,1	74,8	78,8	66,1	94,7	73,5	73,7
Volyn	10,3	10,1	8,2	4,7	4,7	5,1	5,1	5,3
of which								
Lutsk	2,1	1,8	1,0	0,9	0,8	0,8	0,4	0,5
Novovolynsk	2,8	0,7	0,2	0,2	0,2	0,3	0,4	0,0
Kovel	1,7	1,1	3,5	0,4	0,4	0,3	0,4	0,4
Dnipropetrovsk	783,6	993,7	933,1	723,9	833,0	657,3	614,3	576,9
of which								
Dnipro (<i>the former</i> Dnipropetrovsk city)	97,3	128,8	110,0	48,5	80,6	45,7	47,1	40,8
Zelenodolsk	79,4	108,6	173,4	66,9	146,1	48,1	28,6	20,4
Kamyanske (<i>the former</i> Dniprodzerzhinsk city)	105,0	126,1	108,5	101,0	90,5	57,8	103,3	83,3
Kryviy Rih	443,4	523,9	395,0	327,0	342,9	323,9	267,4	268,3
Nikopol	28,4	24,6	26,2	19,5	25,7	25,3	26,2	25,0
Donetsk	1590,0	1638,1	1378,1	917,6	981,4	784,8	790,2	773,5
of which								
Donetsk city	197,9	168,9	80,2	...	...	...	...	...
Avdyivka	37,4	23,8	14,7	8,1	10,3	11,7	12,5	10,5
Vuhledar	23,2	31,8	25,9	28,4	25,9	24,1	23,8	28,6
Horlivka	50,4	45,6	28,4	...	...	...	...	...
Debaltseve	108,6	95,5	112,8	...	...	...	...	...
of which								
Svitlodarske	94,3	90,6	104,2	...	...	...	...	...
Dobropillya	8,6	34,1	39,5	35,1	35,8	31,0	35,0	28,9
Yenakiyeve	74,8	66,1	67,4	42,7	42,7	...	...	...
Zuhres	70,8	61,3	70,8	56,5	53,7	...	...	...
Kurahove	117,2	103,4	123,9	112,7	126,4	154,7	139,2	131,8
Makyivka	103,7	124,8	58,1	...	...	...	...	...
Mariupol	340,4	425,7	364,3	249,6	257,3	288,2	316,6	330,1
Novy Svit	121,8	123,7	109,9	81,4	97,0	...	...	...
Novoamvrosiivske	0,6	6,7	3,3	...	...	...	...	...

NATURAL RESOURCES AND ENVIRONMENT PROTECTION

Table 10.9 continued

	2000	2005	2010	2015	2016	2017	2018	2019
Pokrovskiy (<i>the former</i> Krasnoarmiysk city)	21,7	38,3	33,3	...	68,1	90,8	66,8	53,8
Rayhorodok	32,4	48,9	48,8	37,8	56,7	23,9	44,8	61,2
Rodynske	20,6	37,1	32,9	22,1	17,8	17,8	17,2	...
Slovyansk	2,0	2,5	1,6	0,7	0,4	0,3	0,6	0,4
Toretsk (<i>the former</i> Dzerzhynsk city)	31,6	20,1	10,8	7,6	8,9	6,7	7,0	5,3
Khartsyzk	88,4	68,9	75,4	56,5	53,7	...	...	...
Khrestivka (<i>the former</i> Kirovske city)	35,6	57,1	50,0	...	...	...	...	...
Zhytomyr	12,3	13,4	18,4	9,0	9,3	10,3	13,0	12,7
of which								
Zhytomyr city	2,1	3,0	0,9	1,3	1,3	1,4	1,5	1,6
Berdychiv	1,5	2,2	5,6	0,2	0,2	0,3	0,2	0,2
Korosten	1,2	0,8	0,5	0,6	0,5	0,6	0,8	0,7
Zakarpattya	7,7	26,6	17,4	4,4	4,9	3,2	4,0	3,7
of which								
Uzhgorod	0,7	3,1	1,4	1,8	1,0	0,1	0,1	0,1
Vynohradiv	0,2	0,0	2,6	0,0	0,0	0,0	0,0	0,0
Volovets	1,0	2,0	0,5	0,2	0,2	0,7	0,3	0,6
Zaporizhzhya	231,2	262,0	217,5	193,7	167,0	180,9	174,7	173,4
of which								
Zaporizhzhya city	135,5	153,9	109,6	83,3	70,2	69,9	71,3	69,7
Enerhodar	80,8	98,4	100,3	103,9	91,4	105,3	98,2	98,7
Ivano-Frankivsk	141,0	204,2	169,2	223,9	196,7	198,3	221,4	205,0
of which								
Ivano-Frankivsk city	0,8	0,7	0,5	0,4	0,4	0,4	0,4	0,4
Burshtyn	118,9	176,5	146,8	198,0	168,5	160,1	182,9	169,9
Kyiv	80,8	73,0	106,8	78,1	98,2	48,2	81,3	84,4
of which								
Bila Tserkva	3,0	2,3	1,2	2,0	6,3	3,5	1,5	1,4
Bohuslav	0,1	3,3	1,9	1,1	0,0	0,0	0,0	0,2
Boyarka	0,1	0,4	5,4	0,1	0,6	0,1	0,6	0,1
Ukrayinka	64,5	53,2	82,8	55,5	74,7	23,3	53,8	56,2
Yagotyn	2,5	2,2	8,8	2,1	1,9	2,3	2,0	1,6
Kirovohrad	44,7	33,0	14,8	14,2	11,8	12,2	12,2	12,8
of which								
Kropyvnytskiy (<i>the former</i> Kirovohrad city)	2,2	2,4	2,2	2,3	2,3	2,1	2,0	2,1
Oleksandriya	32,1	12,5	0,2	0,2	0,2	0,3	0,3	0,3
of which								
Dymytrove	23,5	9,7	0,0	0,0	0,0	0,0	0,0	0,0
Luhansk	429,0	474,7	511,7	115,2	155,5	75,1	46,7	37,4
of which								
Luhansk city	144,2	118,8	160,7	...	...	...	...	...
of which Schastya	140,4	112,9	155,7	55,5	73,2	45,7	26,2	17,5

NATURAL RESOURCES AND ENVIRONMENT PROTECTION

Table 10.9 continued

	2000	2005	2010	2015	2016	2017	2018	2019
Alchevsk	78,7	104,8	89,3	25,5	47,3	6,0	...	...
Kadiyivka (<i>the former</i> Stakhanov city)	19,7	29,2	23,9	...	...	...	...	...
Lysychansk	32,1	45,1	31,1	16,6	16,6	16,4	13,4	13,1
Perevalsk	10,7	6,1	6,4	...	...	...	...	...
Samsonivka	5,2	13,5	51,4	...	...	...	...	...
Sorokine (<i>the former</i> Krasnodon city)	26,0	73,0	14,6	...	...	...	...	...
of which								
Sukhodilsk	9,9	40,3	13,3	...	...	...	...	...
Khustalniy (<i>the former</i> Krasniy Luch city)	20,1	16,7	5,5	...	...	...	...	...
Lviv	108,6	95,8	113,2	102,4	103,1	109,1	106,7	88,9
of which								
Lviv city	3,1	2,8	2,0	2,6	1,7	4,0	2,0	2,3
Dobrotvir	73,0	51,5	39,3	40,6	44,9	49,8	43,7	32,2
Mykolayiv	11,4	24,3	21,5	15,8	13,9	14,2	13,1	12,1
of which								
Mykolayiv city	5,7	6,5	5,9	5,5	3,6	3,3	3,0	3,1
Olshanske	2,3	6,0	6,9	2,2	1,4	1,3	1,8	1,4
Odesa	23,2	40,5	29,2	26,1	26,4	29,6	37,4	33,1
of which								
Odesa city	9,4	21,1	14,4	9,7	11,9	12,0	18,3	20,1
Berezivka	0,3	1,8	0,3	0,2	0,2	0,2	0,4	0,1
Podilsk (<i>the former</i> Kotovsk city)	2,1	1,3	1,1	1,0	1,3	1,2	1,7	0,4
Chernomorsk (<i>the former</i> Illichivsk city)	1,2	1,4	1,1	1,1	1,0	1,4	1,6	1,6
Yuzhne	2,2	2,8	2,7	2,5	1,7	1,6	1,6	1,9
Poltava	60,4	68,4	72,8	55,6	56,2	55,9	52,1	51,0
of which								
Poltava city	2,9	2,4	1,8	1,2	1,2	1,2	1,1	1,0
Horishni Plavni (<i>the former</i> Komsomolsk city)	7,1	9,6	11,3	12,2	9,2	9,9	10,9	11,7
Kremenchuk	24,9	28,7	18,7	16,1	20,8	18,7	15,5	13,8
Rivne	14,1	17,3	12,9	10,2	9,1	9,6	9,1	9,9
of which								
Rivne city	4,2	3,3	4,5	3,7	3,2	2,8	2,6	4,1
Zdolbuniv	2,8	5,5	2,7	2,7	2,3	3,2	2,7	1,8
Sumy	26,3	26,1	31,7	17,5	19,8	20,3	20,8	21,7
of which								
Sumy city	8,0	8,6	10,4	6,5	7,0	7,4	8,4	7,5
Konotop	1,4	0,7	0,3	0,3	0,3	0,3	0,2	0,4
Shostka	1,4	0,5	0,4	0,3	0,4	0,4	0,3	0,4

NATURAL RESOURCES AND ENVIRONMENT PROTECTION

Table 10.9 continued

	2000	2005	2010	2015	2016	2017	2018	2019
Ternopil	9,2	14,8	18,5	8,5	9,0	10,6	10,2	9,4
of which								
Ternopil city	1,1	0,8	0,6	0,6	0,6	0,7	0,7	0,4
Velyki Birky	0,6	2,3	10,7	0,0	0,0	0,0	0,0	0,0
Kremenets	0,9	0,5	0,9	0,3	1,3	1,1	0,9	0,7
Kharkiv	143,7	158,7	151,9	53,4	100,2	45,0	44,7	106,5
of which								
Kharkiv city	20,6	6,9	4,9	4,4	4,9	4,9	4,8	4,0
Balakliya	4,6	9,1	0,7	0,4	0,4	0,5	0,3	0,1
Donets (the former Chervoniy Donets city)	8,2	4,0	3,5	2,5	2,6	3,6	1,1	4,9
Slobozhanske (the former Komsomolske city)	95,2	104,4	108,1	22,8	55,9	11,2	10,5	57,4
Kherson	11,6	11,0	5,3	8,9	9,7	9,6	12,4	17,8
of which								
Kherson city	8,0	9,2	3,5	5,4	3,0	2,6	3,5	4,8
Khmelnyskiy	18,4	16,0	19,1	18,3	21,7	21,1	22,1	20,3
of which								
Khmelnyskiy city	2,9	1,2	1,0	1,0	1,0	1,1	1,0	1,0
Humensi	2,2	7,2	9,4	7,1	7,6	7,8	8,5	7,9
Krasyliv	1,6	1,9	3,6	0,8	0,6	1,5	0,7	0,6
Slavuta	1,9	1,2	0,3	0,5	0,4	0,4	0,4	0,3
Starokostyantyniv	0,8	0,3	0,5	0,2	0,3	0,8	0,9	1,1
Cherkasy	28,8	39,4	61,2	57,5	52,3	48,3	57,9	51,8
of which								
Cherkasy city	16,8	21,4	32,3	29,8	23,8	20,1	24,4	21,2
Smila	1,3	1,8	0,3	0,3	0,3	0,3	0,4	0,5
Talne	0,8	2,2	0,9	0,4	0,2	0,2	0,1	0,2
Chernivtsi	4,1	5,2	3,8	3,2	3,0	3,3	2,7	2,4
of which								
Chernivtsi city	1,4	1,4	1,3	1,1	1,0	1,1	1,0	0,8
Chernihiv	20,2	37,5	47,4	33,9	37,1	31,6	29,7	27,5
of which								
Chernihiv city	8,0	12,3	19,8	15,1	18,5	13,0	13,2	11,4
Nizhyn	1,2	1,6	1,0	1,1	1,1	1,0	1,3	1,1
Olyshivka	1,3	1,6	3,3	0,1	0,0	0,4	0,4	0,0
cities								
Kyiv	32,6	33,6	28,6	26,7	34,3	45,5	29,2	22,3
Sevastopol	2,6	4,2	4,0	...	...	...	...	...

¹ The Law of Ukraine *On the condemnation of Communist and National Socialist (Nazi) totalitarian regimes in Ukraine and the prohibition of their symbols* settlements whose names contain the symbols of the communist totalitarian regime, have been renamed

NATURAL RESOURCES AND ENVIRONMENT PROTECTION

10.10. Pollutant emissions and carbon dioxide into the atmosphere from stationary sources of pollution in 2019, by region

(thsd.t)

	Total pollutant emissions	Including							Besides emission of carbon dioxide, mln.t
		sulfur dioxide	nitrogen peroxide	methane	carbon oxide	nitrogen oxide	soot	non-methane volatile organic compounds	
Ukraine	2459,5	676,0	205,1	441,7	748,4	7,0	5,8	42,5	121,3
Autonomous Republic of Crimea	...	...	...	...	...	...	...	...	...
oblasts									
Vinnysya	99,7	52,5	9,7	10,9	7,2	0,1	0,5	2,5	5,4
Volyn	5,3	0,3	0,5	1,1	1,4	0,1	0,1	0,3	0,5
Dnipropetrovsk	576,9	48,2	28,3	128,2	303,4	3,0	0,1	1,9	23,5
Donetsk	773,5	222,7	42,5	132,9	293,9	0,4	0,5	0,7	23,5
Zhytomyr	12,7	0,7	1,6	3,5	2,3	0,0	0,1	0,5	0,7
Zakarpattya	3,7	0,2	0,9	0,8	1,3	0,0	0,1	0,2	0,3
Zaporizhzhya	173,4	76,8	28,1	0,7	53,1	0,1	0,4	1,9	13,7
Ivano-Frankivsk	205,0	136,1	15,2	8,1	4,1	0,8	0,0	5,1	12,9
Kyiv	84,4	33,3	8,7	8,3	9,1	0,2	0,5	2,1	4,8
Kirovohrad	12,8	0,8	1,0	2,1	2,8	0,0	0,1	1,1	0,9
Luhansk	37,4	9,9	5,0	2,0	11,2	0,0	0,1	0,6	2,4
Lviv	88,9	25,4	5,7	44,1	4,4	0,2	0,4	2,2	3,4
Mykolayiv	12,1	0,5	2,5	3,0	1,7	0,1	0,2	0,5	2,1
Odesa	33,1	1,5	1,2	19,3	3,7	0,0	0,4	1,0	1,2
Poltava	51,0	3,6	9,8	6,1	11,6	0,1	0,2	11,0	2,0
Rivne	9,9	0,4	3,3	0,6	1,3	1,4	0,1	0,4	2,1
Sumy	21,7	3,2	3,2	4,5	5,8	0,0	0,1	1,5	1,6
Ternopil	9,4	0,4	1,0	3,7	1,7	0,0	0,2	0,3	0,7
Kharkiv	106,5	41,4	10,2	14,8	13,9	0,2	0,4	2,9	7,6
Kherson	17,8	0,6	0,3	14,4	0,8	0,0	0,5	0,4	0,3
Khmelnyskiy	20,3	2,2	5,4	1,8	6,0	0,1	0,4	1,3	2,2
Cherkasy	51,8	5,1	10,2	18,3	2,6	0,1	0,2	0,8	2,6
Chernivtsi	2,4	0,3	0,3	0,3	0,5	0,0	0,1	0,5	0,1
Chernihiv	27,5	5,2	3,0	9,2	2,4	0,0	0,1	1,4	1,5
cities									
Kyiv	22,3	4,7	7,5	3,0	2,2	0,1	0,0	1,4	5,3
Sevastopol	...	...	...	...	...	...	...	...	...

NATURAL RESOURCES AND ENVIRONMENT PROTECTION

WASTES

10.11. Basic indicators for the generation and treatment of wastes¹

(thsd.t)

	2000	2005	2010		2015		2019	
			1 st -4 th hazard category	including 1 st -3 rd hazard category	1 st -4 th hazard category	including 1 st -3 rd hazard category	1 st -4 th hazard category	including 1 st -3 rd hazard category
Generation ²	2613,2	2411,8	425914,2	1659,9	312267,6	587,3	441516,5	553,0
including from economic activity	2613,2	2411,8	419191,8	1659,8	306214,3	587,1	435619,8	552,6
Collected, received from the outside	56,4	166,0	30015,1	259,6	22776,0	119,2	20322,7	90,3
Imported	...	6,3	4,1	0,0	3,4	2,5	22,0	3,6
Utilized	1376,2	863,4	145710,7	642,4	92463,7	314,5	108024,1	252,1
Burned off	...	71,4	1058,6	16,5	1134,7	5,8	1059,0	10,6
Transferred for utilization ³	646,2	2349,7	41822,9	985,2	8401,3	222,8	10798,5	228,0
Transferred for removal ³	...	...	...	...	14444,0	44,6	6885,4	29,2
Exported	...	32,3	281,3	26,6	675,4	1,0	260,6	2,2
Removed to special sites or facilities	760,6	948,5	313410,6	126,9	152295,0	78,6	238997,2	93,3
Placed on fly dumping ⁴	13,2	1,8	87,4	0,1	14,4	0,0	3,4	0,0
Lost (vaporization, drain, fires, etc)	...	106,6	1367,6	188,2	6,5	0,1	12,0	8,2
Accumulated during exploitation at sites for wastes removal end of year ⁵ , mln.t	26,2	21,7	13267,5	16,2	12505,9	12,1	15398,6	12,3
per 1 sq.km, t	43,5	35,9	21984,2	26,9	21692,8	20,9	26706,9	21,3

¹ Before 2010, data after wastes of 1st-3rd hazard category

² Before 2010, data from economic activity of enterprises and organisations, since 2010, including wastes received in households

³ Prior to 2010 inclusive, data on the general volume of wastes transferred to a third party (for utilization and removal) are presented

⁴ Prior to 2010 inclusive, data on wastes removed to the sites for unorganized storage are given

⁵ Prior to 2010 inclusive, data on the general volume of end of year wastes that were permanently and temporarily placed at specially allocated sites or objects of economically active enterprises and organisations are presented

NATURAL RESOURCES AND ENVIRONMENT PROTECTION

10.12. Generation of wastes, by hazard category¹

(thsd.t)

	2000	2005	2010	2015	2016	2017	2018	2019
Total	2613,2	2411,8	425914,2	312267,6	295870,1	366054,0	352333,9	441516,5
including								
1 st hazard category	13,8	12,6	5,0	2,0	2,3	1,9	1,7	1,8
2 nd hazard category	176,0	320,8	506,6	30,1	30,4	35,9	30,9	28,4
3 rd hazard category	2423,4	2078,4	1148,3	555,2	588,3	567,5	594,8	522,8
4 th hazard category	...	...	424254,3	311680,3	295249,1	365448,7	351706,5	440963,5

¹ See the second footnote to Table 10.11

10.13. Wastes accumulated during exploitation at sites for wastes removal, by hazard category¹

(end of year; thsd.t)

	2000	2005	2010	2015	2016	2017	2018	2019
Total	26244,1	21674,0	13267455,0	12505915,8	12393923,1	12442168,6	12972428,5	15398649,4
including								
1 st hazard category	149,1	38,6	25,8	14,8	15,9	15,2	14,7	14,7
2 nd hazard category	1685,2	1846,9	2270,7	278,3	277,4	278,0	278,0	279,1
3 rd hazard category	24409,8	19788,5	13939,8	11761,9	11809,1	11904,4	11924,5	12011,3
4 th hazard category	...	...	13251218,7	12493860,8	12381820,7	12429971,0	12960211,3	15386344,3

¹ See the fifth footnote to Table 10.11

NATURAL RESOURCES AND ENVIRONMENT PROTECTION

10.14. Generation of wastes, by category of materials

	2018		2019	
	thsd.t	percent of total	thsd.t	percent of total
Total	352333,9	100,0	441516,5	100,0
Used solvents	1,2	0,0	1,5	0,0
Wastes of acids, alkalis or salts	375,4	0,1	399,5	0,1
Used oils	14,6	0,0	14,4	0,0
Chemical wastes	806,1	0,2	620,4	0,1
Industrial drains sediments	3630,3	1,0	3346,1	0,8
Sludge and liquid waste treatment facilities	793,9	0,2	792,2	0,2
Waste products from medical service and biology	0,7	0,0	0,9	0,0
Iron and steel waste	3402,2	1,0	2801,4	0,6
Nonferrous waste	40,6	0,0	27,1	0,0
Mixed iron and steel, and nonferrous wastes	34,1	0,0	13,7	0,0
Glass wastes	41,9	0,0	19,8	0,0
Paper and cardboard wastes	146,4	0,1	129,5	0,0
Rubber wastes	21,9	0,0	19,5	0,0
Plastic wastes	47,2	0,0	50,3	0,0
Wood wastes	829,8	0,3	827,9	0,2
Textile wastes	15,9	0,0	12,4	0,0
Waste products containing polychlorinated biphenyl	0,2	0,0	0,3	0,0
Unusable equipment	9,7	0,0	5,9	0,0
Unusable vehicles	1,6	0,0	1,2	0,0
Waste products of accumulators and batteries	3,8	0,0	4,5	0,0
Animal waste and mixed food waste	607,5	0,2	441,0	0,1
Phytogenic waste	7829,3	2,2	8068,6	1,8
Animal excrements, stale and pus	3233,8	0,9	3612,9	0,8
Household and similar waste	6211,2	1,8	6618,0	1,5
Mixed and non-differentiated materials	9164,1	2,6	9940,3	2,3
Residues of sorting	63,6	0,0	69,2	0,0
Usual dreg	643,5	0,2	563,3	0,1
Mineral waste of construction and object demolition including mixed construction waste	1023,1	0,3	919,4	0,2
Burning out waste	13553,5	3,9	12661,5	2,9
Other mineral waste	273157,7	77,5	286785,6	65,0
Earth waste	451,7	0,1	1360,6	0,3
Barren rock from dredging work	26126,0	7,4	101361,9	23,0
Solidified, stabilized or vitrified waste; mineral waste generated after processing	51,4	0,0	25,7	0,0

NATURAL RESOURCES AND ENVIRONMENT PROTECTION

10.15. Wastes treatment in 2019, by category of materials

(thsd.t)

	Burned to receive energy	Burned without the receipt energy	Utilized	Removed into special sites or facilities
Total	960,0	99,0	108024,1	238997,2
Used solvents	0,0	0,8	0,0	—
Wastes of acids, alkalis or salts	0,2	4,7	98,5	271,6
Used oils	0,6	1,5	15,3	0,0
Chemical wastes	0,4	1,0	4,4	601,4
Industrial drains sediments	0,1	0,0	491,6	149,0
Sludge and liquid waste treatment facilities	0,0	0,1	73,0	720,4
Waste products from medical service and biology	—	0,8	0,1	0,0
Iron and steel waste	0,0	0,1	2129,9	13,1
Nonferrous waste	—	0,0	5,8	0,0
Mixed iron and steel, and nonferrous wastes	0,0	0,0	0,0	0,4
Glass wastes	0,0	0,0	5,9	0,4
Paper and cardboard wastes	0,1	0,3	0,0	3,2
Rubber wastes	0,0	0,0	1,9	0,2
Plastic wastes	0,0	0,3	15,3	2,5
Wood wastes	334,6	36,1	58,6	11,2
Textile wastes	0,1	0,1	1,1	1,6
Waste products containing polychlorinated biphenyl	—	0,1	—	0,0
Unusable equipment	0,0	0,0	1,5	0,1
Unusable vehicles	—	—	0,0	—
Waste products of accumulators and batteries	—	—	24,8	0,0
Animal waste and mixed food waste	0,0	11,7	230,8	2,3
Phytogenic waste	423,1	38,1	2361,1	17,3
Animal excrements, stale and pus	—	—	2407,0	30,0
Household and similar waste	198,5	1,0	0,1	7099,0
Mixed and non-differentiated materials	1,8	1,8	1488,9	6753,3
Residues of sorting	0,0	0,0	7,0	11,8
Usual dreg	—	0,0	132,3	104,3
Mineral waste of construction and object demolition including mixed construction waste	0,0	—	100,4	1510,2
Burning out waste	0,0	0,0	5490,5	6900,3
Other mineral waste	0,5	0,1	85221,9	148534,9
Earth waste	—	0,1	81,8	1239,6
Barren rock from dredging work	—	—	7574,5	65007,2
Solidified, stabilized or vitrified waste; mineral waste generated after processing	—	0,3	0,1	11,9

NATURAL RESOURCES AND ENVIRONMENT PROTECTION

10.16. Wastes generation by type of economic activity of enterprises and in households

(thsd.t)

	2015		2018		2019	
	I-IV hazard classes	of which I-III hazard classes	I-IV hazard classes	of which I-III hazard classes	I-IV hazard classes	of which I-III hazard classes
All types of economic activity	312267,6	587,3	352333,9	625,9	441516,5	553,0
Agriculture, forestry and fishing	8736,8	93,6	5968,1	53,1	6750,5	24,3
Mining and quarrying	257861,9	37,6	301448,9	39,5	390563,8	41,4
Manufacturing	31000,5	404,5	31523,2	472,9	30751,8	451,5
Electricity, gas, steam and air conditioning supply	6597,5	6,4	6322,7	20,4	5959,2	5,6
Water supply, sewerage, waste management and remediation	594,2	3,6	397,4	7,2	411,8	4,5
water collection, treatment and supply	397,6	0,4	212,8	4,6	211,0	0,6
sewerage, remediation activities	14,6	0,1	109,8	0,1	88,2	0,0
other waste management services	2,0	0,0	2,3	0,0	2,1	0,0
waste collection, treatment and disposal activities; materials recovery	180,0	3,1	72,5	2,5	110,5	3,9
Construction	376,2	1,1	378,8	1,7	188,7	3,0
Other type of economic activity	1047,2	40,3	751,3	22,4	994,0	22,3
Households	6053,3	0,2	5543,5	1,5	5896,7	0,4

NATURAL RESOURCES AND ENVIRONMENT PROTECTION

USE OF ENVIRONMENT, ECONOMIC INDICATORS

10.17. Capital investment and current costs for environmental protection

	2000	2005	2010	2015	2016	2017	2018	2019
Capital investment and current expenditure at actual prices, mln. UAH	3224,3	7089,2	13128,0	24591,1	32488,7	31492,0	34392,3	43735,9
including capital investment	605,9	1775,6	2761,5	7675,6	13390,5	11025,6	10074,3	16255,7
of which capital repair of fixed assets intended for nature protection purposes	233,3	312,3	498,0	484,9	612,6	1142,6	1214,5	1463,4
current costs	2618,4	5313,6	10366,5	16915,5	19098,2	20466,4	24318,0	27480,2
Share of costs for environmental protection out of the Central budget funds, percent								
capital investment	7,9	8,5	8,7	4,1	2,8	3,5	2,9	2,0
current costs	1,3	2,1	2,7	1,8	2,9	2,3	2,1	2,7

10.18. Capital investment for environmental protection, by purpose

(at current prices; mln. UAH)

	2010	2015	2016	2017	2018	2019
Total	2761,5	7675,6	13390,5	11025,6	10074,3	16255,7
By purpose						
air protection, climate change prevention	1139,9	1422,9	2502,8	2608,1	3505,9	4276,8
purification of waste waters	734,7	848,9	1160,0	1276,5	1692,6	1753,9
waste treatment	475,6	737,5	2208,7	2471,0	1182,1	5754,3
protection and restoration of soils, surface and subsurface water	319,9	388,3	420,0	1284,5	1444,3	1721,9
noise and vibration reduction	10,7	40,8	94,8	161,5	60,3	6,9
conservancy of biological diversity and habitat	19,5	22,4	49,6	177,3	73,4	211,6
radiation safety	1,6	4205,0	6944,0	3012,4	2036,5	2479,1
researches on environmental protection	7,6	2,1	2,4	3,8	5,7	10,0
other purposes of environmental protection activity	52,0	7,7	8,2	30,5	73,5	41,2

NATURAL RESOURCES AND ENVIRONMENT PROTECTION

10.19. Current expenditure for environmental protection, by purpose

(at current prices; mln. UAH)

	2010	2015	2016	2017	2018	2019
Total	10366,5	16915,5	19098,2	20466,4	24318,0	27480,2
By purpose						
air protection, climate change prevention	1314,8	1519,8	1760,6	2104,3	2897,7	2963,9
purification of waste waters	5035,4	6644,3	7800,1	8065,3	9623,5	10872,7
waste treatment	2599,6	6801,9	6719,6	7508,2	8830,2	10227,1
protection and restoration of soils, surface and subsurface water	476,3	1152,7	1197,2	983,8	1288,4	1583,9
noise and vibration reduction	0,6	67,6	267,2	534,9	217,8	29,2
conservancy of biological diversity and habitat	236,4	378,4	544,5	767,3	797,8	959,5
radiation safety	457,8	88,7	109,5	101,7	130,0	230,7
researches on environmental protection	57,6	46,7	56,2	85,4	118,5	117,0
other purposes of environmental protection activity	188,0	215,4	643,3	315,5	414,1	496,2

NATURAL RESOURCES AND ENVIRONMENT PROTECTION

10.20. Expenditure for environment protection in 2019, by type of economic activity

(at current prices; mln. UAH)

	Total	Including		
		capital investment		current expenditure
		total	of which expenditure for capital repair	
All types of economic activity	43735,9	16255,7	1463,4	27480,2
Agriculture, forestry and fishing	440,7	5,9	1,4	434,8
Mining and quarrying	9371,1	2136,2	334,7	7234,9
Processing industry	11677,7	4184,5	683,2	7493,2
including				
foodstuffs production	628,2	155,0	75,6	473,2
beverage production	49,9	2,4	—	47,5
paper and paper products production	291,6	13,9	—	277,7
coke and refined products production	1134,1	247,1	238,0	887,0
production of chemical substances and chemical products	1291,0	37,0	19,8	1254,0
metallurgical production	7261,3	3480,3	311,5	3781,0
machines and equipment production	133,0	17,9	13,7	115,1
Supply of electricity, gas, steam and conditioned air	9458,2	7780,2	55,4	1678,0
Water supply, sewerage, wastes treatment	9697,7	1239,8	252,7	8457,9
including				
water abstraction, purification and supply	5407,0	792,9	194,5	4614,1
sewerage, disposal and purification of sewage	1012,0	108,1	32,5	903,9
wastes collection, processing and removal; materials renewal	3219,9	337,9	24,8	2882,0
Construction	85,9	0,1	0,0	85,8
Wholesale and retail trade; repair of motor vehicles and motorcycles	142,6	24,9	—	117,7
Transport, warehousing, mail and courier activity	819,0	64,0	1,6	755,0
Professional, scientific and technical activity	318,8	77,9	8,8	240,9
Activity in the sphere of administrative and supporting servicing	280,2	4,1	0,2	276,1
State administration and defence; compulsory social insurance	517,4	339,2	83,7	178,2
Arts, entertainment and recreation	496,9	172,6	5,0	324,3
Other type of economic activity	429,7	226,3	—	203,4

11. NATIONAL ACCOUNTS

The System of National Accounts (SNA) is a set of interconnected, consistent, and integrated macroeconomic accounts, balance sheets, and tables based on internationally agreed terms, definitions, classifications and accounting rules. National accounts information is used to analyse the state of the economy and to shape economic policy.

The compilation national accounts of Ukraine is carried out on the basis of international standards of the United Nations System of National Accounts 2008 and Regulation (EU) of 21.05.2013 № 549/2013 of the European Parliament and Council on the European System of National and Regional Accounts 2010.

National accounts are compiled by institutional sectors of the economy according to the Classification Institutional Sectors Economy.

Gross domestic product (GDP) is the integrated indicator of the country's economic development that characterizes the result of production activity of residents within the country's economic territory. It is measured through the total value of goods and services produced by them for final use. It is calculated by three methods: production, income categories and final use categories. Since 2010, the estimates of the GVA have been compiled by type of economic activity (*State Classifier 009:2010*).

Production method of calculating GDP is characterised by output, intermediate consumption, gross domestic product (gross value added).

Output is the total volume of products resulting from the production activity of resident units over the reference period.

Intermediate consumption is goods and services consumed as resources during the production process apart from fixed assets the usage of which is taken into account as fixed capital consumption.

Gross value added (GVA) equals to the difference between the output and intermediate consumption. It is also defined as the sum of primary income obtained as a result

of participation in the production process: labour remuneration of employees, other taxes less other subsidies related to production, and gross operating surplus, mixed income.

The national accounts use two data levels and two estimation methods. For the economy as a whole, the results are measured by the output of goods and services and gross domestic product, while for the sectors and types of economic activities by output at basic prices and gross value added.

Taxes on products are the taxes which are due to be paid for unit of goods or services being produced or sold.

Subsidies on products are current payments which general government provide to resident producers per unit of the produced goods or services.

Income generation at the level of the GDP is characterised by the following indicators: labour remuneration of employees, taxes and subsidies on production and imports (at the level of the GVA by other taxes and subsidies related to production) and the gross (net) operating surplus.

Labour remuneration of employees is the remuneration in cash or in kind paid by employer to employee for the work done over the reference period. It includes wages and salaries; actual contributions of employers to the social insurance; imputed contributions of employers for social insurance.

Wages and salaries cover all types of labour remuneration including bonuses, premiums, additional payments in cash or in kind.

Actual contributions of employers to the social insurance consist of payments made by entities to the Pension Fund, the Social Insurance Fund and the Fund for compulsory state social insurance against unemployment.

Imputed contributions of employers to social insurance is the equivalent of social welfare paid by employers directly to their employees, former employees or their dependents who have the right to it. It is paid from own funds excluding the involvement of a third party.

Taxes on production and imports are payments charged by general government taking into account the volumes of production and imports of goods and services, employment of labour force, possession or usage of land plots, buildings or other assets in production. They are classified into taxes on products and other taxes related to production.

Subsidies on production and imports are current payments which general government make in favour of resident producers. They are classified into subsidies on products and other subsidies related to production.

Other taxes related to production are made by enterprises due to production activity regardless of the number or value of the produced or sold goods and services. Other taxes related to production can be charged on land plots, fixed assets, involvement of employees, certain types of activity or transactions.

Other subsidies related to production are subsidies that exclude the subsidies on products that resident producers obtain as a result of their participation in production.

Gross (net) operating surplus reflects the primary income obtained by corporations as a result of their participation in the production process before deducting the interests from it or other income from property.

Mixed income – reflects the primary income received by unincorporated enterprises in the household sector, in the composition of which it is impossible to

separate wages from the profits of the owner or entrepreneur.

The method of calculating GDP by categories of final use is characterized by indicators: final consumer spending, gross accumulation, balance of exports–imports of goods and services.

Final consumer expenditures are the expenditures of resident institutional units for the purchase of goods and services that are used to meet individual or collective needs.

Gross fixed capital formation is the purchase by resident producers, less disposals, of fixed assets over the reference period including an increase in value of non-produced assets obtained due to production activity of entrepreneurs or institutional units.

The exports/imports balance of goods and services is defined as a difference between exports and imports of goods and services.

The table "input-output" in consumer prices gives a detailed description of the processes of reproduction and the relationship between economic activities in the production and use of goods and services. It details the indicators of accounts of goods and services, production, formation and use of income, capital.

Gross regional product (GRP) is an integrated indicator of economic development of Ukraine's regions which characterizes the result of residents' production activity within region's economic territory and is measured by the total value of goods and services produced by them for final usage.

NATIONAL ACCOUNTS

11.1. Gross domestic product (GDP)

	At current prices		Volume indices			Deflator indices
	gross domestic product	per capita gross domestic product	gross domestic product	per capita gross domestic product	gross domestic product	gross domestic product
	mln. UAH	UAH	at the prices of the previous year, percent		as a percentage of 2016	as a percentage of the previous year
2010	1120585	24429	104,1	104,5	113,7	113,7
2015	1988544	46413	90,2	90,6	97,6	138,9
2016	2385367	55899	102,4	102,9	100,0	117,1
2017	2983882	70233	102,5	102,9	102,5	122,1
2018	3560596	84235	103,4	103,9	106,0	115,4

11.2. GDP production and distribution, by type of economic activity

(at current prices; mln. UAH)

	Year	Output	Inter-mediate consumption	Gross value added	Of which		
					labour remuneration of employees	taxes, less subsidies on production	gross operating surplus, mixed income
Agriculture, forestry and fishing	2010	195390	112442	82948	17896	-305	65357
	2015	558788	318982	239806	35131	1389	203286
	2016	655569	375868	279701	40834	312	238555
	2017	727352	423403	303949	54657	-3274	252566
	2018	871971	510798	361173	74229	-187	287131
Mining and quarrying	2010	119911	55837	64074	34536	-5801	35339
	2015	186194	91053	95141	34219	-385	61307
	2016	253770	122120	131650	39644	-1427	93433
	2017	344157	166987	177170	50939	-1732	127963
	2018	415497	201237	214260	62668	-2113	153705
Manufacturing	2010	810843	664094	146749	95678	2693	48378
	2015	1206047	969355	236692	132968	6563	97161
	2016	1458786	1167315	291471	137331	3434	150706
	2017	1805097	1445230	359867	186003	3490	170374
	2018	2060485	1649018	411467	231364	1801	178302
Electricity, gas, steam, and air-conditioning supply	2010	98052	66298	31754	22387	294	9073
	2015	176768	123383	53385	32641	-3649	24393
	2016	242236	168427	73809	36899	-373	37283
	2017	283985	198015	85970	43444	-1165	43691
	2018	367726	255870	111856	52791	-817	59882

NATIONAL ACCOUNTS

Table 11.2 continued

	Year	Output	Inter- mediate consump- tion	Gross value added	Of which		
					labour remuneration of employees	taxes, less subsidies on production	gross operating surplus, mixed income
Water supply, sewerage, waste management and remediation	2010	25318	17121	8197	6977	-28	1248
	2015	26982	19058	7924	8028	-869	765
	2016	30680	22178	8502	7944	-355	913
	2017	37104	27224	9880	9779	-584	685
	2018	44362	32968	11394	11355	-1053	1092
Construction	2010	137118	100470	36648	18028	547	18073
	2015	188595	149667	38928	20060	1612	17256
	2016	240327	192870	47457	22419	529	24509
	2017	326496	262065	64431	31614	648	32169
	2018	428010	346751	81259	41595	869	38795
Wholesale and retail trade; repair of motor vehicles and motorcycles	2010	295912	133741	162171	68291	3503	90377
	2015	549163	275174	273989	101419	3969	168601
	2016	645171	327096	318075	115838	3114	199123
	2017	832350	422356	409994	153059	3732	253203
	2018	958380	486536	471844	195824	4074	271946
Transport and storage, postal and courier activities	2010	169526	82257	87269	46914	848	39507
	2015	295634	160656	134978	73271	1289	60418
	2016	341938	185193	156745	81551	-284	75478
	2017	420484	229275	191209	113473	-1115	78851
	2018	503326	276070	227256	150596	-1068	77728
Accommodation and food service activities	2010	22579	12474	10105	5250	213	4642
	2015	25458	13512	11946	5858	310	5778
	2016	32637	17086	15551	6724	277	8550
	2017	37737	19010	18727	7805	425	10497
	2018	50183	25071	25112	9827	581	14704
Information and communication	2010	69614	35966	33648	17432	-342	16558
	2015	142223	69627	72596	26268	2856	43472
	2016	182886	93618	89268	29621	246	59401
	2017	225659	115363	110296	37074	1570	71652
	2018	287068	148240	138828	47536	1942	89350

NATIONAL ACCOUNTS

Table 11.2 continued

	Year	Output	Inter- mediate consump- tion	Gross value added	Of which		
					labour remuneration of employees	taxes, less subsidies on production	gross operating surplus, mixed income
Financial and insurance activities	2010	100995	38386	62609	28408	786	33415
	2015	107764	40252	67512	26996	1769	38747
	2016	107615	42170	65445	30797	2029	32619
	2017	121142	39773	81369	37211	2382	41776
	2018	149615	51808	97807	47274	2436	48097
Real estate activities	2010	93713	33693	60020	10643	389	48988
	2015	176078	53057	123021	15976	742	106303
	2016	208144	62160	145984	16129	635	129220
	2017	238141	66467	171674	19189	625	151860
	2018	285495	79410	206085	23300	885	181900
Professional, scientific and technical activities	2010	55207	27454	27753	17687	502	9564
	2015	107124	51335	55789	29001	1605	25183
	2016	135141	66681	68460	32351	918	35191
	2017	171630	85093	86537	45942	1079	39516
	2018	224773	111419	113354	58543	1393	53418
Administrative and support service activities	2010	25492	13256	12236	6824	106	5306
	2015	43370	21746	21624	14724	789	6111
	2016	59338	29754	29584	17863	357	11364
	2017	70820	35349	35471	22716	472	12283
	2018	97358	48787	48571	29044	604	18923
Public administration and defence, compulsory social security	2010	74783	21329	53454	49052	62	4340
	2015	147578	52493	95085	86329	118	8638
	2016	182158	59093	123065	111927	74	11064
	2017	236970	73172	163798	148689	65	15044
	2018	295852	83063	212789	192600	69	20120
Education	2010	84197	28471	55726	50577	96	5053
	2015	119928	37150	82778	74753	130	7895
	2016	132745	43749	88996	78640	84	10272
	2017	180011	46798	133213	120015	100	13098
	2018	214113	55493	158620	142888	146	15586

NATIONAL ACCOUNTS

Table 11.2 continued

	Year	Output	Inter- mediate consump- tion	Gross value added	Of which		
					labour remuneration of employees	taxes, less subsidies on production	gross operating surplus, mixed income
Human health and social work activities	2010	63527	22070	41457	35515	-375	6317
	2015	88636	37156	51480	43041	339	8100
	2016	99304	40446	58858	49065	-31	9824
	2017	131970	55830	76140	63889	-114	12365
	2018	158857	81727	77130	69475	68	7587
Arts, entertainment and recreation	2010	10459	4068	6391	5225	-539	1705
	2015	20436	8079	12357	10181	-2328	4504
	2016	23155	9601	13554	10622	-2657	5589
	2017	28264	10888	17376	14626	-4096	6846
	2018	34034	13659	20375	17708	-4985	7652
Other services	2010	13787	4821	8966	3331	280	5355
	2015	22475	8119	14356	6782	505	7069
	2016	26694	9641	17053	7630	323	9100
	2017	36028	13538	22490	10623	443	11424
	2018	46364	17354	29010	13704	580	14726
Total (at basic prices)	2010	2466423	1474248	992175	540651	2929	448595
	2015	4189241	2499854	1689387	777646	16754	894987
	2016	5058294	3035066	2023228	873829	7205	1142194
	2017	6255397	3735836	2519561	1170747	2951	1345863
	2018	7493469	4475279	3018190	1472321	5225	1540644
Taxes, less subsidies on products	2010	128410	×	128410	×	128410	×
	2015	299157	×	299157	×	299157	×
	2016	362139	×	362139	×	362139	×
	2017	464321	×	464321	×	464321	×
	2018	542406	×	542406	×	542406	×
Gross domestic product	2010	2594833	1474248	1120585	540651	131339	448595
	2015	4488398	2499854	1988544	777646	315911	894987
	2016	5420433	3035066	2385367	873829	369344	1142194
	2017	6719718	3735836	2983882	1170747	467272	1345863
	2018	8035875	4475279	3560596	1472321	547631	1540644

NATIONAL ACCOUNTS

11.3. GVA structure, by type of economic activity in volume of GDP

(at current prices; percent)

	2010	2015	2016	2017	2018
Agriculture, forestry and fishing	7,4	12,1	11,7	10,2	10,1
Mining and quarrying	5,7	4,8	5,5	5,9	6,0
Manufacturing	13,0	11,9	12,2	12,1	11,6
Electricity, gas, steam, and air-conditioning supply	2,8	2,7	3,1	2,9	3,1
Water supply, sewerage, waste management and remediation	0,7	0,4	0,4	0,3	0,3
Construction	3,3	1,9	2,0	2,2	2,3
Wholesale and retail trade; repair of motor vehicles and motorcycles	14,5	13,8	13,3	13,7	13,2
Transport and storage, postal and courier activities	7,8	6,8	6,6	6,4	6,4
Accommodation and food service activities	0,9	0,6	0,7	0,6	0,7
Information and communication	3,0	3,6	3,7	3,7	3,9
Financial and insurance activities	5,6	3,4	2,7	2,7	2,7
Real estate activities	5,3	6,2	6,1	5,7	5,8
Professional, scientific and technical activities	2,5	2,8	2,9	2,9	3,2
Administrative and support service activities	1,1	1,1	1,2	1,2	1,4
Public administration and defence, compulsory social security	4,8	4,8	5,2	5,5	6,0
Education	5,0	4,2	3,7	4,5	4,5
Human health and social work activities	3,7	2,6	2,5	2,5	2,2
Arts, entertainment and recreation	0,6	0,6	0,6	0,6	0,6
Other services	0,8	0,7	0,7	0,8	0,8
Total (at basic prices)	88,5	85,0	84,8	84,4	84,8
Taxes on products	11,7	15,2	15,4	15,9	15,4
Subsidies on products	-0,2	-0,2	-0,2	-0,3	-0,2
Gross domestic product	100,0	100,0	100,0	100,0	100,0

11.4. GDP structure, by income category

(percent)

	2010	2015	2016	2017	2018
Gross domestic product	100,0	100,0	100,0	100,0	100,0
Labour remuneration of employees	48,2	39,1	36,6	39,2	41,3
Taxes less subsidies on production and imports	11,8	15,9	15,5	15,7	15,4
on products	11,5	15,0	15,2	15,6	15,3
other, related to production	0,3	0,9	0,3	0,1	0,1
Gross operating surplus, mixed income	40,0	45,0	47,9	45,1	43,3

NATIONAL ACCOUNTS

11.5. GDP, by category of final use

(at current prices)

	2010	2015	2016	2017	2018
Mln. UAH					
Gross domestic product	1120585	1988544	2385367	2983882	3560596
Final consumption expenditure	946270	1723629	2032328	2618126	3209292
households	717509	1331526	1569702	1977640	2438778
non-profit institutions serving households	8379	15788	18899	23865	30977
general government	220382	376315	443727	616621	739537
individual consumption expenditure	143663	220859	251661	358480	415216
collective consumption expenditure	76719	155456	192066	258141	324321
Gross fixed capital formation	201887	269422	368691	470327	628296
Changes in inventories	3616	47231	148581	124730	32721
Acquisition, less disposal of valuables	375	188	929	137	784
Exports of goods and services	520585	1045928	1175953	1432690	1609365
Imports of goods and services	-552148	-1097854	-1341115	-1662128	-1919862
Percent of total					
Gross domestic product	100,0	100,0	100,0	100,0	100,0
Final consumption expenditure	84,4	86,7	85,2	87,7	90,1
households	64,0	67,0	65,8	66,3	68,5
non-profit institutions serving households	0,7	0,8	0,8	0,8	0,9
general government	19,7	18,9	18,6	20,6	20,7
individual consumption expenditure	12,8	11,1	10,6	12,0	11,7
collective consumption expenditure	6,9	7,8	8,0	8,6	9,0
Gross fixed capital formation	18,1	13,5	15,5	15,8	17,7
Changes in inventories	0,3	2,4	6,2	4,2	0,9
Acquisition, less disposal of valuables	0,0	0,0	0,0	0,0	0,0
Exports of goods and services	46,5	52,6	49,3	48,0	45,2
Imports of goods and services	-49,3	-55,2	-56,2	-55,7	-53,9

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11.6. Integrated table of

Accounts	Uses										
	Total	Goods and services (resources)	Rest of the world	Total economy	Non-profit institutions serving households	Households	General government	Financial corporations	Non-financial corporations	Transactions and balancing items	
Production account / External goods and services account	1919862	1919862								Import of goods and services	
	1609365		1609365							Export of goods and services	
	7493469	7493469								Output (at basic prices)	
	4475279			4475279	11964	417951	234782	50683	3759899	Intermediate consumption	
	550472	550472								Taxes on products	
	-8066	-8066								Subsidies on products	
											Gross value added / gross domestic product¹
	3018190			3018190	15982	678455	483689	95183	1744881		Consumption of fixed capital
	-431252			-431252	-2352	-64793	-62980	-8800	-292327		Net value added / net domestic product
	2586938			2586938	13630	613662	420709	86383	1452554		External balance of goods and services
310497		310497									
Generation of income account	1784864		312543	1472321	13197	31628	420542	47052	959902	Compensation of employees	
	576038		—	576038	433	9969	167	2436	12561	Taxes on production and imports	
	550472			550472						taxes on products	
	25566		—	25566	433	9969	167	2436	12561	other taxes on production	
	-28407			-28407	—	—	—	—	-20341	Subsidies on production and imports	
	-8066			-8066						subsidies on products	
	-20341			-20341	—	—	—	—	-20341	other subsidies on products	
	1540644			1540644	2352	636858	62980	45695	792759	Gross operating surplus, mixed income	
	1109392			1109392	0	572065	0	36895	500432	Net operating, mixed income	
	623455		10045	613410	0	29975	117351	109695	356389	Property income	
3651751			3651751	3348	2482911	589085	121785	454622	Gross balance of primary income / gross national income		
3220499			3220499	996	2418118	526105	112985	162295	Net balance of primary income / net national income		

NATIONAL ACCOUNTS

national accounts for 2018

(mln. UAH)

Resources										
Transactions and balancing items	Non-financial corporations	Financial corporations	General government	Households	Non-profit institutions serving households	Total economy	Rest of the world	Goods and services (resources)	Total	Accounts
Import of goods and services							1919862		1919862	Production account / External goods and services account
Export of goods and services								1609365	1609365	
Output (at basic prices)	5504780	145866	718471	1096406	27946	7493469			7493469	
Intermediate consumption								4475279	4475279	
Taxes on products			550472			550472			550472	
Subsidies on products			-8066			-8066			-8066	
Gross value added / gross domestic product¹	1744881	95183	483689	678455	15982	3018190			3018190	Generation of income account
Consumption of fixed capital										
Net value added / net domestic product										
External balance of goods and services							310497		310497	
Compensation of employees				1784864		1784864	...		1784864	Allocation of primary income account
Taxes on production and imports			576038			576038			576038	
taxes on products			550472			550472			550472	
other taxes on production			25566			25566			25566	
Subsidies on production and imports			-28407			-28407			-28407	
subsidies on products			-8066			-8066			-8066	
other subsidies on products			-20341			-20341			-20341	
Gross operating surplus, mixed income	792759	45695	62980	636858	2352	1540644			1540644	
Net operating, mixed income										
Property income	18252	185785	95825	91164	996	392022	231433		623455	
Gross balance of primary income / gross national income	454622	121785	589085	2482911	3348	3651751			3651751	Secondary distribution of income account
Net balance of primary income / net national income										

NATIONAL ACCOUNTS

Accounts	Uses									
	Total	Goods and services (resources)	Rest of the world	Total economy	Non-profit institutions serving households	Households	General government	Financial corporations	Non-financial corporations	Transactions and balancing items
Secondary distribution of income account	361615		5701	355914		248511	—	3787	103616	Current taxes on income, wealth, etc
	262776			262776		258412			4364	Social contributions
	465558			465558	648		445899	606	18405	Social benefits other than social transfers in kind
	479928		150622	329306	—	50811	150664	91344	36487	Other current transfers
	3751096			3751096	33889	2534840	804336	50001	328030	Gross disposable income
3319844			3319844	31537	2470047	741356	41201	35703	Net disposable income	
Redistribution of income in kind account	446193			446193	30977		415216			Social transfers in kind
	3751096			3751096	2912	2981033	389120	50001	328030	Gross adjusted disposable income
	3319844			3319844	560	2916240	326140	41201	35703	Net adjusted disposable income
Use of disposable income account										Gross disposable income
	278		—	278	—	—	—	278	—	Adjustment for the change in net equity of households in non-government pension funds
	3209292			3209292	30977	2438778	739537			Final consumption expenditure individual consumption expenditure collective consumption expenditure
	2884971			2884971	30977	2438778	415216			
	324321			324321			324321			
	541804			541804	2912	96340	64799	49723	328030	Gross saving
110552			110552	560	31547	1819	40923	35703	Net saving	
Use of adjusted disposable income account										Gross adjusted disposable income
	278		—	278	—	—	—	278	—	Adjustment for the change in net equity of households in non-government pension funds
	3209292			3209292		2884971	324321			Actual final consumption actual individual final consumption actual collective final consumption
	2884971			2884971		2884971				
	324321			324321			324321			
	541804			541804	2912	96340	64799	49723	328030	Gross saving
110552			110552	560	31547	1819	40923	35703	Net saving	
119997		119997							Current external balance	

NATIONAL ACCOUNTS

Table 11.6 continued

Resources										
Transactions and balancing items	Non-financial corporations	Financial corporations	General government	Households	Non-profit institutions serving households	Total economy	Rest of the world	Goods and services (resources)	Total	Accounts
Current taxes on income, wealth, etc			345608			345608	16007		361615	
Social contributions	18419	606	243103		648	262776			262776	
Social benefits other than social transfers in kind				465498		465498	60		465558	
Other current transfers	17861	23347	223103	144165	30541	439017	40911		479928	
Gross disposable income	328030	50001	804336	2534840	33889	3751096			3751096	Redistribution of income in kind account
Net disposable income										
Social transfers in kind				446193		446193			446193	
Gross adjusted disposable income										
Net adjusted disposable income										
Gross disposable income	328030	50001	804336	2534840	33889	3751096			3751096	Use of disposable income account
Adjustment for the change in net equity of households in non-government pension funds	—	—	—	278	—	278	—		278	
Final consumption expenditure								3209292	3209292	
individual consumption expenditure								2884971	2884971	
collective consumption expenditure								324321	324321	
Gross saving										
Net saving										
Gross adjusted disposable income	328030	50001	389120	2981033	2912	3751096			3751096	Use of adjusted disposable income account
Adjustment for the change in net equity of households in non-government pension funds	—	—	—	278	—	278	—		278	
Actual final consumption										
actual individual final consumption										
actual collective final consumption										
Gross saving										

NATIONAL ACCOUNTS

Accounts										Uses	
	Total	Goods and services (resources)	Rest of the world	Total economy	Non-profit institutions serving households	Households	General government	Financial corporations	Non-financial corporations	Transactions and balancing items	
Capital account										Net saving	
										Current external balance	
										Capital transfers, receivable	
										Capital transfers, payable	
										Gross fixed capital formation	
		628296		628296	1808	46319	118575	10215	451379		
		-431252		-431252	-2352	-64793	-62980	-8800	-292327	Consumption of fixed capital	
		32721		32721	-75	-541	-3577	1897	35017	Changes in inventories	
		784		784	—	791	11	-18	—	Acquisitions less disposals of valuables	
		0		744	-744	-6784	127	5913	Acquisitions less disposals of non-produced non-financial assets
	0		118979	-118979	3329	54436	-67181	37453	-147016	Net lending (+), net borrowing (-)	
Financial account										Statistical discrepancy	
		0		58324	-58324				-58324	Monetary gold and SDRs	
		203266		-14352	217618	3710	87442	-6068	82861	49673	Currency and deposits
		114768		58817	55951		3399	-940	35657	17835	Debt securities
		115169		50480	64689		-798	-1378	66872	-7	Loans
		61452		53278	8174	—	3039	324	-7879	12690	Equity and investment fund shares or units
		5247		-317	5564	...	2522		1110	1932	Insurance, pension and standardized guaranteed schemes
		56		...	56	56	Financial derivatives and employee stock
		549860		43445	506415	4	-739	16187	27943	463020	Other accounts receivable / payable

¹ The indicator for a total economy differs from the same indicator calculated as a sum of sectors by the volume of taxes excluding subsidies on products

NATIONAL ACCOUNTS

Table 11.6 continued

Resources										
Transactions and balancing items	Non-financial corporations	Financial corporations	General government	Households	Non-profit institutions serving households	Total economy	Rest of the world	Goods and services (resources)	Total	Accounts
Net saving	35703	40923	1819	31547	560	110552			110552	Capital account
Current external balance							119997		119997	
Capital transfers, receivable	28349	—	9031	4665	2150	44195	0		44195	
Capital transfers, payable	-11086	-49	-32786	...	—	-43921	-274		-44195	
Gross fixed capital formation								628296	628296	
Consumption of fixed capital										
Changes in inventories								32721	32721	
Acquisitions less disposals of valuables								784	784	
Acquisitions less disposals of non-produced non-financial assets										
Net lending (+), net borrowing (-)	-147016	37453	-67181	54436	3329	-118979	118979		0		Financial account
Statistical discrepancy	-47227	688	-1545	0	-164	-48248	48248		0	
Monetary gold and SDRs										
Currency and deposits		53337				53337	149929		203266	
Debt securities	14056	4057	67765			85878	28890		114768	
Loans	88743	11586	-15261	30092	200	115360	-191		115169	
Equity and investment fund shares or units	56723	4701				61424	28		61452	
Insurance, pension and standardized guaranteed schemes		4137				4137	1110		5247	
Financial derivatives and employee stock	56	...	...	...	...	56	...		56
Other accounts receivable / payable	485410	33657	21257	10337	21	550682	-822		549860	

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11.7. Input-output

	Intermediate						
	agriculture, forestry and fishing	mining and quarrying	manufacturing	electricity, gas, steam and air-conditioning supply	water supply, sewerage, waste management and remediation	construction	wholesale and retail trade; repair of motor vehicles and motorcycles
Agriculture, forestry and fishing	225539	414	215553	525	26	233	34950
Mining and quarrying	6444	28484	289803	161266	510	17420	8949
Manufacturing	197188	87334	855078	39945	12035	184654	106735
Electricity, gas, steam and air-conditioning supply	17898	38356	105240	29603	7583	2763	17020
Water supply, sewerage, waste management and remediation	514	402	3521	7725	1547	697	731
Construction	2361	3426	7591	1370	406	108417	6286
Wholesale and retail trade; repair of motor vehicles and motorcycles	112268	44735	635532	876	2389	6825	106223
Transportation and storage, postal and courier activities	37251	35073	145450	872	914	1701	37565
Accommodation and food service activities	178	61	369	51	3	92	496
Information and communication	731	564	7669	1282	550	1233	19981
Financial and insurance activities	6337	5375	17575	3715	1686	2754	37100
Real estate activities	1330	2812	14180	3038	691	1465	45996
Professional, scientific and technical activities	8880	9771	28873	2119	1898	14752	48163
Administrative and support service activities	5138	4606	5182	501	1527	2535	6748
Public administration and defence, compulsory social security	1077	1265	5310	2582	836	739	5819
Education	34	178	295	85	33	60	385
Human health and social work activities	68	321	583	116	150	265	224
Arts, entertainment and recreation	31	25	409	35	17	11	391
Other services	152	119	376	164	167	135	2774
Intermediate consumption	623419	263321	2338589	255870	32968	346751	486536
Labour remuneration of employees	74229	62668	231364	52791	11355	41595	195824
Taxes on production and imports	15729	15649	383389	21882	2195	22678	8483
Subsidies on production and imports	-3161	-5235	-2507	-5336	-1842	-37	
Gross operating surplus, mixed income	287131	153705	178302	59882	1092	38795	271946
Gross domestic product	373928	226787	790548	129219	12800	103031	476253
Output	997347	490108	3129137	385089	45768	449782	962789

NATIONAL ACCOUNTS

at consumer prices in 2018¹

(mln. UAH)

consumption

transportation and storage, postal and courier activities	accommodation and food service activities	information and communication	financial and insurance activities	real estate activities	professional, scientific and technical activities	administrative and support service activities	public administration and defence, compulsory social security	education	human health and social work activities	arts, entertainments and recreation	other services	total consumed
4949	4157	4		345	63	591	3557	3749	1548	65	37	496305
45402	637	112	1	176	351	2115	2469	3717	1338	472	339	570005
107869	7735	13902	4709	9910	20990	9423	40437	6641	37979	1717	5371	1749652
25865	3093	4070	26	51	2053	3260	7145	11537	6707	1771	1385	285426
408	269	24	4	1070	80	1949	330	354	328	65	150	20168
5948	607	3995	62	13601	5439	1501	7117	217	674	88	399	169505
12205	954	6954	2370	2819	8087	2864	1154	4133	3843	420	309	954960
30194	125	686	138	294	1513	1049	3582	594	465	449	162	298077
141	608	156	7	23	735	759	940	29	106	716	23	5493
3411	614	95243	1308	1331	17462	2517	4657	3305	2676	1492	1212	167238
5993	842	2857	27565	7407	11192	1573	1982	2064	3443	265	641	140366
3742	1899	7356	4329	17016	26382	1466	163	542	2518	344	621	135890
9504	1611	7709	9715	14613	14049	6149	6048	5244	3189	1114	1392	194793
17530	1407	2673	1336	9657	400	13000		2634	2176	1739	1429	80218
1740	218	323	184	692	589	346	652	3824	1642	538	86	28462
203	14	121	15	35	369	59	337	6599	207	7	6	9042
475	66	116	3	13	60	25	531	12	11983	55	11	15077
178	101	1710		160	920	32	1962	175	163	2241	3458	12019
313	114	229	36	197	685	109		123	742	101	323	6859
276070	25071	148240	51808	79410	111419	48787	83063	55493	81727	13659	17354	5339555
150596	9827	47536	47274	23300	58543	29044	192600	142888	69475	17708	13704	1472321
18898	3098	15227	8374	35812	7358	6503	69	3765	4199	1433	1297	576038
-3575		-492		-134	-68	-723			-165	-5132		-28407
77728	14704	89350	48097	181900	53418	18923	20120	15586	7587	7652	14726	1540644
243647	27629	151621	103745	240878	119251	53747	212789	162239	81096	21661	29727	3560596
519717	52700	299861	155553	320288	230670	102534	295852	217732	162823	35320	47081	8900151

NATIONAL ACCOUNTS

Table 11.7 continued

	Final consumption expenditure			Gross fixed capital formation			Exports of goods and services	Imports of goods and services	Product use
	households	NPISHs	general government	gross fixed capital formation	changes in inventories	acquisition less disposal of valuable			
Agriculture, forestry and fishing	244414		4070	3221	24979		277789	-53431	997347
Mining and quarrying	30264		9183		2601		100230	-222175	490108
Manufacturing	1515539	3795	8344	326343	5066	595	870875	-1351072	3129137
Electricity, gas, steam and air-conditioning supply	36741		53055				11426	-1559	385089
Water supply, sewerage, waste management and remediation	5334		19884				1787	-1405	45768
Construction	3374			273656	528		4202	-1483	449782
Wholesale and retail trade; repair of motor vehicles and motorcycles	10267		31				1637	-4106	962789
Transportation and storage, postal and courier activities	108668		49888				171445	-108361	519717
Accommodation and food service activities	73018						6556	-32367	52700
Information and communication	56879		1407	9847			104404	-39914	299861
Financial and insurance activities	29216						3836	-17865	155553
Real estate activities	183527	2462	262	5029			1749	-8631	320288
Professional, scientific and technical activities	5206		11170	9904	-453		32695	-22645	230670
Administrative and support service activities	31517		1087				9761	-20049	102534
Public administration and defence, compulsory social security	1163		274863				669	-9305	295852
Education	29034	664	179216				184	-408	217732
Human health and social work activities	34508	5762	109421				621	-2566	162823
Arts, entertainment and recreation	16244	369	17632			189	2951	-14084	35320
Other services	23865	17925	24	296			6548	-8436	47081
Total	2438778	30977	739537	628296	32721	784	1609365	-1919862	8900151

¹ The table is aggregated

NATIONAL ACCOUNTS

11.8. Gross regional product

(at current prices; mln. UAH)

	2010	2015	2016	2017	2018
Ukraine	1082569	1988544	2385367	2983882	3560596
Autonomous Republic of Crimea	32426	...	...	...	...
oblasts					
Vinnnytsya	23589	59871	74411	92427	111498
Volyn	14429	31688	35744	51972	60448
Dnipropetrovsk	116136	215206	244478	313830	369468
Donetsk	128986	115012	137500	166404	192256
Zhytomyr	18743	38425	47919	61470	77110
Zakarpattya	15299	28952	32390	43043	52445
Zaporizhzhya	42736	89061	104323	130377	147076
Ivano-Frankivsk	20446	45854	51404	63850	78443
Kyiv	44953	104030	128638	157043	198160
Kirovohrad	15749	38447	46021	53031	64436
Luhansk	45541	23849	31356	30285	35206
Lviv	41655	94690	114842	147404	177243
Mykolayiv	24055	48195	57815	69371	79916
Odesa	53878	99761	119800	149530	173241
Poltava	44291	95867	116272	150904	174147
Rivne	15882	35252	39469	48836	56842
Sumy	18333	41567	46287	56530	68489
Ternopil	12726	26656	31072	40747	49133
Kharkiv	65293	124843	154871	187454	233321
Kherson	15649	32215	38743	47868	55161
Khmelnyskiy	18096	41088	48859	63882	75646
Cherkasy	22354	50843	59412	73176	93315
Chernivtsi	9892	18506	21239	28591	33903
Chernihiv	17008	36966	43362	56672	70624
cities					
Kyiv	196639	451700	559140	699185	833069
Sevastopol	7785

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11.9. Share of gross regional product in the general total

(percent)

	2010	2015	2016	2017	2018
Ukraine	100,0	100,0	100,0	100,0	100,0
Autonomous Republic of Crimea	3,0	...	...	...	...
oblasts					
Vinnnytsya	2,2	3,0	3,1	3,1	3,1
Volyn	1,3	1,6	1,5	1,7	1,7
Dnipropetrovsk	10,7	10,8	10,2	10,5	10,3
Donetsk	11,9	5,8	5,8	5,6	5,4
Zhytomyr	1,7	1,9	2,0	2,1	2,2
Zakarpattya	1,4	1,5	1,4	1,4	1,5
Zaporizhzhya	3,9	4,5	4,4	4,4	4,1
Ivano-Frankivsk	1,9	2,3	2,2	2,1	2,2
Kyiv	4,2	5,2	5,4	5,3	5,6
Kirovohrad	1,5	1,9	1,9	1,8	1,8
Luhansk	4,2	1,2	1,3	1,0	1,0
Lviv	3,8	4,8	4,8	4,9	5,0
Mykolayiv	2,2	2,4	2,5	2,3	2,2
Odesa	5,0	5,0	5,0	5,0	4,9
Poltava	4,1	4,8	4,9	5,1	4,9
Rivne	1,5	1,8	1,7	1,6	1,6
Sumy	1,7	2,1	1,9	1,9	1,9
Ternopil	1,2	1,3	1,3	1,4	1,4
Kharkiv	6,0	6,3	6,5	6,3	6,6
Kherson	1,4	1,6	1,6	1,6	1,5
Khmelnyskiy	1,7	2,1	2,0	2,1	2,1
Cherkasy	2,1	2,6	2,5	2,5	2,6
Chernivtsi	0,9	0,9	0,9	1,0	1,0
Chernihiv	1,6	1,9	1,8	1,9	2,0
cities					
Kyiv	18,2	22,7	23,4	23,4	23,4
Sevastopol	0,7	...	...	...	...

NATIONAL ACCOUNTS

11.10. Per capita gross regional product

(at current prices; UAH)

	2010	2015	2016	2017	2018
Ukraine	23600	46413	55899	70233	84235
Autonomous Republic of Crimea	16507	...	...	...	...
oblasts					
Vinnycytsya	14332	37270	46615	58384	71104
Volyn	13916	30387	34310	49987	58297
Dnipropetrovsk	34709	65897	75396	97137	114784
Donetsk	28986	26864	32318	39411	45959
Zhytomyr	14616	30698	38520	49737	62911
Zakarpattya	12278	22989	25727	34202	41706
Zaporizhzhya	23657	50609	59729	75306	85784
Ivano-Frankivsk	14814	33170	37220	46312	57033
Kyiv	26140	60109	74216	90027	112521
Kirovohrad	15533	39356	47469	55183	67763
Luhansk	19788	10778	14251	13883	16301
Lviv	16353	37338	45319	58221	70173
Mykolayiv	20276	41501	50091	60549	70336
Odesa	22544	41682	50159	62701	72738
Poltava	29652	66390	81145	106248	123763
Rivne	13785	30350	33958	42038	49044
Sumy	15711	37170	41741	51419	62955
Ternopil	11713	24963	29247	38593	46833
Kharkiv	23639	45816	57150	69489	86904
Kherson	14346	30246	36585	45532	52922
Khmelnytskyi	13602	31660	37881	49916	59583
Cherkasy	17325	40759	48025	59697	76904
Chernivtsi	10939	20338	23365	31509	37441
Chernihiv	15406	35196	41726	55198	69725
cities					
Kyiv	70424	155904	191736	238622	283097
Sevastopol	20455	...	...	...	...

NATIONAL ACCOUNTS

11.11. Volume indices of gross regional product

(at the prices of the previous year; percent)

	2010	2015	2016	2017	2018
Ukraine	104,1	90,2	102,4	102,5	103,4
Autonomous Republic of Crimea	103,4	...	...	...	...
oblasts					
Vinnnytsya	103,0	97,1	106,5	101,8	104,9
Volyn	100,2	95,3	108,2	105,3	103,7
Dnipropetrovsk	105,8	90,3	98,4	102,1	102,4
Donetsk	111,1	61,3	99,1	95,2	100,2
Zhytomyr	112,8	98,1	105,2	105,0	104,8
Zakarpattya	107,7	93,5	97,3	103,1	104,0
Zaporizhzhya	103,2	94,7	99,7	103,1	100,5
Ivano-Frankivsk	100,5	92,0	99,0	107,1	105,6
Kyiv	105,1	94,0	105,7	104,6	106,7
Kirovohrad	105,7	91,7	105,0	98,6	107,0
Luhansk	102,3	47,7	118,0	83,8	98,6
Lviv	102,3	95,2	99,3	103,8	105,6
Mykolayiv	103,2	95,3	105,6	99,1	103,0
Odesa	102,4	95,8	104,2	104,2	101,8
Poltava	109,5	93,8	97,9	97,2	103,5
Rivne	106,8	93,4	100,3	103,5	101,4
Sumy	98,9	96,7	96,6	100,2	105,5
Ternopil	100,4	93,7	98,5	105,6	103,3
Kharkiv	101,7	90,9	102,1	101,4	102,3
Kherson	101,8	98,7	102,8	100,8	99,8
Khmelnyskiy	100,0	92,2	104,7	106,4	101,8
Cherkasy	105,9	95,0	101,8	98,3	108,6
Chernivtsi	100,3	94,7	99,4	103,5	104,5
Chernihiv	100,0	93,4	100,6	102,2	104,1
cities					
Kyiv	101,4	93,3	105,5	105,7	103,7
Sevastopol	106,4	...	...	...	...

12. GOVERNMENT FINANCE AND CREDIT

The section reveals Ukraine's budget execution, banking statistics, basic financial indicators for economic activities of enterprises and organisations.

Budget is a plan for formation and uses of financial resources to ensure tasks and functions to be performed by public authorities, the Autonomous Republic of Crimea's authorities and local authorities during the budget period.

Ukraine budget system is a summation of the state budget and local budgets which takes into account the economic relations, the state and administrative and territorial division and is regulated by rules of law.

Local budgets are the budget of the Autonomous Republic of Crimea, regional, district budgets and budgets of local self-governments. The budgets of local self-governments are the budgets of territorial communities of villages, their associations, townships, towns (including the districts in the cities), the budgets of the united territorial communities.

Ukraine consolidated budget includes indicators of the State budget of Ukraine, consolidated budget of the Autonomous Republic of Crimea and consolidated budgets of regions, cities of Kyiv and Sevastopol.

Budget income are tax, non-tax and other revenues on non-repayable terms whose deductions are envisaged by the Ukraine legislation (including transfers, payment for provision of administrative services, own revenues of the budgetary establishments).

Budget expenditure are funds aimed at implementing the programs and plans envisaged by the relevant budget.

The budget expenditure doesn't include: debt repayment; budget lending; depositing budget funds; purchase of securities; refund of the overpaid sums of taxes and fees, and other budget revenues, their reimbursement

out of the budget; compensation for a part of the sum of penal (financial) sanctions being transferred to buyers (consumers) out of penal (financial) sanctions.

Lending are transactions with provision of funds from the budget on condition of repayment, payment and maturity whereupon obligations toward the budget arise (provision of credits from the budget) and transactions with the return of such funds toward the budget (return of credits toward the budget). Credits from the budget include loans and financial assistance from the budget on a repayable basis.

Inter-budgetary transfer are funds transferred from one budget to another on a free and irrevocable basis.

Budget deficit is an excess of the budget expenditure over its income (taking into account the difference between the provision of credits from the budget and return of credits toward the budget).

Budget profit is an excess of budget income over its expenditure (taking into account the difference between return of credits toward the budget and provision of credits from the budget).

The financing of the budget is the budget's revenue and expenditure connected with the change in debt, deposits and securities, funds from privatization of the state property (with regard to the state budget), change in remainder of budget funds used to meet the budget deficit or determine budget surplus.

Credits are financial assets which are created providing a creditor gives funds directly to a borrower and are confirmed by documents that are not circulated.

Deposits – claims on the other deposit-taking corporations (banks) that are represented by evidence of deposit.

Official exchange rate of hryvnia against foreign currencies is the rate of the national monetary unit, the hryvnia, officially set by the National Bank of Ukraine versus every of foreign currencies.

GOVERNMENT FINANCE AND CREDIT

12.1. Consolidated budget of Ukraine¹

(mln. UAH)

	2005	2010	2015	2016	2017	2018	2019
Revenue	134183,2	314506,3²	652031,0	782859,5	1016969,5	1184290,8	1289849,2
Tax revenues	98065,2	234447,7	507635,9	650781,7	828158,8	986348,5	1070321,8
Non-tax revenues	31778,0	73837,0	140154,4	125502,9	154552,1	192716,6	212858,5
Revenues from capital transactions	2803,9	3143,2	1799,5	1594,0	2160,5	2801,0	3111,9
From the European Union, governments of foreign countries, international organisations, donor institutions	182,5	305,6	1882,2	4198,2	1631,2	1559,0	1184,2
Earmarked funds	1353,6	2772,7	558,9	782,8	30467,0	865,6	2372,8
Expenditure³	141698,8	377842,8	679871,4	835832,1	1056973,1	1250189,5	1372350,6
Public administration including debt servicing	15480,9	44902,5	117642,4	134256,9	166295,1	191550,0	203109,2
Defence	6041,0	11347,1	52015,8	59359,1	74360,4	97024,1	106627,8
Law enforcement, security and judiciary	10226,8	28825,6	54963,0	72056,6	88485,3	118025,5	143694,4
Economic activity	19115,1	43832,4	56257,3	66191,3	102883,4	140761,4	154218,0
Environment protection	1252,5	2872,4	5529,7	6255,4	7349,3	8242,1	9731,1
Housing and utilities	3914,2	5431,3	15700,4	17547,5	27187,5	30345,5	34490,0
Health care	15476,5	44745,4	71001,1	75503,4	102392,4	115852,0	128384,6
Intellectual and physical development	3449,8	11525,4	16228,3	16897,8	24342,3	28993,1	31550,1
Education	26801,8	79826,0	114193,5	129437,7	177915,8	210032,3	238758,7
Social protection and social security	39940,2	104534,9	176339,8	258326,1	285761,7	309363,6	321786,7
Lending	290,7	1348,4	3057,8	1841,3	2122,1	1893,0	4762,7
Excess of expenditure over revenue (deficit)	7806,3	64684,9	30898,2	54813,9	42125,7	67791,8	87264,2

¹ Here and elsewhere (Tables 12.2, 12.3) based on data from the Ministry of Finance of Ukraine (when rounding, the sum of the components may differ from the total for some indicators due to electronic data processing)

² In 2010, including repayment of last years indebtedness of VAT refunding amounted 16,4 bln. UAH on the special fund of the Central Budget of Ukraine by release domestic government bonds

³ Excluding lending

GOVERNMENT FINANCE AND CREDIT

12.2. Ukraine's Central budget deficit and sources used for its funding

(mln. UAH)

	2005	2010	2015	2016	2017	2018	2019
Excess of expenditure over revenue (deficit)	7945,7	64265,5¹	45167,5	70262,1	47882,1	59251,1	80993,7
Deficit financing sources							
Domestic financing	6997,5	17007,2	-64522,7	37036,1	10923,6	14492,0	85005,3
External financing	948,2	47258,3	109690,2	33225,9	36958,5	44759,2	-4011,6

¹ In 2010, including domestic government bonds issue by special fund of Central Budget of Ukraine to repay a debt of last years with VAT refunding amounted 16,4 bln. UAH as well as to issue domestic government bonds to increase the statutory fund of the state mortgage institution amounted 2 bln. UAH

12.3. Budgets of Ukraine (excluding inter-budget transfers)

(mln. UAH)

	Consolidated	Including				
		state		local		
		total	percent of Consolidated budget	total	percent of Consolidated budget	
Revenue						
2005	134183,2	103867,0	77,4	30316,2	22,6	
2010¹	314506,3	233990,5	74,4	80515,8	25,6	
2015	652031,0	531550,8	81,5	120480,2	18,5	
2016	782859,5	612111,6	78,2	170747,8	21,8	
2017	1016969,5	787474,1	77,4	229495,4	22,6	
2018	1184290,8	920808,7	77,8	263482,1	22,2	
2019	1289849,2	989619,9	76,7	300229,3	23,3	
Tax revenues						
2005	98065,2	74476,4	75,9	23588,7	24,1	
2010 ¹	234447,7	166872,2	71,2	67575,6	28,8	
2015	507635,9	409417,5	80,7	98218,4	19,3	
2016	650781,7	503879,4	77,4	146902,2	22,6	
2017	828158,8	627153,7	75,7	201005,1	24,3	
2018	986348,5	753815,6	76,4	232532,9	23,6	
2019	1070321,8	799776,0	74,7	270545,8	25,3	
including personal income tax and change						
2005	17325,2	838,6	4,8	16486,6	95,2	
2010	51029,3	—	—	51029,3	100,0	
2015	99983,2	45062,0	45,1	54921,2	54,9	
2016	138781,8	59810,5	43,1	78971,3	56,9	
2017	185686,1	75033,4	40,4	110652,7	59,6	
2018	229900,6	91741,8	39,9	138158,8	60,1	
2019	275458,5	109954,0	39,9	165504,4	60,1	

GOVERNMENT FINANCE AND CREDIT

Table 12.3 continued

	Consolidated	Including			
		state		local	
		total	percent of Consolidated budget	total	percent of Consolidated budget
enterprise profit tax					
2005	23464,0	23272,2	99,2	191,8	0,8
2010	40359,1	39969,2	99,0	389,9	1,0
2015	39053,2	34776,3	89,0	4276,8	11,0
2016	60223,2	54344,1	90,2	5879,1	9,8
2017	73396,8	66911,9	91,2	6484,9	8,8
2018	106182,3	96882,3	91,2	9300,0	8,8
2019	117316,8	107086,3	91,3	10230,5	8,7
VAT					
2005	33803,8	33803,8	100,0	—	—
2010 ¹	86315,9	86315,9	100,0	—	—
2015	178452,4	178452,4	100,0	—	—
2016	235506,0	235506,0	100,0	—	—
2017	313980,6	313980,6	100,0	—	—
2018	374508,2	374508,2	100,0	—	—
2019	378690,2	378690,2	100,0	—	—
excise tax					
2005	7945,4	7881,8	99,2	63,6	0,8
2010	28316,1	27620,7	97,5	695,4	2,5
2015	70795,2	63110,6	89,1	7684,6	10,9
2016	101750,7	90122,5	88,6	11628,2	11,4
2017	121449,4	108293,5	89,2	13156,0	10,8
2018	132649,8	118852,4	89,6	13797,4	10,4
2019	137076,4	123357,9	90,0	13718,5	10,0
Non-tax revenue					
2005	31778,0	28236,4	88,9	3541,7	11,1
2010	73837,0	65067,7	88,1	8769,2	11,9
2015	140154,4	120006,5	85,6	20148,0	14,4
2016	125502,9	103643,7	82,6	21859,2	17,4
2017	154552,1	128579,1	83,2	25973,0	16,8
2018	192716,6	164683,1	85,5	28033,5	14,5
2019	212858,5	186750,1	87,7	26108,4	12,3
Other revenues					
2005	4340,0	1154,2	26,6	3185,8	73,4
2010	6221,5	2050,6	33,0	4171,0	67,0
2015	4240,7	2126,7	50,2	2113,9	49,8
2016	6574,9	4588,5	69,8	1986,4	30,2
2017	34258,7	31741,4	92,7	2517,3	7,3
2018	5225,6	2309,9	44,2	2915,7	55,8
2019	6668,8	3093,7	46,4	3575,1	53,6
Expenditure²					
2005	141698,8	89614,9	63,2	52083,9	36,8
2010	377842,8	225822,5	59,8	152020,3	40,2
2015	679871,4	402931,4	59,3	276940,0	40,7
2016	835832,1	489488,5	58,6	346343,6	41,4
2017	1056973,1	566850,1	53,6	490123,0	46,4
2018	1250189,5	686912,1	54,9	563277,4	45,1
2019	1372350,6	814820,1	59,4	557530,6	40,6

GOVERNMENT FINANCE AND CREDIT

Table 12.3 continued

	Consolidated	Including			
		state		local	
		total	percent of Consolidated budget	total	percent of Consolidated budget
Public administration					
2005	15480,9	11980,5	77,4	3500,4	22,6
2010	44902,5	34694,3	77,3	10208,2	22,7
2015	117642,4	103116,7	87,7	14525,7	12,3
2016	134256,9	118049,3	87,9	16207,7	12,1
2017	166295,1	142492,7	85,7	23802,4	14,3
2018	191550,0	162958,1	85,1	28591,9	14,9
2019	203109,2	168194,4	82,8	34914,8	17,2
including debt servicing					
2005	3311,6	3110,4	93,9	201,2	6,1
2010	16395,4	15539,0	94,8	856,4	5,2
2015	86172,7	84505,4	98,1	1667,3	1,9
2016	96105,2	95794,2	99,7	311,0	0,3
2017	110578,2	110456,1	99,9	122,1	0,1
2018	116088,0	115431,2	99,4	656,9	0,6
2019	120096,1	119247,6	99,3	848,4	0,7
Defence					
2005	6041,0	6041,0	100,0	—	—
2010	11347,1	11347,1	100,0	—	—
2015	52015,8	52005,2	100,0	10,6	0,02
2016	59359,1	59350,8	100,0	8,4	0,01
2017	74360,4	74346,2	100,0	14,2	0,02
2018	97024,1	97024,1	100,0	—	—
2019	106627,8	106627,8	100,0	—	—
Law enforcement, security and judiciary					
2005	10226,8	10142,2	99,2	84,7	0,8
2010	28825,6	28570,7	99,1	254,9	0,9
2015	54963,0	54643,4	99,4	319,6	0,6
2016	72056,6	71670,4	99,5	386,2	0,5
2017	88485,3	87850,5	99,3	634,8	0,7
2018	118025,5	116875,9	99,0	1149,6	1,0
2019	143694,4	142389,8	99,1	1304,6	0,9
Economic activity					
2005	19115,1	14041,3	73,5	5073,9	26,5
2010	43832,4	36030,0	82,2	7802,4	17,8
2015	56257,3	37135,4	66,0	19121,9	34,0
2016	66191,3	31422,3	47,5	34768,9	52,5
2017	102883,4	47000,1	45,7	55883,2	54,3
2018	140761,4	63600,9	45,2	77160,5	54,8
2019	154218,0	72363,7	46,9	81854,2	53,1
Environment protection					
2005	1252,5	981,1	78,3	271,4	21,7
2010	2872,4	2292,7	79,8	579,7	20,2
2015	5529,7	4053,0	73,3	1476,7	26,7
2016	6255,4	4771,6	76,3	1483,8	23,7
2017	7349,3	4739,9	64,5	2609,3	35,5
2018	8242,1	5241,2	63,6	3000,9	36,4
2019	9731,1	6317,6	64,9	3413,5	35,1

GOVERNMENT FINANCE AND CREDIT

Table 12.3 continued

	Consolidated	Including			
		state		local	
		total	percent of Consolidated budget	total	percent of Consolidated budget
Housing and utilities					
2005	3914,2	110,0	2,8	3804,1	97,2
2010	5431,3	844,4	15,5	4586,9	84,5
2015	15700,4	21,5	0,1	15678,9	99,9
2016	17547,5	12,5	0,1	17535,0	99,9
2017	27187,5	16,9	0,1	27170,5	99,9
2018	30345,5	296,9	1,0	30048,5	99,0
2019	34490,0	108,0	0,3	34382,0	99,7
Health care					
2005	15476,5	3508,1	22,7	11968,4	77,3
2010	44745,4	8759,0	19,6	35986,3	80,4
2015	71001,1	11450,4	16,1	59550,7	83,9
2016	75503,4	12464,6	16,5	63038,8	83,5
2017	102392,4	16729,4	16,3	85663,0	83,7
2018	115852,0	22618,0	19,5	93233,9	80,5
2019	128384,6	38566,6	30,0	89818,0	70,0
Intellectual and physical development					
2005	3449,8	1273,7	36,9	2176,1	63,1
2010	11525,4	5165,5	44,8	6359,8	55,2
2015	16228,3	6619,2	40,8	9609,2	59,2
2016	16897,8	4958,9	29,3	11938,9	70,7
2017	24342,3	7898,1	32,4	16444,2	67,6
2018	28993,1	10107,1	34,9	18886,0	65,1
2019	31550,1	9967,0	31,6	21583,2	68,4
Education					
2005	26801,8	9932,8	37,1	16869,0	62,9
2010	79826,0	28807,5	36,1	51018,5	63,9
2015	114193,5	30185,7	26,4	84007,8	73,6
2016	129437,7	34826,5	26,9	94611,2	73,1
2017	177915,8	41297,3	23,2	136618,5	76,8
2018	210032,3	44324,3	21,1	165708,0	78,9
2019	238758,7	51656,6	21,6	187102,1	78,4
Social protection and social security					
2005	39940,2	31604,3	79,1	8336,0	20,9
2010	104534,9	69311,3	66,3	35223,6	33,7
2015	176339,8	103700,9	58,8	72638,9	41,2
2016	258326,1	151961,5	58,8	106364,7	41,2
2017	285761,7	144478,9	50,6	141282,8	49,4
2018	309363,6	163865,6	53,0	145498,0	47,0
2019	321786,7	218628,6	67,9	103158,1	32,1
Lending					
2005	290,7	299,9	103,2	-9,2	-3,2
2010	1348,4	1292,0	95,8	56,4	4,2
2015	3057,8	2950,9	96,5	106,9	3,5
2016	1841,3	1661,6	90,2	179,8	9,8
2017	2122,1	1870,9	88,2	251,2	11,8
2018	1893,0	1514,3	80,0	378,8	20,0
2019	4762,7	4216,5	88,5	546,2	11,5

¹ See the second footnote to Table 12.1

² See the third footnote to Table 12.1

GOVERNMENT FINANCE AND CREDIT

12.4. Monetary aggregates^{1,2}

(end of year; mln. UAH)

	2005	2010	2015	2016	2017	2018	2019
Money circulating beyond banks (M0)	60231	182990	282673	314392	332546	363629	384366
Monetary aggregate (M1)	98573	289894	472217	529928	601631	671285	770043
Monetary aggregate (M2)	193145	596841	993812	1102391	1208557	1273772	1435221
Monetary aggregate (M3)	194071	597872	994062	1102700	1208859	1277635	1438311

¹ Here and elsewhere (Tables 12.5–12.7) based on data from the National Bank of Ukraine

² Monetary aggregates – liabilities of deposit-taking corporations to other sectors of the economy with the exception of general government and other deposit-taking corporations sector. Monetary aggregate M0 includes currency in circulation outside the deposit-taking corporations. Monetary aggregate M1 – monetary aggregate M0 and transferable deposits in national currency. Monetary aggregate M2 – monetary aggregate M1 and transferable deposits in foreign currency and other deposits. Monetary aggregate M3 (money supply) – monetary aggregate M2 and securities other than shares

12.5. Resident deposit-taking corporations (banks) loans¹

(end of year; mln. UAH)

	2005	2010	2015	2016	2017	2018	2019
Total	143423	732823	981627	998682	1016657	1073131	971871
in currency							
national	81279	395504	433826	504999	570627	613994	613708
foreign	62144	337319	547802	493683	446031	459137	358162

¹ With interest accrued; excluding credits given to depository corporations sector

12.6. Official exchange rate of hryvnia to foreign currencies set by the National Bank of Ukraine, average per year

(UAH)

	2005	2010	2015	2016	2017	2018	2019
100 British pounds sterling	933,76	1226,89	3340,42	3470,08	3424,87	3634,44	3299,78
100 US dollars	512,47	793,56	2184,47	2555,13	2659,66	2720,05	2584,56
100 euros	638,99	1053,29	2422,87	2829,19	3000,42	3214,29	2895,18
1000 Japanese yen	46,68	90,52	180,46	235,39	237,13	246,34	237,03
100 SDRs	758,02	1210,84	3056,43	3552,73	3686,91	3851,39	3571,84
10 Russian rubles	1,81	2,61	3,62	3,83	4,56	4,36	3,99

12.7. Deposits by households, held with deposit-taking corporations (banks)

(end of year; mln. UAH)

	2005	2010	2015	2016	2017	2018	2019
Total	74778	275093	410895	444676	495313	530250	576126
in currency							
national	43688	142924	198876	209601	252439	289416	339168
foreign	31090	132169	212019	235075	242874	240833	236958

13. PRICES

Consumer price index (inflation index) is an indicator of changes in the time of prices and tariffs for goods and services being purchased by the population for unproductive consumption. The CPI calculation is based on data on the changes in prices (tariffs) obtained through the monthly registration of the prices (tariffs) in the consumer market, and national accounts data on households' expenditure for final consumption across the country as a whole using detailed data on structure of actual consumer money expenditure of households.

Industrial producer price index is an indicator of changes over time within industrial production. It is compiled monthly using data on prices for the industrial products which are given according to the *Nomenclature of Industrial Products (NIP)* by sampling circle of enterprises. The prices are weighed by the volume of sold industrial products in monetary terms.

Price index for agricultural products sold by agricultural enterprises is an indicator of changes over time to average prices for the own-produced agricultural products sold by enterprises.

Price index for construction the movements in construction prices over the time. It is compiled monthly based on data from other state statistical observation and administrative data. The weighing basis is the data on construction costs for certain types of building and structures.

Index of tariffs for post and communications services measure changes over time in tariffs for post and communications services of enterprises, establishments, and organisations. It is produced quarterly based on data on tariffs and representative services by type of services that are selected taking into account their representatives in the market for mail and communications services. The weighing base is the data on income resulting from the provision of post and communications services.

Index of tariffs for merchandise rail measures the changes over time in tariffs for merchandise transport according to type of freight, combination, distances. The index is estimated each quarter for each type of freight. The weighing base is data on income from haulage, freight transportation.

PRICES

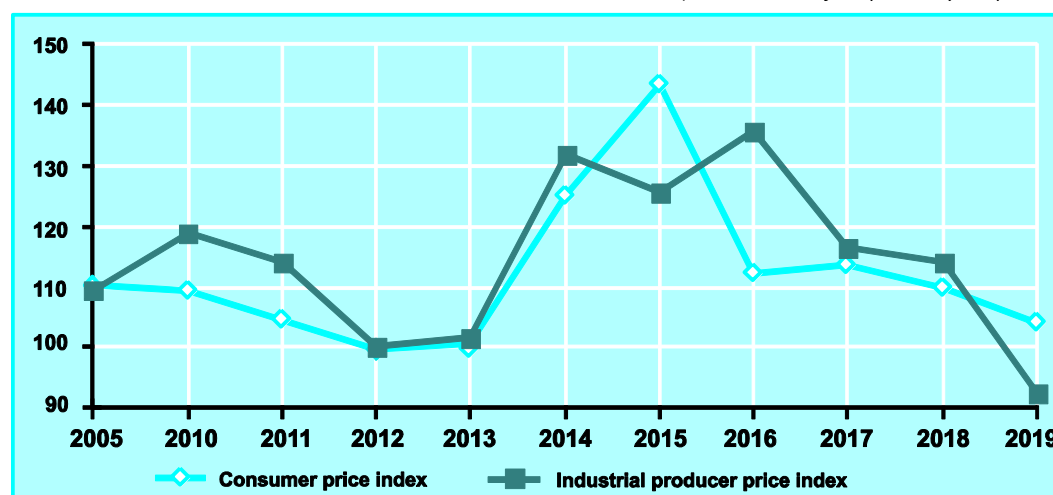
13.1. Price indices

(percent of the previous year)

	2005	2010	2015	2016	2017	2018	2019
Consumer price index	113,5	109,4	148,7	113,9	114,4	110,9	107,9
Industrial producer price index	116,7	120,9	136,0	120,5	126,4	117,4	104,1
Price index for agricultural products sold by agricultural enterprises	108,1	130,0	154,5	109,0	111,5	109,3	92,4
Price index for construction	125,6	115,8	127,1	109,2	113,4	123,0	106,0

13.2. Consumer price indices and industrial producer price indices in 2005–2019

(Dec. over Dec. of the previous year; percent)



13.3. Consumer and producer price indices

(Dec. over Dec. of the previous year; percent)

	2005	2010	2015	2016	2017	2018	2019
Consumer price index	110,3	109,1	143,3	112,4	113,7	109,8	104,1
Base consumer price index	...	107,9	134,7	105,8	109,5	108,7	103,9
Industrial producer price index	109,5	118,7	125,4	135,7	116,5	114,2	92,6
Price index for construction	126,0	118,9	122,7	109,9	115,5	119,1	100,7

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13.4. Indices of consumer prices for the basic groups of goods and services

(percent)

	2005	2010	2015	2018	2019	2005	2010	2015	2018	2019
	Dec. over Dec. of the previous year					of the previous year				
Foodstuffs and non-alcoholic beverages	110,2	110,6	141,5	107,8	104,8	116,2	110,9	145,9	111,1	108,0
Foodstuffs	110,8	110,7	140,1	108,1	104,9	117,5	110,7	144,4	111,5	108,3
bread and cereal products	102,2	116,5	144,6	114,1	109,4	98,9	112,3	160,6	110,5	113,6
bread	100,4	111,3	145,7	121,5	109,7	97,4	110,2	154,8	119,0	117,7
pasta	99,3	111,0	143,6	114,7	103,6	97,0	107,1	154,1	111,2	110,9
meat and meat products	118,4	104,1	122,5	109,4	103,3	130,3	102,0	131,3	116,6	106,6
fish and fish products	119,4	104,2	142,4	111,2	104,9	129,8	105,1	160,2	105,6	108,4
milk, cheese and eggs	110,1	116,0	133,5	105,8	103,3	123,4	121,9	128,5	117,5	104,0
oil and fats	102,0	108,1	141,5	105,5	102,4	124,0	109,6	145,5	112,1	105,2
fruits	126,1	109,3	148,2	83,0	118,8	120,6	105,1	172,4	105,4	97,3
vegetables	104,7	120,9	166,7	127,8	99,2	91,7	114,5	130,8	107,6	131,3
sugar	121,7	120,3	169,8	90,7	102,2	127,5	157,5	136,0	84,2	99,9
Non-alcoholic beverages	107,7	105,7	157,8	105,6	102,9	107,5	109,1	166,1	105,5	105,0
Alcoholic beverages, tobacco (products)	107,7	122,1	122,7	117,9	113,0	106,5	125,6	133,2	118,5	115,6
Clothes and footwear	102,2	102,2	135,0	102,0	97,7	101,9	103,7	133,1	101,8	100,2
clothes	101,6	102,3	133,2	101,3	98,0	101,6	103,6	131,1	101,3	99,8
footwear	102,6	102,5	137,8	102,1	97,0	102,1	104,1	136,4	102,3	100,1
Housing, water, electricity, gas and other types of fuels	114,6	113,8	203,0	110,6	98,1	109,0	109,4	215,8	106,8	108,0
water supply	127,6	106,4	123,0	119,9	112,7	114,9	112,9	138,7	117,0	118,4
sewerage	134,3	107,1	122,5	121,2	112,2	118,6	116,9	146,5	115,0	120,0
maintenance of buildings and adjacent territories	139,8	104,4	105,4	123,7	106,9	121,9	112,6	105,0	131,9	111,6
electricity	100,0	100,0	166,9	100,0	100,0	100,0	100,0	142,3	103,8	100,0
natural gas	101,2	150,1	373,0	122,9	71,3	100,5	120,9	453,2	104,3	102,6
hot water, heating	115,9	106,2	178,4	105,2	114,4	110,4	105,6	161,1	103,6	118,3
Household goods, household appliances and current maintenance of housing	102,1	101,2	136,0	106,8	99,8	104,7	103,2	145,9	106,1	102,9
Health care	109,2	105,8	129,1	108,9	103,8	109,7	107,9	137,6	108,8	106,7
Transport	119,7	106,6	120,4	112,9	97,6	120,0	109,6	136,8	115,7	104,1
fuels and lubricants	124,5	113,9	112,5	109,1	91,8	135,4	118,3	134,5	118,9	95,5
transport services	122,1	105,0	127,0	128,9	107,7	119,1	108,1	132,2	122,3	119,8
rail passenger transport	100,8	100,0	109,0	115,9	119,2	100,8	105,3	118,7	110,3	124,4
road passenger transport	125,5	105,8	130,6	130,3	107,2	121,8	108,4	134,5	123,7	119,4
Communications	101,7	91,1	107,0	115,1	111,8	100,7	93,6	105,9	111,0	115,5
Leisure and culture	102,7	102,5	137,9	104,4	99,9	103,9	104,0	142,7	104,4	102,4
Education	118,0	110,3	124,2	113,4	113,5	113,1	113,1	117,9	114,6	113,4
Restaurants and hotels	118,6	107,4	123,3	113,0	108,8	117,5	107,4	124,3	115,3	111,1
Various goods and services	106,3	108,7	131,4	111,0	107,8	106,2	109,2	138,6	109,5	109,8

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13.5. Consumer price indices, by region

(percent)

	2005	2010	2015	2018	2019	2005	2010	2015	2018	2019
	Dec. over Dec. of the previous year					of the previous year				
Ukraine	110,3	109,1	143,3	109,8	104,1	113,5	109,4	148,7	110,9	107,9
Autonomous Republic of Crimea	111,5	109,6	...	...	...	113,2	110,7	...	...	...
oblasts										
Vinnycya	110,7	107,0	138,8	109,0	102,4	112,7	108,0	146,2	110,4	106,5
Volyn	109,1	108,1	143,3	109,9	104,9	112,5	108,0	150,5	111,4	108,2
Dnipropetrovsk	108,0	109,3	142,6	109,2	103,7	112,0	109,8	149,8	110,3	107,4
Donetsk	111,9	110,3	146,9	112,3	106,0	115,2	109,9	146,1	112,9	110,9
Zhytomyr	110,8	108,9	143,7	109,1	103,6	115,4	109,3	151,1	110,4	107,5
Zakarpattia	111,6	108,5	144,0	112,2	104,3	112,3	109,0	151,0	112,9	107,8
Zaporizhzhya	111,9	109,7	142,1	109,2	103,2	115,3	110,3	148,5	110,8	107,5
Ivano-Frankivsk	110,3	108,3	143,4	109,1	104,5	111,6	108,3	150,4	110,5	107,5
Kyiv	112,6	107,9	144,3	110,0	104,4	114,3	108,3	150,4	111,1	107,9
Kirovohrad	110,0	108,5	141,3	109,0	103,6	115,0	108,2	146,7	110,4	107,3
Luhansk	112,0	110,5	138,8	109,3	104,3	114,3	109,9	143,8	111,6	107,8
Lviv	108,4	109,7	145,2	110,1	104,2	111,6	110,5	152,5	111,2	107,9
Mykolayiv	111,5	110,0	143,5	109,4	103,8	113,4	110,0	149,0	110,2	107,9
Odesa	108,8	110,5	144,6	109,3	103,9	111,4	111,2	151,6	111,0	107,5
Poltava	113,7	108,4	145,0	109,3	104,5	116,1	109,2	149,2	110,4	108,2
Rivne	110,3	108,3	144,9	109,3	104,4	114,4	108,5	151,8	111,2	108,0
Sumy	112,2	108,9	145,5	109,7	104,8	115,9	109,1	150,4	111,4	108,2
Ternopil	108,4	108,5	145,1	109,7	104,2	110,8	108,1	151,7	110,3	107,8
Kharkiv	108,9	109,0	144,2	111,2	104,8	113,2	109,5	149,9	111,4	109,4
Kherson	109,2	110,6	145,8	109,5	103,3	113,6	109,8	150,1	110,4	107,7
Khmelnyskiy	108,5	109,6	142,5	109,2	104,4	113,3	110,2	148,5	110,7	107,3
Cherkasy	111,4	109,0	143,8	109,7	103,2	114,8	108,9	149,6	111,2	107,6
Chernivtsi	111,3	108,2	142,0	108,7	103,8	112,4	108,1	148,6	110,3	106,6
Chernihiv	109,9	109,5	145,6	109,6	104,3	114,1	108,9	152,7	111,0	107,6
cities										
Kyiv	110,5	109,8	138,6	108,8	103,9	112,9	110,0	143,9	110,4	107,6
Sevastopol	110,0	112,8	112,3	112,5

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13.6. Consumer price indices

	Consumer price indices	Of				
		foodstuffs and non-alcoholic beverages	alcoholic beverages, tobacco products	clothes and footwear	housing, water, electricity, gas and other types of fuels	household goods, household appliances and current maintenance of housing
Ukraine	104,1	104,8	113,0	97,7	98,1	99,8
Autonomous Republic of Crimea	...	...	...	...	...	...
oblasts						
Vinnysya	102,4	104,8	112,5	90,8	95,1	95,5
Volyn	104,9	106,9	113,7	96,0	95,4	101,0
Dnipropetrovsk	103,7	104,1	113,1	99,4	99,7	97,2
Donetsk	106,0	105,4	112,4	106,8	99,2	104,3
Zhytomyr	103,6	104,1	114,2	98,7	98,4	100,8
Zakarpattya	104,3	104,1	113,3	104,9	93,6	99,2
Zaporizhzhya	103,2	104,2	112,4	95,2	98,5	100,2
Ivano-Frankivsk	104,5	105,3	113,5	95,3	93,6	101,4
Kyiv	104,4	105,2	113,5	99,6	94,5	100,2
Kirovohrad	103,6	103,5	114,6	93,6	102,9	100,4
Luhansk	104,3	106,0	113,7	95,2	96,6	99,0
Lviv	104,2	105,5	111,3	103,0	92,6	100,5
Mykolayiv	103,8	104,7	112,6	92,6	95,5	98,6
Odesa	103,9	105,5	112,0	101,5	93,9	101,1
Poltava	104,5	104,4	113,9	100,4	101,2	100,6
Rivne	104,4	105,4	112,6	96,3	95,7	101,1
Sumy	104,8	104,5	112,3	100,4	99,9	100,3
Ternopil	104,2	105,3	114,0	99,6	93,0	100,6
Kharkiv	104,8	104,7	113,8	101,4	99,1	99,9
Kherson	103,3	104,6	111,7	99,7	97,6	98,8
Khmelnyskiy	104,4	104,9	114,7	99,1	94,9	98,5
Cherkasy	103,2	104,9	112,3	93,4	95,0	97,0
Chernivtsi	103,8	105,8	114,1	95,8	92,7	100,1
Chernihiv	104,3	104,0	114,6	96,0	95,6	97,2
cities						
Kyiv	103,9	104,5	113,8	82,9	110,0	97,2
Sevastopol	...	...	...	...	...	...

PRICES

in 2019, by region

(Dec. over Dec. of the previous year; percent)

which

health care	transport	communications	leisure and culture	education	restaurants and hotels	various goods and services
103,8	97,6	111,8	99,9	113,5	108,8	107,8
...
101,5	95,3	112,0	99,5	106,6	105,7	99,0
105,0	97,5	110,5	97,9	110,9	109,1	105,9
102,7	97,2	112,2	97,2	110,2	108,1	109,4
105,5	98,5	112,8	107,2	123,7	119,2	109,2
102,8	96,8	110,9	98,2	111,8	107,5	107,7
103,0	99,0	112,2	101,0	113,5	107,1	114,4
102,4	94,3	116,5	99,0	111,9	105,4	106,4
104,8	99,8	112,5	99,1	115,4	104,8	109,6
102,8	97,5	112,4	98,8	109,1	108,1	108,7
101,3	98,1	112,0	96,6	113,1	110,0	106,4
103,5	95,9	110,9	102,4	112,2	107,4	105,0
103,6	99,7	108,1	97,8	112,4	109,6	100,8
102,8	97,3	112,8	99,0	119,4	109,8	110,5
104,5	93,1	116,7	99,2	118,0	104,0	112,8
103,5	98,5	113,4	98,7	117,2	108,2	107,3
102,9	97,5	109,9	99,6	111,8	109,7	108,1
101,6	99,2	112,3	99,9	112,0	106,8	124,3
103,8	96,7	111,6	103,4	109,0	111,2	104,4
103,9	101,9	110,0	101,6	116,7	106,2	104,7
103,1	94,6	112,4	96,3	106,6	106,2	110,6
103,1	97,3	107,7	96,5	115,3	109,4	115,9
107,1	94,4	113,7	97,9	110,3	112,0	105,5
103,1	95,6	110,9	99,6	109,7	105,7	105,2
104,8	100,8	111,5	103,8	114,5	109,2	108,5
105,2	98,5	110,2	98,0	109,8	108,6	106,6
...

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13.7. Industrial producer price indices, by type of activity

(percent)

	2015	2017	2018	2019	2015	2017	2018	2019
	Dec. over Dec. of the previous year				of the previous year			
Industry	125,4	116,5	114,2	92,6	136,0	126,4	117,4	104,1
Mining and quarrying	117,6	130,4	114,3	77,2	134,8	150,7	118,2	103,7
Mining of coal and lignite	99,2	147,8	105,4	76,4	126,0	147,7	121,6	99,1
Mining of crude oil and natural gas	220,3	116,1	124,9	67,7	211,7	132,6	116,0	97,2
Mining of metal ore	91,1	129,3	108,2	78,6	110,7	157,8	114,6	108,9
Manufacturing	123,8	118,5	107,4	94,3	136,7	121,9	113,0	100,0
including								
Manufacture of food products, beverages and tobacco products	136,4	112,5	107,0	101,8	142,5	115,2	109,6	104,0
Manufacture of textiles, apparel, leather and related products	126,7	110,9	108,7	102,1	133,2	106,5	110,4	106,3
Manufacture of wood and paper products, and printing	134,0	111,4	109,7	94,0	149,1	107,1	112,2	100,5
Manufacture of coke, and refined petroleum products	104,7	143,0	96,9	85,8	130,8	160,8	117,7	96,2
Manufacture of chemicals and chemical products	124,2	121,9	107,7	91,1	149,2	115,1	110,6	99,2
Manufacture of pharmaceuticals, medicinal chemical and botanical products	131,5	111,0	116,7	109,6	133,0	109,4	112,7	113,5
Manufacture of rubber and plastics products, and other non-metallic mineral products	129,6	112,5	112,6	102,6	137,5	111,7	112,6	107,3
Manufacture of basic metals and fabricated metal products, except machinery and equipment	112,4	126,9	105,6	81,2	135,3	135,0	116,7	90,9
Manufacture of computer, electronic and optical products	133,3	111,6	108,7	102,6	138,3	110,8	109,4	105,2
Manufacture of electrical equipment	121,6	121,2	113,5	84,6	134,1	113,4	122,4	95,6
Manufacture of machinery and equipment n.e.c.	128,2	112,2	110,5	100,0	127,0	110,7	111,4	103,3
Manufacture of transport equipment, trailers and semitrailers and other	115,5	117,9	117,3	101,1	113,4	116,2	118,3	106,3
Electricity, gas, steam and air-conditioning supply	133,2	104,0	129,8	94,4	134,4	124,9	128,3	111,4

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13.8. Producer price indices, by selected consumer goods

(Dec. over Dec. of the previous year; percent)

	2015	2016	2017	2018	2019
Fresh or cooled cattle meat	123,5	109,0	123,2	101,2	98,9
Fresh or cooled pork meat	116,2	116,0	134,8	101,4	101,6
Fresh or cooled poultry meat	124,3	109,4	135,3	99,2	95,4
Boiled sausages, frankfurters, sausages	120,1	105,3	121,2	110,8	106,7
Sunflower oil and its fractions, refined but not subjected to chemical modification	145,0	109,6	102,5	90,2	91,7
Skimmed milk processed (pasteurized, sterilized, homogenized, clarified, peptized)	122,3	118,6	122,4	109,4	108,8
Butter and milk products pasty	129,5	141,0	115,7	110,3	106,8
Cheese	138,3	119,4	118,7	107,7	107,1
Wheat or wheat-rye flour	118,7	111,4	110,3	119,2	90,3
Macaroni, noodles and similar farinaceous products	129,7	95,4	105,6	122,9	108,0
Granulated sugar	169,7	102,8	91,9	92,9	96,2
Vodka alcohol content of not more 45,4%	142,1	121,2	117,4	127,2	104,9
Bed linen	135,0	102,2	104,7	108,5	107,4
Footwear with uppers of leather, other than sports footwear, footwear incorporating a protective metal toe-cap and miscellaneous special footwear	115,2	101,2	109,3	101,2	100,5
Kitchen furniture	140,2	104,9	112,8	109,9	96,0

13.9. Price indices for agricultural products sold by agricultural enterprises

(percent of the previous year)

	2005	2010	2015	2016	2017	2018	2019
Agricultural production	108,1	130,0	154,5	109,0	111,5	109,3	92,4
Crop output	95,5	139,8	167,2	116,3	107,3	109,8	91,2
Grain crops	91,8	140,3	156,6	119,0	109,2	116,2	91,4
Oil crops	84,6	142,6	182,8	114,2	104,2	102,9	88,8
Sugar beets	130,3	115,4	160,5	105,9	98,1	89,5	101,5
Potatoes	126,8	164,3	79,9	104,9	127,1	108,7	144,9
Vegetables	125,6	143,0	142,7	108,4	112,4	104,3	117,0
Fruit and berries	133,6	118,0	163,7	99,1	134,4	72,5	100,4
Grapes	140,6	138,0	194,2	95,9	104,2	89,5	90,0
Cucurbitaceous crops	202,5	113,1	101,0	115,8	170,9	105,2	109,8
Livestock product	129,5	114,3	141,3	101,7	130,7	108,6	96,8
Livestock animals	134,8	104,2	138,6	100,4	140,1	104,4	97,8
Milk	134,3	155,5	120,8	126,1	131,0	104,6	107,5
Eggs	105,5	116,3	167,5	83,5	104,3	127,0	76,7
Wool	128,0	120,7	190,7	165,4	70,0	98,8	100,3

PRICES

13.10. Price indices for construction

(percent)

	2005	2010	2015	2018	2019	2005	2010	2015	2018	2019
	Dec. over Dec. of the previous year					of the previous year				
Total	126,0	118,9	122,7	119,1	100,7	125,6	115,8	127,1	123,0	106,0
Buildings	123,9	116,5	122,9	118,6	101,8	124,5	114,2	125,7	122,6	106,5
residential	122,1	116,6	124,6	119,6	103,9	122,5	113,5	124,2	122,6	108,4
non-residential	125,7	116,5	121,5	117,5	99,6	126,8	115,0	128,2	122,6	104,7
Engineering structures	127,9	122,7	122,0	120,4	98,6	126,5	118,3	129,7	124,0	105,1
transport structures	130,2	125,3	121,9	125,3	103,3	131,2	119,3	130,6	125,9	110,5
pipelines, communication and power lines	129,8	117,5	131,6	117,2	97,4	118,9	119,6	134,2	120,3	103,7
complex industrial structures	127,1	126,5	114,9	121,1	98,0	131,0	117,9	123,0	125,0	104,6
other engineering structures	124,3	115,4	115,4	116,9	94,6	144,0	113,0	131,9	124,9	101,6

13.11. Tariff indices for post and communication services for enterprises, departments, organisations

(percent)

	2005	2010	2015	2018	2019	2005	2010	2015	2018	2019
	IV Q over IV Q of the previous year					of the previous year				
Total	99,6	110,8	114,2	124,2	118,7	99,4	107,2	108,9	116,9	121,9
Mail services	111,0	108,6	120,0	115,4	114,3	104,1	108,6	113,3	98,9	133,4
Phone connection										
local	100,0	100,0	108,4	113,7	112,7	100,0	105,4	108,5	113,7	112,7
inter-city and international	96,6	97,7	105,1	...	...	97,4	99,4	104,0	...	...
inter-city	...	...	...	100,0	100,0	...	...	...	100,0	100,0
international	...	...	...	107,6	138,8	...	...	...	105,7	127,7
mobile	100,0	114,4	116,4	128,6	120,1	100,0	108,4	108,2	121,3	122,2

PRICES

13.12. Tariff indices for shipment of cargo by rail

(percent)

	2005	2010	2015	2018	2019	2005	2010	2015	2018	2019
	IV Q over IV Q of the previous year					of the previous year				
All cargo	139,7	102,1	130,5	98,7	114,2	139,3	102,2	137,7	109,5	110,7
Coal	132,0	100,0	130,0	100,0	114,2	128,2	101,3	132,4	110,9	110,7
Iron ore	119,2	106,3	130,0	100,0	114,2	127,2	104,7	137,7	110,9	110,7
Mineral and construction	164,1	100,0	130,1	100,0	114,2	159,2	102,8	137,7	110,9	110,7
Ferrous metals	150,0	106,3	130,0	100,0	114,2	150,9	104,8	137,7	110,9	110,7
Oil and dark refined products	...	...	130,0	100,0	114,2	...	...	137,7	110,9	110,7
Light refined products	...	...	130,0	100,0	114,2	...	...	137,7	110,9	110,7
Chemical and mineral fertilisers	138,3	100,0	130,0	100,0	114,2	136,0	99,2	137,7	110,9	110,7
Coke	119,2	104,7	130,0	100,0	114,2	130,0	105,5	137,7	110,9	110,7
Chemical ¹	150,0	100,0	130,0	65,0	114,2	148,9	100,2	137,7	72,0	110,7
Grain crops	138,8	100,0	130,0	100,0	114,2	137,7	99,0	142,4	110,9	110,7
Lumber ²	150,0	100,0	130,0	100,0	114,2	148,9	100,9	137,7	110,9	110,7
Cement	150,0	100,0	130,0	100,0	114,2	147,1	100,2	137,7	110,9	110,7

¹ Paintwork material, glues, oxides, carbohydrates, etc

² Round, mine timbers, sawnwood, etc

14. THE UNIFIED STATE REGISTER OF ENTERPRISES AND ORGANISATIONS OF UKRAINE (Business register)

The Business register (Unified State Register of Enterprises and Organisations of Ukraine) is an automated system for collecting, storing and processing of data on all organisational and legal forms of business and subdivisions of these businesses located in Ukraine or elsewhere in the world.

The Business Register entities are legal persons and separate units of legal persons which are located within the territory of Ukraine and carry out their activity based on its legislation.

The Business register is an important component of Ukraine state statistics' infrastructure. The responsibility for the creation and maintenance of the Register rests with the State Statistics Service of Ukraine according to Ukraine's law *On the State Statistics* and the Regulation on the Business register endorsed by the Ukraine Cabinet of Ministers' Regulation 118 of January 22, 1996 (in line with the wording of the Ukraine Cabinet of Ministers' Regulation 499 of June 22, 2005 make changes).

The basis for data on entities to be included into the Business Register or excluded from it as well as making changes to the Business Register is information about registration actions envisaged by Ukraine's law *On the state registration of legal persons, natural persons-entrepreneurs and public*

formations supplied from the Unified State Register of legal persons, natural persons-entrepreneurs and public formations (hereinafter, the USR) to the state statistics body.

In 2012–2014, the USR data were checked with data from departmental registers of executive bodies and local authorities according to Ukraine's law № 2390-VI dated on July 1, 2010 *On making changes* to Ukraine's law *On the state registration of legal persons and natural persons-entrepreneurs*.

Based on the results of this work, the Business Register data have been updated and the number of legal persons account of those that were registered till 2004 and which did not launch actions as to inclusion into the USR in line with the law. Data on legal persons are given including the mentioned detailing.

The legal persons from the Business register are classified by the territory of their location, organisational and legal form of business, type of economic activity, etc in line with the national (state) classifications.

The data given in the section reflect the changes in the number and structure of legal persons by region, and organisational and legal form of business as well as the structure of legal persons by type of economic activity in line with the *Classification of Types of Economic Activity* (State Classifier 009:2010).

UNIFIED STATE REGISTER OF ENTERPRISES AND ORGANISATIONS OF UKRAINE

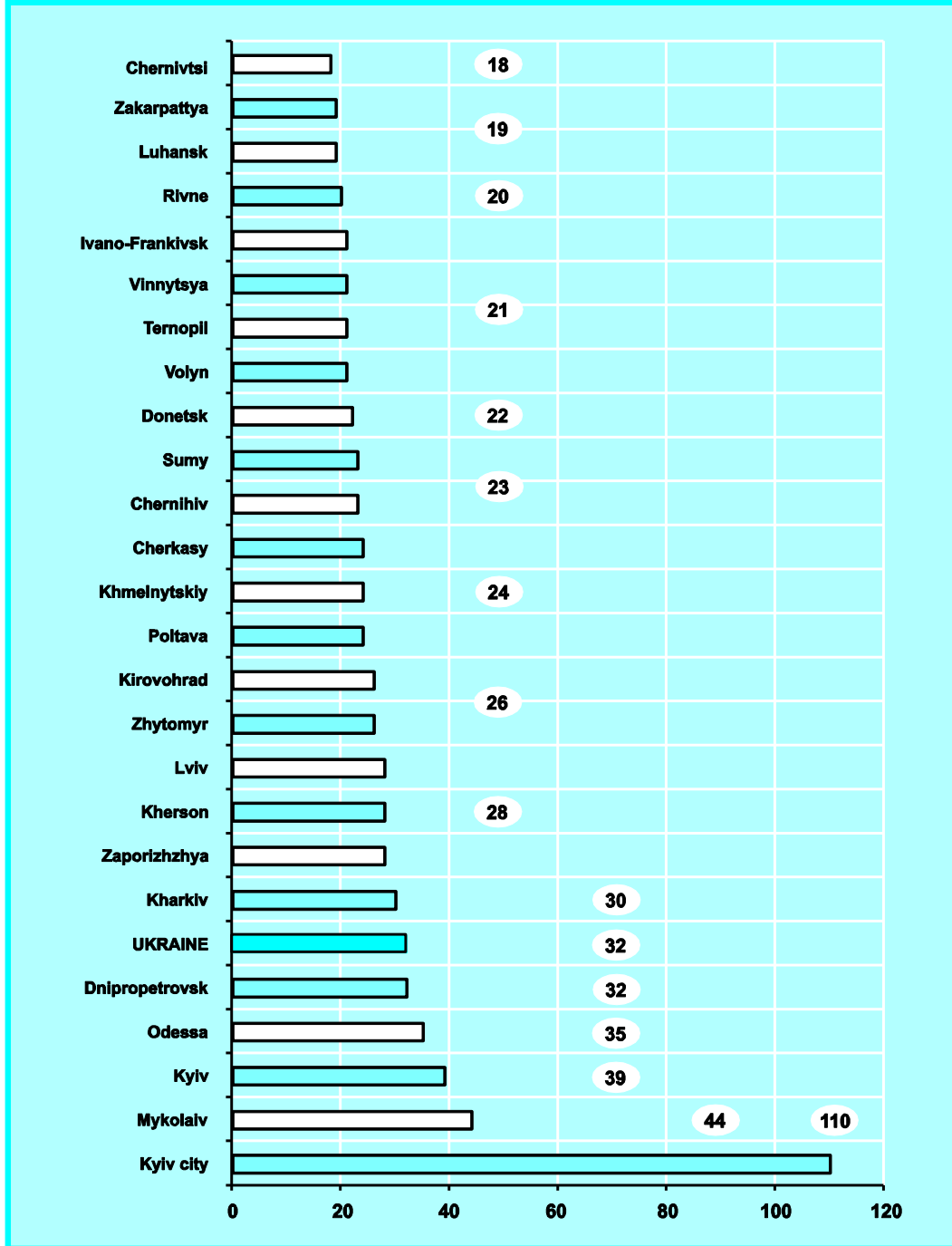
14.1. Number of legal persons, by region

(beginning of year)

	2011	2016	2017	2018	2019	2020
Ukraine	1012993	1121347	1185071	1235024	1298435	1350627
Autonomous Republic of Crimea	37095	...	...	...	...	...
oblasts						
Vinnycya	23619	27349	28665	29869	30984	32031
Volyn	16190	18673	19547	20288	21159	21933
Dnipropetrovsk	83229	92438	97722	95678	97495	100768
Donetsk	79834	84073	85281	86808	87995	90315
Zhytomyr	23673	27160	28449	29456	30371	31428
Zakarpattia	18358	19987	20976	21742	22438	23251
Zaporizhzhya	41193	43274	44983	45583	46501	47441
Ivano-Frankivsk	22256	24326	25679	26607	27577	28571
Kyiv	43211	55351	61090	63257	66592	70046
Kirovohrad	19107	20714	21666	22608	23487	24499
Luhansk	37586	39850	40005	40307	40598	40997
Lviv	49432	57750	61506	64462	67578	71104
Mykolayiv	36727	41047	42736	44988	47383	48917
Odesa	60409	68103	72419	76160	79306	83139
Poltava	27904	30147	31227	32009	32775	33410
Rivne	17813	19446	20538	21219	22041	22929
Sumy	19171	21074	21790	22397	23633	24451
Ternopil	17460	19271	20070	20601	21367	22012
Kharkiv	58613	67297	70651	73703	76760	79644
Kherson	22110	24726	26145	27169	28298	29034
Khmelnyskiy	25005	26908	27807	28447	29343	29895
Cherkasy	22696	24739	26232	27070	27909	28902
Chernivtsi	13317	14709	15143	15365	15405	15910
Chernihiv	17566	19786	20556	21239	21675	22397
cities						
Kyiv	165814	233149	254188	277992	309765	327603
Sevastopol	13605	...	...	...	...	...

14.2. Business of legal persons, by region

(as of January 1, 2019; per 1000 population)



UNIFIED STATE REGISTER OF ENTERPRISES AND ORGANISATIONS OF UKRAINE

14.3. Number of legal persons, by the organisational and legal forms*(beginning of year)*

	2011	2016 ¹	2017 ¹	2018 ¹	2019 ¹	2020 ¹
Total legal persons	1012993	1121347	1185071	1235024	1298435	1350627
including						
farm	45070	43743	44409	45035	45654	46929
private enterprise	223159	201788	202352	200295	199990	200285
public enterprise	4750	4019	3982	3893	3822	3750
state-run enterprise	43	33	32	32	32	32
communal enterprise	13024	11438	11677	11640	12842	13883
subsidiary	15173	12336	12266	12068	11823	11647
foreign enterprise	925	676	670	653	637	631
enterprise association of citizens (religious organisation, trade union)	3680	3288	3313	3276	3268	3283
enterprise founded by consumer partnership	1334	1254	1234	1213	1193	1165
joint-stock company	21157	15571	15206	14710	14310	13902
of which						
public joint-stock partnership	926	3486	3122	2186	1727	1418
private joint-stock partnership	1326	4149	4348	5076	5304	5352
limited liability company	374752	488205	532401	576554	632231	674437
extended liability company	655	1336	1392	1453	1502	1513
full liability company	1483	1361	1378	1344	1322	1315
mixed liability company	419	387	384	377	370	372
cooperative	29275	25763	26460	26975	27524	28071
of which						
production	2149	2321	2306	2248	2222	2206
serve	20507	17439	18169	18654	19055	19547
consumer	659	730	748	749	753	762
agriculture and production	1297	998	997	996	1005	1009
agriculture and serve	808	949	1017	1073	1207	1270

UNIFIED STATE REGISTER OF ENTERPRISES AND ORGANISATIONS OF UKRAINE

Table 14.3 continued

	2011	2016 ¹	2017 ¹	2018 ¹	2019 ¹	2020 ¹
public authorities, organisations (establishment, institution)	104941	102218	101277	99033	96397	93952
of which						
state-run organisation (establishment, institution)	14615	12629	11322	10708	10147	9613
communal (establishment, institution)	62614	61940	62167	61782	60508	59103
private (establishment, institution)	880	955	998	1060	1111	1205
organisation (establishment, institution) public association (religious organisation, trade union, consumer cooperation, etc)	1396	1602	1581	1536	1517	1497
association	2172	2260	2331	2376	2422	2459
corporation	637	560	564	558	556	554
consortium	62	66	69	74	73	79
concern	238	195	195	191	188	185
union of consumer partnerships	352	322	323	319	318	317
other associations of legal persons	1015	756	767	753	750	742
commodity exchange	575	595	613	622	622	620
credit union	1141	1090	1090	1079	1068	1061
consumer partnership	4488	4337	4400	4420	4425	4389
not state pension fund	80	72	72	73	73	74
political party	15038	15557	15817	15791	15485	15322
non-profit organisation	55113	70321	75988	80461	84608	88882
public union	151	753	990	1254	1455	1718
religious organisation	20370	23261	24072	25223	26075	26347
trade union, association of trade unions	23081	26321	26899	27601	28026	28486
creative union (other professional organisation)	248	279	292	311	314	317
charitable organisation	10143	15384	16837	17726	18433	19112
condominium	11635	17109	26080	27999	29916	32700
community association population	1188	1415	1497	1552	1572	1614
Separate units of legal persons	38932	38545	44982	49922	53433	54656
including						
branch (other separate unit)	34977	34278	40636	45332	48573	49583
representative office	3955	4267	4346	4590	4860	5073

¹ Data exclude the temporarily occupied territories of the Autonomous Republic of Crimea and the city of Sevastopol

UNIFIED STATE REGISTER OF ENTERPRISES AND ORGANISATIONS OF UKRAINE

14.4. Number of legal persons, by type of economic activity*(beginning of year)*

	2017	2018	2019	2020
Total legal persons¹	1185071	1235024	1298435	1350627
Agriculture, forestry and fishing	62293	65185	67906	70903
Mining and quarrying	3272	3431	3635	3787
Manufacturing	59261	63309	67078	70497
Electricity, gas, steam and air-conditioning supply	3155	4015	5318	6087
Water supply, sewerage, waste management and remediation	5889	6240	6595	6862
Construction	53083	57947	63169	67694
Wholesale and retail trade; repair of motor vehicles and motorcycles	187925	210534	242334	259985
Transportation and storage, postal and courier activities	24318	26604	29099	31550
Accommodation and food service activities	13047	14067	15062	16323
Information and communication	23249	25468	28185	30761
Financial and insurance activities	8024	8548	9146	9577
Real estate activities	44951	47932	51476	55611
Professional, scientific and technical activities	53816	57875	62833	66953
Administration and support service activities	64383	70285	75513	81829
Public administration and defence, compulsory social security	41429	39636	38709	37771
Education	38730	39251	40450	41187
Human health and social work activities	24374	25864	27082	28329
Arts, entertainment and recreation	10295	10915	11437	11990
Other services	106617	116499	124040	130829

¹ See the footnote to Table 14.3

15. CAPITAL ASSETS

Capital assets are material assets, which the enterprise keeps with the aim of their use for manufacturing or supplying of goods, rendering services, leasing to other persons or performance of administrative and social, and cultural functions. Expected term of useful usage (operation) of capital assets is more than one year (or an operational cycle, if it exceeds one year). They include lands, buildings, constructions and transmitting devices, machines and equipment, vehicles, tools, perennial plants, animals, long-term biological actives for crop and animal production connected with agricultural activity, etc; as well as the capital assets, which are in personal property of the

population (houses, constructions, perennial plants, cattle, etc).

Fixed assets are stated at first cost (revalued).

Value of land plots, real estate, animals (that are used for other, than agricultural activity), is not distributed by types of economic activity.

Data of value fixed assets on budgetary institutions (main managers of budget funds) for 2014–2018 are included in the line "Total" without distribution by type of economic activity.

The information up to and including 2018 does not take into account the value of fixed assets of local executive authorities and local governments.

CAPITAL ASSETS

15.1. Capital assets, by type of economic activity

(end of year; mln. UAH)

	2014	2015	2016	2017	2018	2019
Total	13752117	7641357	8177408	7733905	9610000	9574186
Agriculture, forestry and fishing	171392	210169	270467	341622	407146	469383
Industry	1937821	3842517	3072954	2454483	3271669	3455860
Mining and quarrying	362722	379055	410018	422959	411806	429722
Manufacturing	756277	1656971	1792101	1168230	1257573	1150463
Electricity, gas, steam and air conditioning supply	758886	1736058	796558	781271	1423237	1719131
Water supply, sewerage, waste management and remediation	59936	70433	74277	82023	179053	156544
Construction	64352	62090	72810	78704	91715	117057
Wholesale and retail trade; repair of motor vehicles and motorcycles	125507	135378	175422	195377	215625	304498
Transport and storage, postal and courier activities	9752902	1418312	1562079	1280369	1729587	1187183
Accommodation and food service activities	27276	27985	29772	28786	30964	36209
Information and communication	69440	76546	94243	111757	127085	129537
Financial and insurance activities	49718	51238	70977	66275	68695	96103
Real estate activities	533328	666855	804040	928615	1064119	1113248
Professional, scientific and technical activities	29626	31347	38671	35319	35681	106765
Administrative and support service activities	333493	407506	1173933	1376683	1487471	1535779
Public administration and defence; compulsory social security	389	581	615	264	307	452081
Education	3117	3117	3596	3785	4102	152681
Human health and social work activities	11124	12912	21245	17359	27717	149008
Arts, entertainment and recreation	23038	23581	20901	22306	22466	260239
Other services	1822	2110	2775	2652	3201	8555

CAPITAL ASSETS

15.2. Cost of new fixed assets received during the year, by type of economic activity*(mln. UAH)*

	2014	2015	2016	2017	2018	2019
Total	126162	216697	202120	237793	306147	437695
Agriculture, forestry and fishing	14774	20821	39576	44841	55791	52205
Industry	51703	55930	66488	83762	112773	199102
Mining and quarrying	12651	12923	13962	20882	31071	47465
Manufacturing	22753	34118	38651	43735	57221	71088
Electricity, gas, steam and air conditioning supply	15301	7467	12179	16816	21018	75909
Water supply, sewerage, waste management and remediation	998	1423	1696	2329	3463	4640
Construction	2738	2220	5090	5853	8552	7588
Wholesale and retail trade; repair of motor vehicles and motorcycles	8852	14992	17510	20297	30176	42411
Transport and storage, postal and courier activities	12000	10183	23711	26149	32280	29423
Accommodation and food service activities	740	631	567	703	1192	1720
Information and communication	4890	8280	8633	10738	12873	14864
Financial and insurance activities	4186	2972	5494	6151	6828	8739
Real estate activities	18822	87717	21844	25572	27273	28753
Professional, scientific and technical activities	856	973	2404	2512	2963	5356
Administrative and support service activities	2456	4380	4700	6651	8409	8850
Public administration and defence; compulsory social security	10	23	42	16	17	23562
Education	106	55	108	388	160	4315
Human health and social work activities	352	414	1007	1440	2627	9395
Arts, entertainment and recreation	528	311	393	435	791	1070
Other services	23	42	85	120	201	342

CAPITAL ASSETS

15.3. Degree of depreciation of capital assets, by type of economic activity*(percent)*

	2014	2015	2016	2017	2018	2019
Total	83,5	60,1	58,1	55,1	60,6	56,9
Agriculture, forestry and fishing	38,8	38,9	37,3	35,7	35,4	38,3
Industry	60,3	76,9	69,4	59,1	66,4	59,1
Mining and quarrying	65,3	57,9	54,6	47,2	43,1	36,5
Manufacturing	56,9	75,8	76,4	64,6	64,3	51,4
Electricity, gas, steam and air conditioning supply	61,4	82,6	62,1	57,0	73,7	68,9
Water supply, sewerage, waste management and remediation	57,6	62,0	60,5	60,7	77,4	70,3
Construction	54,4	53,0	36,0	45,7	44,5	51,4
Wholesale and retail trade; repair of motor vehicles and motorcycles	37,3	44,7	39,3	40,4	42,1	40,4
Transport and storage, postal and courier activities	97,9	51,7	50,6	47,6	62,9	54,1
Accommodation and food service activities	35,9	35,6	41,9	40,4	41,7	37,5
Information and communication	57,4	57,9	55,6	61,1	59,9	53,4
Financial and insurance activities	38,5	41,9	39,1	41,5	44,8	34,8
Real estate activities	36,2	37,7	45,8	55,1	57,5	52,0
Professional, scientific and technical activities	58,8	57,3	51,9	54,0	50,3	45,4
Administrative and support service activities	54,2	55,1	80,2	81,6	83,0	85,7
Public administration and defence; compulsory social security	45,9	50,1	59,4	51,0	54,6	42,1
Education	45,0	45,6	42,7	42,4	41,1	45,1
Human health and social work activities	44,0	43,9	53,4	45,6	47,4	46,0
Arts, entertainment and recreation	30,8	32,2	39,2	36,8	40,1	4,6
Other services	37,3	44,6	45,1	43,0	45,9	27,3

16. ENERGY

Energy balances for 2017/2018 are compiled according to Regulation 203-p *On Current and Forecast Energy Balance* of the Cabinet of Ministers of Ukraine dated on March 11, 2011 according to the methodology of *International Energy Agency* (IEA) and which are published following international practice. When compiling energy balance, the indicators of the state statistical reporting and administrative data from Ukraine ministries and departments have been used.

Data on the natural gas are given using standards to measure at 15°C.

The **indicators of the GDP** energy intensity are produced as a ratio of primary energy input /energy final consumption to the GDP unit for the relevant period (according to energy balance data in tones of oil equivalent and the GDP data by purchasing power parity (PPP) compiled by the World Bank under the program *World bank development* (total primary energy delivery/energy final consumption to the GDP; tones of oil equivalent/1000 international dollars by the 2011 PPP)).

Fuel usage and stocks for productive, communal and consumer needs are measured as the sum of expenditures of enterprises. These include expenditures for transformation into other types of fuel and energy; for non-energy purposes (as raw material, materials), for final consumption as well as expenditure on distributing, transporting and storing regardless

of the sources of their supplies (whether they have been bought with own funds or received as raw materials for the processing).

To identify the general amounts of the used fuels, as well as a proportion of the selected types of fuels in the total amount, all types of fuels are recalculated from the physical into the conventional values according to the coal equivalent (7000 kcal/kg).

Energy delivery and supply indicators contains information about the capacity and amounts of electric and heat energy delivered by all types of energy-generated capacities (thermal power plants meant to produce electric energy (CHP), central heating and power plant (thermal power plants with the combined cycle of electric and thermal energy production, TPP), nuclear power plants (NPP), wind power plants, solar power plants, hydroelectric plants, pumped storage plants, boiler units, recycling facilities, electric boilers, heat pumps and other energy-generated units).

The established electric and heat capacities of energy delivery sources are shown as of December 31 of the reference year.

Energy usage indicators contain data on the general amount of usage of electric energy (active energy), heat energy (steam and hot water) by all sources of supply (both from own production and external supplies) for production and exploitation, and utility needs of enterprises.

ENERGY

16.1. Usage of fuel in 2019, by selected type of economic activity

	Usage ¹	Share of usage, by the selected economic activities, percent				
		agriculture, forestry and fishing	industry	construction	transport and storage; postal and courier activities	enterprises and organisations of other types of activity
Total , mln.t of conventional fuel	102,3	3,1	74,9	0,6	4,2	2,0
Coal, mln.t	42,4	0,2	98,5	0,0	0,1	0,6
Natural gas, bln.cub.m	27,8	0,9	59,3	0,1	3,7	5,2
Crude oil, of which oil obtained from bituminous minerals (including gas condensate), mln.t	3,0	0,0	99,7	0,1	0,0	0,2
Gasoline, thsd.t	1711,6	6,5	7,0	1,8	3,4	11,4
Gas oil (diesel fuel), thsd.t	5791,7	27,7	15,9	4,6	27,3	6,5
Heavy pet coke, thsd.t	86,7	0,3	72,8	4,0	16,6	6,2
Kerosene, thsd.t	277,6	0,1	2,5	0,0	95,7	1,6
Liquefied propane and butane, thsd.t	1184,9	3,9	7,7	0,8	1,7	3,7
Olive oil and grease; petroleum distillates heavy, thsd.t	215,1	8,8	80,9	1,5	7,3	1,5
Briquettes, ovoids and similar solid fuels manufactured from coal, thsd.t	4,8	2,2	45,8	0,0	2,0	50,0
Non-agglomerated fuel peat, thsd.t conventional moisture content	443,6	0,0	99,5	0,0	0,0	0,5
Firewood for the heating, thsd. densit cub.m	4114,7	6,2	22,8	0,4	0,7	19,2
Fuel briquettes and pellets from wood and other natural materials, thsd.t	478,1	9,8	71,6	1,7	1,9	14,7

¹ Data from enterprises, organisations and establishments on usage of fuel for production and exploitation, and municipal needs including the amounts sold to the population and retail trade through fuel filling stations

ENERGY

16.2. GDP energy intensity

	2010	2015	2016	2017	2018
GDP by the 2011 purchasing power parity, bln. of international dollars	358,9	319,8	327,2	335,4	346,9
Final energy supply					
Final energy supply, thsd.t of oil equivalent	74004	50831	51649	49911	51171
Energy intensity , t of oil equivalent/thsd. of international dollars by the 2011 purchasing power parity	0,206	0,159	0,158	0,149	0,148
Total primary energy supply					
Total primary energy supply, thsd.t of oil equivalent	132308	90090	94383	89462	93165
Energy intensity , t of oil equivalent/thsd. of international dollars by the 2011 purchasing power parity	0,368	0,282	0,288	0,267	0,269

16.3. Structure of the consumed fuel in 2019, by purpose*(percent)*

	Usage ¹	Of which			
		for conversion to other fuels and energy	for non-energy purposes	final use ¹	distribution, transportation and storage losses
Total	100,0	51,9	3,6	43,5	1,0
Coal	100,0	89,8	0,6	9,6	0,0
Natural gas	100,0	37,3	6,7	52,9	3,1
Crude oil, of which oil obtained from bituminous minerals (including gas condensate)	100,0	99,3	0,3	0,2	0,2
Gasoline	100,0	0,0	0,0	100,0	0,0
Gas oil (diesel fuel)	100,0	0,2	0,0	99,8	0,0
Heavy pet coke	100,0	81,7	1,5	16,8	—
Kerosene	100,0	—	0,3	99,7	—
Liquefied propane and butane	100,0	0,1	0,0	99,9	0,0
Olive oil and grease; petroleum distillates, heavy	100,0	0,4	98,2	1,4	0,0
Briquettes, ovoids and similar solid fuels manufactured from coal	100,0	51,2	—	48,8	—
Non-agglomerated fuel peat	100,0	92,6	0,8	6,4	0,2
Firewood for heating	100,0	37,8	0,7	61,5	—
Fuel briquettes and pellets from wood and other natural materials	100,0	81,7	5,5	12,8	—

¹ See the footnote for Table 16.1

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16.4. Usage of selected types of fuel in 2019, by region¹

(thsd.t)

	Coal	Natural gas, mln.cub.m	Gasoline ²	Gas oil (diesel fuel) ²	Heavy pet coke	Liquefied propane and butane	Firewood for the heating, thsd. densit cub.m	Fuel briquettes and pellets from wood and other natural materials
Ukraine	42439,3	27837,6	1711,6	5791,7	86,7	1184,9	4114,7	478,1
Autonomous Republic of Crimea	...	...	...	...	...	...	...	...
oblasts								
Vinnitsya	2019,0	694,8	56,5	231,3	1,9	55,0	221,6	52,4
Volyn	17,1	393,1	29,7	156,2	0,4	17,8	191,9	11,1
Dnipropetrovsk	8730,3	3515,6	140,9	539,5	3,5	86,2	44,5	48,4
Donetsk	14488,6	1798,8	52,5	211,4	23,8	48,7	37,1	4,4
Zhytomyr	11,7	539,0	45,2	181,5	2,5	43,5	477,5	7,7
Zakarpattya	11,6	359,1	50,0	132,2	0,2	16,0	310,2	3,6
Zaporizhzhya	4588,2	1030,9	87,2	211,6	0,9	62,1	22,9	68,9
Ivano-Frankivsk	5121,0	990,8	40,2	133,3	2,6	25,5	264,3	4,4
Kyiv	1446,5	1622,7	133,6	364,1	8,3	110,4	232,3	56,1
Kirovohrad	226,7	367,5	41,8	183,5	2,0	37,0	155,0	14,6
Luhansk	688,7	637,2	18,7	71,3	1,2	15,7	61,8	4,0
Lviv	1182,8	1338,1	100,7	346,1	0,1	52,3	201,5	40,1
Mykolayiv	162,1	981,0	44,4	232,2	0,7	31,5	31,3	13,7
Odesa	22,1	1604,0	143,5	490,9	9,6	42,0	107,8	7,1
Poltava	15,2	1704,0	74,4	340,6	13,0	76,0	120,4	18,8
Rivne	224,3	475,5	35,3	139,7	1,2	22,7	202,7	22,3
Sumy	82,2	747,7	39,6	111,9	0,0	40,6	288,8	6,2
Ternopil	16,0	478,7	30,5	139,5	—	26,1	92,0	10,6
Kharkiv	1680,1	2471,6	90,7	280,7	9,2	95,2	82,8	31,2
Kherson	29,4	336,9	47,5	132,3	0,7	35,8	23,8	10,1
Khmelnyskiy	409,0	590,2	45,8	182,4	1,5	43,9	166,8	7,4
Cherkasy	434,1	1914,5	66,7	187,7	1,3	43,3	202,4	13,1
Chernivtsi	15,8	302,8	28,7	75,6	0,2	12,1	190,5	2,8
Chernihiv	413,5	520,2	31,9	138,6	0,1	32,3	309,9	5,6
cities								
Kyiv	403,4	2422,8	235,8	577,4	1,6	113,2	74,9	18,3
Sevastopol	...	...	...	...	...	...	...	...

¹ See the footnote for Table 16.1² Including of volumes of retails by filling stations

ENERGY

16.5. Capacity and delivery of energy in 2019, by source for energy supply

	Established electrical capacity, thsd. kW	Amount of electric energy delivered, mln.kW-h	Established heating capacity, Gcal/h	Amount of heating capacity delivered, thsd. Gcal
Total	51444	141213	129045	91009
Thermal power plants	22265	40910	4240	1241
CHP plants	5855	10738	31959	26733
Nuclear power plants	13835	77948	2596	1443
Wind power plants	795	1760	×	×
Solar power plants	1953	1883	—	—
Hydroelectric power stations ¹	6326	7712	×	×
Heat-generating installations, boiler houses	×	×	83974	53954
Other energy-generated installations	415	262	6276	7639

¹ Including hydro pumb stations

16.6. Usage of energy by basic type of economic activity¹

	Electric energy, mln.kW-h			Thermal power, thsd. Gcal		
	2017	2018	2019	2017	2018	2019
Total	89568,4	90820,4	88795,2	58927,6	60109,4	57860,2
Agriculture, forestry and fishing	2424,7	2538,3	2405,3	2177,4	2186,1	1876,9
Agriculture, hunting and related services	2319,5	2425,5	2291,0	1938,1	1928,8	1629,9
Forestry and logging	79,8	87,2	77,0	238,7	256,7	246,1
Fishing	25,4	25,6	34,6	0,6	0,7	0,9
Industry	67365,2	69000,7	68337,8	41927,5	44179,8	43229,1
Mining and quarrying	12121,4	12247,6	12146,4	2169,8	2265,5	1959,9
Mining of coal and lignite	2044,1	2235,2	2053,1	791,3	851,6	653,7
Extraction of crude petroleum and natural gas	630,0	535,4	600,8	516,9	496,0	456,8
Mining of metal ores	8953,9	8936,2	8869,8	639,5	668,8	552,1
Other mining and quarrying	472,6	507,9	470,1	202,0	227,9	228,0
Manufacturing	36268,0	37839,9	37250,3	35998,9	38189,9	37184,9
Manufacture of food products	3601,3	3961,9	3991,0	7617,8	7971,5	7403,8
Manufacture of beverages	401,7	481,6	487,4	520,4	605,7	563,9
Manufacture of tobacco products	76,7	75,4	70,6	50,9	48,6	50,7
Manufacture of textiles	170,2	170,3	177,5	87,9	72,4	124,4
Manufacture of wearing apparel	111,1	130,9	132,4	56,2	112,7	46,9
Manufacture of leather and related products	70,5	67,6	64,4	39,6	35,6	32,7
Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	691,6	815,4	789,3	959,7	988,3	822,6

ENERGY

Table 16.6 continued

	Electric energy, mln.kW·h			Thermal power, thsd. Gcal		
	2017	2018	2019	2017	2018	2019
Manufacture of paper and paper products	868,8	899,0	808,4	1356,8	1511,9	1339,8
Printing and reproduction of recorded media	123,3	119,8	113,2	28,7	26,4	25,3
Manufacture of coke and refined petroleum products	851,0	968,8	824,9	3471,5	3725,7	2931,1
Manufacture of chemicals and chemical products	2381,1	2667,2	3193,3	4372,6	4918,9	6562,3
Manufacture of basic pharmaceutical products and pharmaceutical preparations	160,9	196,2	200,1	171,5	192,1	174,0
Manufacture of rubber and plastic products, manufacture of other non-metallic mineral products	711,8	848,8	837,0	223,0	288,0	265,5
Manufacture of other non-metallic mineral products	2248,9	2572,4	2503,9	709,2	733,3	700,7
Manufacture of basic metals	19122,3	19278,2	18631,7	14765,1	15244,2	14839,4
Manufacture of fabricated metal products, except machinery and equipment	632,2	718,7	710,9	200,5	234,1	182,2
Manufacture of computer, electronic and optical products	162,1	126,8	104,5	57,9	67,6	55,6
Manufacture of electrical equipment	533,0	600,7	517,5	226,8	222,7	163,5
Manufacture of machinery and equipment n.e.c.	1889,2	1575,8	1350,1	422,6	459,7	332,8
Manufacture of motor vehicles, trailers and semi-trailers	200,3	193,4	163,5	54,5	61,8	45,3
Electricity, gas, steam and air conditioning supply	16240,2	16189,7	15609,8	3235,9	3219,1	3602,9
Water supply, sewerage, waste management and remediation	2735,7	2723,6	3331,3	522,8	505,2	481,4
Construction	484,8	507,7	496,1	267,9	158,0	142,6
Wholesale and retail trade; repair of motor vehicles and motorcycles	2419,4	2092,6	1852,8	629,8	292,1	238,6
Transport and storage, postal and courier activities	7060,8	6924,8	6295,4	1440,7	1424,1	1425,0
Information and communication	656,0	689,7	658,2	165,9	136,2	125,2
Financial and insurance activities	183,4	213,1	184,0	114,7	155,7	106,7
Real estate activities	2818,2	3594,3	3528,0	750,6	882,5	834,5
Professional, scientific and technical activities	1069,2	329,5	329,3	599,6	371,3	273,9
Public administration and defence, compulsory social security	1983,7	1858,1	1792,3	5297,1	4595,2	4237,1
Education	835,1	767,6	754,2	2633,7	2670,4	2504,6
Health care and social work activities	839,3	842,7	841,9	2305,1	2310,6	2234,9

¹ Energy use for production and operational, and economic needs of enterprises excluding the volumes delivered to households

ENERGY

16.7. Energy balance

Supply and consumption	Coal and peat	Crude oil	Oil products	Natural gas
Production	13696	2208	—	15472
Imports	12993	1331	9520	11262
Exports	-567	-139	-243	—
International bunkering	—	—	-251	—
Change in stocks	-365	-49	319	-2180
General supply of primary energy	25757	3351	9345	24554
Inter-product transfers	—	241	-209	—
Statistical discrepancies	12	-27	-1622	-194
Power plants	-11803	—	-64	-131
Heat power plant (HPP)	-2139	—	-471	-3007
Central heating plants	-869	—	-46	-4789
Coke enterprises (blast-furnaces)	-2926	—	—	—
Gas enterprises	-35	—	—	—
Enterprises producing briquettes	-1642	—	—	—
Oil-refining enterprises	—	-3666	3009	—
Petrochemical enterprises	—	—	—	—
Other enterprises engaged into transformation	-109	120	—	—
Own consumption by energy sector	-490	-6	-53	-959
Losses due to transportation and distribution	-475	-7	-1	-502
Final consumption	5281	6	9887	14971
Industry	4371	—	374	2627
Ferrous metallurgy	3745	—	62	1398
Chemical and petrochemical	2	—	9	141
Non-ferrous metallurgy	92	—	5	144
Non-metallic mineral products	500	—	5	338
Transport equipment	—	—	13	21
Engineering	2	—	4	122
Mining (excluding fuel)	5	—	167	266
Food and tobacco	24	—	27	151
Cellulose and paper, printing	—	—	1	18
Wood working and wood products	—	—	5	3
Construction	1	—	71	9
Textile and leather	—	—	1	6
Other types of industry	—	—	5	12
Transport	5	—	7356	1612
Domestic air transportation	—	—	—	—
Road	—	—	7186	28
Rail	4	—	132	—
Pipeline	—	—	5	1582
Domestic boat traffic	—	—	33	—
Other mode of transport	1	—	—	2
Others	377	—	1345	9564
Household sector	267	—	56	8830
Trade and services	103	—	137	602
Agriculture	7	—	1152	131
Fishing	—	—	1	—
Other consumers	—	—	—	—
Non-energy uses	528	6	813	1168
Industrial and energy sectors, transformation sector including raw material for industry	528	6	682	1168
On transport	—	—	11	—
In other sectors	—	—	120	—

ENERGY

for 2017

(thsd.t of oil equivalent)

Nuclear power	Hydroelectric power	Wind, solar energy	Bio fuel and wastes	Electric power	Heat power	Total
22449	769	149	3575	—	546	58863
—	—	—	35	4	—	35145
—	—	—	-545	-449	—	-1944
—	—	—	—	—	—	-251
—	—	—	-75	—	—	-2351
22449	769	149	2989	-445	546	89462
—	—	—	—	—	—	32
—	—	—	—	—	75	-1757
-22298	-769	-149	-2	12249	-150	-23116
-151	—	—	-275	1032	3419	-1592
—	—	—	-553	—	5703	-553
—	—	—	—	—	—	-2926
—	—	—	—	—	—	-35
—	—	—	—	—	—	-1642
—	—	—	—	—	—	-657
—	—	—	—	—	—	—
—	—	—	-324	—	—	-313
—	—	—	—	-1301	-1033	-3842
—	—	—	—	-1443	-721	-3150
—	—	—	1835	10092	7839	49911
—	—	—	52	4319	3354	15098
—	—	—	15	1513	1218	7951
—	—	—	—	248	454	855
—	—	—	—	131	259	631
—	—	—	2	193	71	1109
—	—	—	—	71	48	152
—	—	—	2	342	91	563
—	—	—	—	810	84	1333
—	—	—	5	351	819	1376
—	—	—	—	85	139	243
—	—	—	26	60	96	190
—	—	—	1	77	27	185
—	—	—	—	30	18	56
—	—	—	1	408	31	457
—	—	—	45	606	—	9624
—	—	—	—	—	—	—
—	—	—	45	—	—	7259
—	—	—	—	518	—	654
—	—	—	—	57	—	1643
—	—	—	—	—	—	33
—	—	—	—	31	—	34
—	—	—	1738	5167	4485	22675
—	—	—	1678	3013	2643	16487
—	—	—	34	1838	1624	4337
—	—	—	25	313	218	1847
—	—	—	—	2	—	3
—	—	—	—	—	—	—
—	—	—	—	—	—	2515
—	—	—	—	—	—	2384
—	—	—	—	—	—	1202
—	—	—	—	—	—	11
—	—	—	—	—	—	120

ENERGY

16.8. Energy balance

Supply and consumption	Coal and peat	Crude oil	Oil products	Natural gas
Production	14087	2341	—	16487
Imports	13806	1333	10365	8459
Exports	-60	-41	-301	—
International bunkering	—	—	-300	—
Change in stocks	-246	1	81	707
General supply of primary energy	27587	3635	9844	25653
Inter-product transfers	—	387	-219	—
Statistical discrepancies	325	—	-1055	-422
Power plants	-12499	—	-132	-212
Heat power plant (HPP)	-2248	—	-157	-3624
Central heating plants	-679	—	-37	-4912
Coke enterprises (blast-furnaces)	-2935	—	—	—
Gas enterprises	-37	—	—	—
Enterprises producing briquettes	-2402	—	—	—
Oil-refining enterprises	—	-4003	2430	—
Petrochemical enterprises	—	—	—	—
Other enterprises engaged into transformation	-118	—	-28	—
Own consumption by energy sector	-640	-5	-47	-947
Losses due to transportation and distribution	-408	-5	—	-592
Final consumption	5944	9	10599	14943
Industry	5101	—	453	2927
Ferrous metallurgy	4314	—	79	1445
Chemical and petrochemical	3	—	2	216
Non-ferrous metallurgy	102	—	27	150
Non-metallic mineral products	549	—	36	430
Transport equipment	—	—	6	22
Engineering	5	—	11	147
Mining (excluding fuel)	98	—	165	297
Food and tobacco	30	—	20	175
Cellulose and paper, printing	—	—	1	22
Wood working and wood products	—	—	10	1
Construction	2	—	87	9
Textile and leather	—	—	1	6
Other types of industry	1	—	8	7
Transport	5	—	7539	1455
Domestic air transportation	—	—	6	—
Road	—	—	7350	23
Rail	5	—	139	—
Pipeline	—	—	5	1431
Domestic boat traffic	—	—	39	—
Other mode of transport	1	—	—	—
Others	307	—	1384	9677
Household sector	260	—	78	8689
Trade and services	40	—	116	866
Agriculture	7	—	1190	122
Fishing	—	—	1	—
Other consumers	—	—	—	—
Non-energy uses	531	9	1223	884
Industrial and energy sectors, transformation sector including raw material for industry	531	6	437	884
On transport	—	—	12	—
In other sectors	—	3	774	—

ENERGY

for 2018

(thsd.t of oil equivalent)

Nuclear power	Hydroelectric power	Wind, solar energy	Bio fuel and wastes	Electric power	Heat power	Total
22145	897	197	3726	—	534	60413
—	—	—	37	3	—	34003
—	—	—	-542	-524	—	-1468
—	—	—	—	—	—	-300
—	—	—	-26	—	—	517
22145	897	197	3195	-522	534	93165
—	—	—	—	—	—	168
—	—	—	—	—	1	-1152
-21991	-897	-197	-3	12295	-130	-23765
—	—	—	-146	1314	3083	-1778
-154	—	—	-762	—	6208	-337
—	—	—	—	—	—	-2935
—	—	—	—	—	—	-37
—	—	—	—	—	—	-2402
—	—	—	—	—	—	-1573
—	—	—	—	—	—	—
—	—	—	-336	—	—	-482
—	—	—	—	-1423	-1115	-4178
—	—	—	—	-1461	-1057	-3523
—	—	—	1950	10203	7523	51171
—	—	—	30	4448	3542	16501
—	—	—	2	1519	1250	8608
—	—	—	—	268	511	1000
—	—	—	—	138	275	692
—	—	—	1	221	73	1310
—	—	—	1	77	53	159
—	—	—	8	351	98	621
—	—	—	1	812	90	1463
—	—	—	6	390	863	1484
—	—	—	—	88	154	264
—	—	—	6	70	99	187
—	—	—	1	83	16	197
—	—	—	1	32	22	62
—	—	—	3	398	39	455
—	—	—	36	598	—	9633
—	—	—	—	—	—	6
—	—	—	36	—	—	7409
—	—	—	—	461	—	605
—	—	—	—	48	—	1485
—	—	—	—	—	—	39
—	—	—	—	88	—	89
—	—	—	1883	5157	3982	22390
—	—	—	1814	3091	2271	16203
—	—	—	33	1731	1491	4277
—	—	—	37	333	219	1907
—	—	—	—	2	—	3
—	—	—	—	—	—	—
—	—	—	—	—	—	2647
—	—	—	—	—	—	1859
—	—	—	—	—	—	939
—	—	—	—	—	—	12
—	—	—	—	—	—	777

17. INDUSTRY

Index of industrial products is produced in line with international standards for industry according to the Technique approved by decree № 224 of the State Statistics Committee of Ukraine dated on August 2, 2005 (with changes by the decrees № 91 of the State Statistics Service of Ukraine dated on March 14, 2013 and № 61 of January 23, 2020).

The base formula for compiling the Laspeyres volume index. The index compilation is based on data on production progress according to a fixed set of representative goods (more than thousands of items) and the structure of gross value added over the base year. Since 2010 in Ukraine (since 2013 by region) index is produced by type of activity in sections B, C, D (apart from group 35.3) and in line with the *Classification of Types of Economic Activity* (State Classifier 009:2010). Indices for 2015-2018 in Ukraine were revised due to the change of the base year (2016=100%).

The index compilation in Ukraine prior to 2007 (by region before 2009) is based on the chain-linked method on the basis of the monthly indices calculated using the data from enterprises on the value of output over the month at comparable prices.

Over the extended periods, industrial production indices are compiled using the chain-linked method, i.e. by multiplying the indices over the previous year for the needed period.

The production of industrial products by type is shown on the gross output, including the products to be further processed within one enterprises and the products produced for enterprise's own needs.

Information on products production is given according to the Nomenclature of Industrial Products (NIP) which is harmonized with the Statistical Classification of Products by Type of Economic Activity of the European Union (EU) and based on the List of Industrial Products for the EU (PRODCOM).

17.1. Industrial production indices, by type of activity

(percent of the previous year)

	2010	2015	2016	2017	2018	2019
Industry	112,0	87,7	104,0	101,1	103,0	99,5
Mining and manufacturing	112,3	87,9	104,1	102,4	103,0	100,2
Mining and quarrying	104,5	89,8	101,1	96,5	103,4	98,4
Mining of coal and lignite	98,4	63,7	105,6	83,2	106,1	96,9
Extraction of crude petroleum and natural gas	92,5	96,9	99,1	101,8	102,5	100,3
Mining of metal ores	113,8	92,5	101,2	91,5	104,4	97,1
Other mining and quarrying	113,8	86,5	113,3	110,2	101,2	91,6
Manufacturing	116,2	86,9	105,6	105,2	102,9	100,9
Production of foodstuffs, beverages and tobacco products	103,7	89,1	107,4	106,3	98,7	103,3
Manufacture of food products	105,5	88,6	108,9	107,1	98,5	103,9
Manufacture of beverages	105,5	90,3	96,3	100,8	100,8	99,7
Manufacture of tobacco products	89,7	108,2	102,2	95,3	91,4	87,6
Textile industry, sewing of clothes, leather, leather articles and other materials	113,0	96,5	107,9	109,7	96,6	92,5

INDUSTRY

Table 17.1 continued

	2010	2015	2016	2017	2018	2019
Manufacture of textiles	120,5	99,7	104,2	116,2	99,6	92,2
Manufacture of wearing apparel	113,9	94,7	107,7	107,3	95,6	89,8
Manufacture of leather and related products	105,5	97,1	112,3	108,3	95,4	97,9
Manufacture of products of wood, manufacture of paper and printing	111,0	77,4	98,7	108,8	102,2	94,8
Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	115,1	101,3	107,5	105,4	109,2	96,0
Manufacture of paper and paper products	113,7	70,5	95,5	108,4	97,8	92,9
Printing and reproduction of recorded media	97,0	80,0	97,6	117,7	108,3	99,6
Manufacture of coke and refined petroleum products	102,7	82,7	106,8	93,4	106,8	103,1
Manufacture of chemicals and chemical products	121,5	81,9	103,2	102,3	115,3	112,9
Manufacture of basic pharmaceutical products and pharmaceutical preparations	115,9	91,9	110,4	103,6	95,0	103,7
Manufacture of rubber and plastic products, manufacture of other non-metallic mineral products	112,9	95,0	111,1	105,3	100,8	106,7
Manufacture of rubber and plastic products	111,5	92,1	111,2	106,2	104,3	102,7
Manufacture of other non-metallic mineral products	113,6	97,0	111,1	104,8	98,6	109,4
Manufacture of basic metals, manufacture of fabricated metal products, except machinery and equipment	115,2	86,4	105,0	97,4	100,8	98,6
Manufacture of basic metals	113,8	86,9	105,2	94,5	99,9	97,8
Manufacture of fabricated metal products, except machinery and equipment	120,8	83,6	104,0	118,5	105,5	103,3
Engineering	141,3	85,2	101,8	111,7	112,4	97,8
Manufacture of computer, electronic and optical products	106,1	71,0	109,3	119,6	122,8	91,6
Manufacture of electrical equipment	160,0	83,0	107,7	113,0	105,2	94,7
Manufacture of machinery and equipment n.e.c.	133,9	91,1	100,0	104,4	110,7	102,5
Manufacture of transport equipment, trailers and semi-trailers and other	152,6	84,4	99,0	116,6	115,3	96,8
Manufacture of motor vehicles, trailers and semi-trailers	125,7	94,4	94,8	111,6	101,8	74,3
Manufacture of other transport equipment	158,2	81,5	100,4	118,2	119,3	102,5
Manufacture of furniture and other manufacturing, repair and installation of machinery and equipment	119,7	83,0	106,2	111,9	110,4	103,0
Manufacture of furniture	121,6	88,7	103,6	120,3	101,6	110,3
Other manufacturing	124,6	82,0	109,5	107,2	118,5	98,1
Electricity, gas, steam and air conditioning supply	109,7	87,0	103,1	94,0	103,0	95,6

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17.2. Industrial production indices, by region

(percent of the previous year)

	2005	2010	2015	2016	2017	2018	2019
Ukraine	103,1	112,0	87,7	104,0	101,1	103,0	99,5
Autonomous Republic of Crimea	113,8	110,5	...	...	...	...	...
oblasts							
Vinnitsya	113,1	106,5	104,0	105,3	108,2	99,2	114,7
Volyn	121,9	126,7	98,6	100,2	105,7	102,2	94,9
Dnipropetrovsk	107,4	116,1	92,1	99,3	100,1	103,0	101,0
Donetsk	92,1	114,7	65,4	106,4	89,1	102,6	100,6
Zhytomyr	113,1	108,2	110,0	105,7	109,5	97,5	94,3
Zakarpattia	107,7	142,9	79,7	105,9	100,3	105,1	86,1
Zaporizhzhya	103,7	107,8	95,3	96,9	106,2	103,6	95,5
Ivano-Frankivsk	104,8	100,2	89,1	95,5	112,0	110,3	95,6
Kyiv	117,6	108,0	93,0	106,2	110,3	102,0	99,7
Kirovohrad	110,5	113,3	82,9	120,3	105,5	102,2	103,6
Luhansk	101,6	107,1	34,0	139,0	69,0	83,0	96,0
Lviv	93,2	100,9	98,5	99,3	106,0	102,4	97,0
Mykolayiv	107,1	110,3	91,1	110,5	101,5	104,0	98,3
Odesa	99,5	102,9	96,1	109,2	112,2	92,4	107,4
Poltava	97,6	112,6	96,2	100,1	98,9	101,5	98,8
Rivne	113,2	129,6	100,3	98,1	109,3	95,6	106,9
Sumy	113,5	93,5	98,4	91,2	101,7	110,3	98,3
Ternopil	109,0	102,5	92,1	110,3	108,5	98,2	98,3
Kharkiv	112,5	105,8	88,2	105,8	106,1	102,9	96,7
Kherson	88,1	100,5	98,1	102,0	103,2	101,1	104,4
Khmelnytskyi	118,6	104,9	95,7	104,7	101,6	95,3	85,5
Cherkasy	113,6	117,1	90,8	106,3	99,1	102,3	101,3
Chernivtsi	109,6	111,9	98,3	96,9	106,7	105,8	100,3
Chernihiv	111,1	99,8	91,2	105,8	96,5	99,2	89,9
cities							
Kyiv	115,4	104,1	94,6	104,4	95,8	98,1	98,0
Sevastopol	116,8	114,4

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17.3. Industrial production indices of foodstuffs, beverages and tobacco products enterprises, by type of activity*(percent of the previous year)*

	2010	2015	2016	2017	2018	2019
Production of foodstuffs, beverages and tobacco products	103,7	89,1	107,4	106,3	98,7	103,3
Manufacture of food products	105,5	88,6	108,9	107,1	98,5	103,9
Processing and preserving of meat and production of meat products	107,7	100,2	104,1	104,3	99,9	102,0
Processing and preserving of fish, crustaceans and molluscs	99,1	78,5	128,4	109,2	114,1	104,0
Processing and preserving of fruit and vegetables	90,8	84,7	106,0	101,6	109,9	99,4
Manufacture of vegetable and animal oils and fats	105,4	85,9	118,4	117,5	97,9	113,7
Manufacture of dairy products	98,6	91,7	99,7	100,8	101,7	95,1
Manufacture of grain mill products, starches and starch products	96,9	101,1	103,1	98,9	89,2	104,1
Manufacture of grain mill products	93,5	94,7	97,7	95,1	91,2	104,2
Manufacture of bakery and farinaceous products	103,2	85,3	97,6	98,5	95,0	94,0
Manufacture of bread; manufacture of fresh pastry goods and cakes	100,4	87,4	96,0	95,4	93,2	91,1
Manufacture of rusks and biscuits; manufacture of preserved pastry goods and cakes	107,7	80,7	101,4	105,1	99,2	99,3
Manufacture of other food products	116,9	77,6	111,3	102,2	98,3	93,4
Manufacture of sugar	143,6	69,1	133,6	100,9	89,6	82,8
Manufacture of cocoa, chocolate and sugar confectionery	104,7	83,2	97,2	106,5	107,7	111,3
Processing of tea and coffee	126,8	93,6	103,6	95,1	104,0	97,3
Manufacture of condiments and seasonings	105,4	84,2	100,8	103,3	100,0	101,6
Manufacture of other food products	120,4	74,7	93,8	102,3	104,9	64,1
Manufacture of beverages	105,5	90,3	96,3	100,8	100,8	99,7
Distilling, rectifying and blending of spirits	106,4	91,8	86,4	88,7	93,3	95,6
Manufacture of wine from grape	119,3	131,4	103,5	97,2	88,0	85,6
Manufacture of soft drinks; production of mineral waters and other bottled waters	104,2	92,8	105,6	114,9	111,2	107,7
Manufacture of tobacco products	89,7	108,2	102,2	95,3	91,4	87,6

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17.4. Industrial production indices of coke and refined petroleum products enterprises, by type of activity

(percent of the previous year)

	2010	2015	2016	2017	2018	2019
Manufacture of coke and refined petroleum products	102,7	82,7	106,8	93,4	106,8	103,1
Manufacture of coke oven products	106,8	83,7	110,7	81,4	104,5	92,9
Manufacture of refined petroleum products	97,2	...	...	...	...	...

17.5. Industrial production indices for chemicals and chemical products, by type of activity

(percent of the previous year)

	2010	2015	2016	2017	2018	2019
Manufacture of chemicals and chemical products	121,5	81,9	103,2	102,3	115,3	112,9
Manufacture of basic chemicals, fertilisers and nitrogen compounds, plastics and synthetic rubber in primary forms	129,1	82,0	101,3	98,6	123,7	124,6
Manufacture of paints, varnishes and similar coatings, printing ink and mastics	105,3	88,8	113,2	103,4	102,9	115,8
Manufacture of soap and detergents, cleaning and polishing preparations, perfumes and toilet preparations	114,1	77,9	99,0	100,3	104,8	89,4

17.6. Industrial production indices of rubber and plastic products, manufacture of other non-metallic mineral products, by type of activity

(percent of the previous year)

	2010	2015	2016	2017	2018	2019
Manufacture of rubber and plastic products, manufacture of other non-metallic mineral products	112,9	95,0	111,1	105,3	100,8	106,7
Manufacture of rubber and plastic products	111,5	92,1	111,2	106,2	104,3	102,7
Manufacture of rubber products	102,1	79,2	136,3	93,9	99,5	107,5
Manufacture of plastics products	113,8	93,5	108,8	107,6	104,8	102,2
Manufacture of other non-metallic mineral products	113,6	97,0	111,1	104,8	98,6	109,4
Manufacture of glass and glass products	114,1	88,9	102,1	107,3	99,2	115,4
Manufacture of refractory products	135,9	84,8	113,5	117,1	96,1	95,1
Manufacture of clay building materials	106,2	90,4	104,8	109,8	99,0	93,7
Manufacture of other porcelain and ceramic products	111,6	101,1	90,4	96,3	105,2	91,0
Manufacture of cement, lime and plaster	102,0	97,4	105,7	101,4	99,2	99,2
Manufacture of articles of concrete, cement and plaster	109,7	100,0	118,6	98,8	97,0	127,7
Manufacture of abrasive products and non-metallic mineral products	154,2	118,5	121,2	117,4	100,7	99,3

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17.7. Industrial production indices of engineering, by type of activity

(percent of the previous year)

	2010	2015	2016	2017	2018	2019
Engineering	141,3	85,2	101,8	111,7	112,4	97,8
Manufacture of computer, electronic and optical products	106,1	71,0	109,3	119,6	122,8	91,6
Manufacture of consumer electronics for sound and images acceptance, recording and playing	100,1	35,9	38,7	119,1	113,6	97,5
Manufacture of irradiation, electromedical and electrotherapeutic equipment	97,9	132,4	141,0	84,0	90,4	102,8
Manufacture of electrical equipment	160,0	83,0	107,7	113,0	105,2	94,7
Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus	216,0	73,1	116,3	120,2	105,5	90,3
Manufacture of electric motors, generators and transformers	258,9	65,0	121,4	122,3	106,6	91,7
Manufacture of electricity distribution and control apparatus	149,7	95,6	106,6	115,6	102,8	87,2
Manufacture of batteries and accumulators	159,0	79,9	106,5	93,4	77,4	97,0
Manufacture of wiring and wiring devices	119,9	94,7	95,2	103,6	106,0	127,6
Manufacture of electric lighting equipment	130,2	89,3	108,4	69,4	91,0	86,3
Manufacture of domestic appliances	112,7	89,3	118,9	113,8	108,5	90,3
Manufacture of other electrical equipment	125,7	103,5	83,6	123,1	111,8	71,0
Manufacture of machinery and equipment n.e.c.	133,9	91,1	100,0	104,4	110,7	102,5
Manufacture of general-purpose machinery	123,0	93,3	87,4	94,1	107,3	94,3
Manufacture of other general-purpose machinery	155,8	94,9	103,5	112,2	108,2	103,2
Manufacture of agricultural and forestry machinery	215,4	105,3	120,5	101,2	85,4	90,2
Manufacture of metal forming machinery and machine tools	121,1	101,9	99,5	105,1	101,8	107,2
Manufacture of other special-purpose machinery	127,5	77,7	113,9	118,7	131,3	115,6
Manufacture of machinery for metallurgy	140,4	93,2	106,4	103,6	99,7	109,5
Manufacture of machinery for mining, quarrying and construction	95,6	59,0	103,5	129,7	102,8	104,1
Manufacture of machinery for food, beverage and tobacco processing	124,5	108,3	127,7	100,7	100,2	94,4
Manufacture of transport equipment, trailers and semi-trailers and other	152,6	84,4	99,0	116,6	115,3	96,8
Manufacture of motor vehicles, trailers and semi-trailers	125,7	94,4	94,8	111,6	101,8	74,3
Manufacture of motor vehicles	124,2	42,3	74,7	162,3	89,7	130,2
Manufacture of parts and accessories for motor vehicles	127,7	140,5	99,6	101,6	106,2	58,5
Manufacture of other transport equipment	158,2	81,5	100,4	118,2	119,3	102,5
Manufacture of railway locomotives and rolling stock	245,3	46,7	133,9	196,9	132,4	104,1

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17.8. Industrial products sold (goods, services), by type of economic activity

	2010		2015		2018		2019	
	mln. UAH	percentage of total	mln. UAH	percentage of total	mln. UAH	percentage of total	mln. UAH	percentage of total
Industry¹	1065850,5	100,0	1776603,7	100,0	3045201,9	100,0	2938830,8	100,0
Mining and quarrying	106055,1	10,0	191599,3	10,8	391471,1	12,8	394789,1	13,4
Manufacturing	716400,6	67,2	1139213,2	64,1	1885406,2	61,9	1779235,3	60,6
Production of foodstuffs, beverages and tobacco products	193055,6	18,1	398023,2	22,4	589854,5	19,4	586034,0	19,9
Textile industry, sewing of clothes, leather, leather articles and other materials	8425,4	0,8	17384,4	1,0	31129,7	1,0	29655,9	1,0
Manufacture of products of wood, manufacture of paper and printing	27128,8	2,6	60146,2	3,4	104062,0	3,4	96172,1	3,3
Manufacture of coke and refined petroleum products	75004,1	7,0	59971,7	3,4	117269,5	3,8	85229,9	2,9
Manufacture of chemicals and chemical products	35503,0	3,3	68010,1	3,8	78254,9	2,6	78954,5	2,7
Manufacture of basic pharmaceutical products and pharmaceutical preparations	7404,3	0,7	20295,8	1,1	34633,2	1,1	37385,8	1,3
Manufacture of rubber and plastic products, manufacture of other non-metallic mineral products	46629,1	4,4	85969,9	4,8	161113,1	5,3	159429,5	5,4
Manufacture of basic metals, manufacture of fabricated metal products, except machinery and equipment	200635,8	18,8	278502,8	15,7	492706,7	16,2	419545,9	14,3
Engineering	99270,5	9,3	115261,7	6,5	208676,4	6,9	209601,1	7,2
Manufacture of computer, electronic and optical products	7008,4	0,7	8772,9	0,5	16975,2	0,6	16616,7	0,6
Manufacture of electrical equipment	16193,4	1,5	24038,5	1,3	43098,9	1,4	39925,8	1,4
Manufacture of machinery and equipment n.e.c.	31222,4	2,9	41998,0	2,4	70237,3	2,3	70211,8	2,4
Manufacture of transport equipment, trailers and semi-trailers and other	44846,3	4,2	40452,3	2,3	78365,0	2,6	82846,8	2,8
Manufacture of furniture and other manufacturing, repair and installation of machinery and equipment	23344,0	2,2	35647,4	2,0	67706,2	2,2	77226,5	2,6
Electricity, gas, steam and air conditioning supply	221808,4	20,8	424705,2	23,9	736102,5	24,2	728848,4	24,8
Water supply, sewerage, waste management and remediation	21586,4	2,0	21086,0	1,2	32222,1	1,1	35958,0	1,2

¹ Data have been compiled by functional approach (a way to integrate data according to which performance indicators are compiled by homogeneous type of activity)

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17.9. Output of selected types of products by mining and quarrying industry

(mln.t)

	Coal of hard ¹	Non-agglomerated fuel peat (conventional moisture)	Crude oil (including gas condensate natural)	Natural gas, liquified or gaseous, bln.cub.m
2000	61,6	0,4	3,7	17,9
2005	60,0	0,6	4,4	20,8
2010	55,0	0,4	3,6	20,5
2015	30,2	0,5	2,5	19,9
2016	31,6	0,5	2,3	20,0
2017	24,2	0,5	2,2	20,5
2018	26,3	0,5	2,3	20,8
2019	25,5	0,5	2,4	20,5

¹ Includes enrichment product and ordinary coal shipped to customers without enrichment

17.10. Output of selected types of products by foodstuffs and beverages

	Grated, powdered, blue-veined and other non-processed cheese excluding fresh cheese, whey cheese and curd), thsd.t	Wheat or meslin flour, thsd.t	Refined white beet sugar in solid form, thsd.t	Sparkling wine of fresh grapes (excluding champagne; alcohol duty), thsd.dal	Beer made from malt (excluding non-alcoholic beer, beer containing ≤ 0,5% by volume of alcohol, alcohol duty) ¹ , mln.dal	Waters, with added sugar, other sweetening matter or flavoured, i.e. soft drinks (including mineral and aerated), mln.dal
2000	50,0	2710,0	1551,7	3418,0	107,6	...
2005	223,6	2679,6	1899,6	4866,5	235,3	162,3
2010	185,8	2422,5	1546,2	6025,2	306,6	134,4
2015	96,6	2056,4	1459,3	4753,6	194,8	100,4
2016	86,5	1974,0	1997,0	4740,9	180,8	107,8
2017	94,3	1991,0	2042,7	3733,4	179,5	131,7
2018	97,0	1746,0	1753,6	3399,1	181,9	144,1
2019	86,1	1737,6	1490,0	2690,9	181,6	154,0

¹ For 2000, including non-alcoholic beer and beer with an alcoholic content of no more than 0,5%

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17.11. Output of selected types of engineering

(thsd.pcs)

	Tractors of an engine power > 59 kW, excluding pedestrian-controlled tractors, road tractors for semi-trailers, track-laying tractors	Seeders, planters and transplanters	Television receivers, whether or not combined with radio-broadcast receivers or sound or video recording or reproduction apparatus	Filament lamps of a power ≤ 200 W and for a voltage > 100 V including reflector lamps (excluding ultraviolet, infrared lamps, tungsten halogen filament lamps and sealed beam lamp units), mln.pcs	Washing machines and machines for drying clothes everyday ¹	Motor vehicles for the transport of 10 or more persons	Bicycles and other cycles (including delivery tricycles), nonmotorised
2000	...	...	62,4	150,1	125,5	3,6	19,4
2005	3,6	11,5	651,2	c	321,9	4,7	311,9
2010	3,9	4,1	69,3	c	166,9	2,8	110,7
2015	2,8	4,2	c	117,8	270,3	1,0	112,0
2016	3,3	4,8	c	108,9	356,1	0,6	128,0
2017	3,3	5,3	c	70,7	326,3	0,9	94,8
2018	2,4	3,8	c	c	340,9	1,0	141,7
2019	1,4	3,2	c	c	300,2	1,1	127,5

¹ 2000 – washing machines

17.12. Output of industrial products, by type

	2015	2016	2017	2018	2019
Mining and quarrying					
Coal of hard, mln.t	30,2	31,6	24,2	26,3	25,5
Crude oil, including oil obtained from bituminous minerals, mln.t	1,8	1,6	1,5	1,6	1,7
Gas condensate natural, supplied from natural gas field, mln.t	0,7	0,6	0,7	0,7	0,7
Natural gas, liquified or gaseous, bln.cub.m	19,9	20,0	20,5	20,8	20,5
Agglomerated iron concentrates, mln.t	55,2	56,7	50,8	53,1	51,7
Plaster and anhydrite, mln.t	1,3	1,3	1,5	1,4	1,4
Limestone flux, limestone and other calcareous stone used for the manufacture of lime or cement (excluding crushed limestone aggregate and calcareous dimension stone), mln.t	7,6	7,7	6,6	6,1	6,9
Chalk, mln.t	0,1	0,2	0,1	0,2	0,3
Silica sands (quartz sands or industrial sands), mln.t	2,2	2,3	2,2	1,9	2,6
Construction sands such as clayey sands; kaolinic sands; feldspathic sands (excluding silica sands, metal bearing sands), mln.t	10,0	11,9	14,3	13,7	14,1

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Table 17.12 continued

	2015	2016	2017	2018	2019
Granules, chippings and powder of travertine, ecaussine, granite, porphyry, basalt, sandstone and other monumental stone, mln.t	12,7	12,4	14,6	14,2	12,7
Kaolin, not calcined, mln.t	1,8	2,3	2,4	2,1	1,8
Kaolinitic clays (ball and plastic clays), mln.t	0,8	0,6	0,1	0,1	0,4
Non-agglomerated fuel peat (conventional moisture), mln.t	0,5	0,5	0,5	0,5	0,5
Salt (including denatured salt) and pure sodium chloride, whether or not in aqueous solution or containing added anti-caking or free-flowing agents, mln.t	2,1	1,8	1,8	2,2	2,1
Production of foodstuffs, beverages and tobacco products					
Fresh or chilled carcasses, half-carcasses and quarters with bone in, of beef and veal, thsd.t	50,0	59,1	58,5	56,3	55,8
Fresh or chilled carcasses and half-carcasses, of pig meat (including fresh meat packed with salt as a temporary preservative), thsd.t	235,4	237,5	228,2	222,7	226,2
Frozen carcasses, half-carcasses, quarters and cuts, of beef and veal, thsd.t	20,7	15,2	18,4	20,2	16,6
Frozen carcasses and half-carcasses, of pig meat, thsd.t	12,4	7,4	6,6	6,7	11,8
Fresh or chilled whole chickens, thsd.t	325,9	294,8	319,8	266,9	249,0
Fresh or chilled cuts of chicken, thsd.t	361,9	376,2	455,8	412,4	391,0
Frozen whole chickens, thsd.t	145,0	216,7	76,8	103,8	128,4
Liver sausages and similar products and food preparations based thereon (excluding prepared meals and dishes), thsd.t	7,2	6,2	6,0	5,6	5,1
Sausages and similar products of meat, offal or blood and food preparations based thereon (excluding liver sausages and prepared meals and dishes), thsd.t	228,8	233,0	247,1	247,8	236,6
Tomato juice, mln.l	44,1	44,2	44,2	47,3	45,4
Apple juice, mln.l	86,1	74,6	74,0	105,9	100,6
Mixtures of fruit and vegetable juices, mln.l	188,6	187,1	186,8	184,3	188,6
Unconcentrated juice of any single fruit or vegetable, not fermented and not containing added spirit (excluding orange, grapefruit, pineapple, tomato, grape and apple juices), mln.l	67,2	60,6	69,9	75,8	70,8
Peas, preserved otherwise than by vinegar or acetic acid, except prepared vegetable dishes, thsd.t	15,9	13,9	11,8	11,9	12,5
Concentrated tomato puree and paste, thsd.t	94,2	92,1	112,5	112,4	108,2
Prepared or preserved sweetcorn (excluding prepared vegetable dishes and sweetcorn dried, frozen or preserved by vinegar or acetic acid), thsd.t	14,0	14,9	14,2	16,6	14,6
Vegetables (excluding potatoes), fruit, nuts and other edible parts of plants, prepared or preserved by vinegar or acetic acid, thsd.t	25,3	23,3	29,3	29,7	31,2
Jams, marmalades, fruit jellies, fruit or nut purees and pastes, being cooked preparations (excluding of citrus fruit, homogenised preparations), thsd.t	46,1	49,8	44,4	63,2	57,1
Crude sunflower-seed oil and its fractions (excluding chemically modified), mln.t	3,7	4,4	5,4	5,1	5,8
Margarine and reduced and low fat spreads (excluding liquid margarine), thsd.t	142,0	134,6	140,9	136,6	140,4

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Table 17.12 continued

	2015	2016	2017	2018	2019
Other edible preparations of fats and oils, including liquid margarine, thsd.t	50,0	52,4	88,3	85,2	106,1
Milk and cream of a fat content by weight of ≤ 1%, not concentrated nor containing added sugar or other sweetening matter, in immediate packings of a net content > 2 l, thsd.t	461,1	467,2	464,3	442,7	435,0
Milk and cream of a fat content by weight of > 1% but ≤ 6%, not concentrated nor containing added sugar or other sweetening matter, in immediate packings of a net content ≤ 2 l, thsd.t	472,3	462,8	478,2	496,7	474,1
Milk and cream of a fat content by weight of > 21%, not concentrated nor containing added sugar or other sweetening matter, in immediate packings of > 2 l, thsd.t	51,3	53,2	47,9	48,6	51,3
Skimmed milk powder (milk and cream in solid forms, of a fat content by weight of ≤ 1,5%), in immediate packings of > 2,5 kg, thsd.t	51,2	48,5	47,6	38,1	34,5
Butter of a fat content by weight ≤ 85%, thsd.t	101,0	102,0	108,4	105,0	91,6
Unripened or uncured cheese (fresh cheese) (including whey cheese and curd), thsd.t	67,8	70,2	68,2	72,6	64,0
Grated, powdered, blue-veined and other non-processed cheese (excluding fresh cheese, whey cheese and curd), thsd.t	96,6	86,5	94,3	97,0	86,1
Processed cheese (excluding grated or powdered), thsd.t	27,0	26,2	27,1	28,6	29,5
Condensed or evaporated milk, sweetened, thsd.t	51,6	44,4	42,8	34,9	35,7
Curdled milk, cream, yogurt and other fermented products, thsd.t	297,2	293,2	272,2	274,5	280,5
Flavoured liquid yoghurt or acidified milk (curdled milk; cream; yoghurt and other fermented products flavoured or containing added fruit; nuts or cocoa), thsd.t	105,8	112,1	116,3	125,9	135,8
Ice cream and other edible ice (including sherbet, lollipops) (excluding mixes and bases for ice cream), mln.l	135,8	148,9	151,8	156,3	157,4
Wheat or meslin flour, mln.t	2,1	2,0	2,0	1,7	1,7
Bread and bakery products, short storage, mln.t	1,2	1,2	1,1	1,0	0,9
Sweet biscuits (including sandwich biscuits; excluding those completely or partially coated or covered with chocolate or other preparations containing cocoa), thsd.t	167,0	162,9	176,9	170,7	158,9
Waffles and wafers (including salted) (excluding those completely or partially coated or covered with chocolate or other preparations containing cocoa), thsd.t	47,9	49,5	51,0	51,2	52,6
Uncooked pasta (excluding containing eggs, stuffed or otherwise prepared), thsd.t	86,8	95,9	88,2	79,3	73,8
Refined white beet sugar in solid form, mln.t	1,5	2,0	2,0	1,8	1,5
Chocolate blocks, slabs or bars (excluding filled, with added cereal; fruit or nuts, chocolate biscuits), thsd.t	16,5	16,5	18,6	22,2	24,7
Chocolates (excluding those containing alcohol, in blocks, slabs or bars), thsd.t	59,5	52,3	53,3	53,4	66,6
Sugar confectionery and substitutes therefor made from sugar substitution products, containing cocoa (including chocolate nougat) (excluding white chocolate), thsd.t	77,2	70,3	70,4	64,4	47,0
Gums, fruit jellies and fruit pastes in the form of sugar confectionery (excluding chewing gum), thsd.t	39,0	39,7	41,0	44,2	47,7
Boiled sweets, thsd.t	27,3	29,3	23,0	21,6	29,3

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Table 17.12 continued

	2015	2016	2017	2018	2019
Toffees, caramels and similar sweets, thsd.t	83,7	75,6	78,2	75,1	77,6
Spreads, with a mass fraction of total fat from 50% to 85%, including milk fat in the fat phase of not less than 25%, and mixtures of fat, with a mass fraction of total fat of not less than 99,0%, including milk fat in the fat phase not less than 25%, thsd.t	36,3	29,4	24,8	35,4	30,5
Brands (including cognac of Ukraine), mln.l alc. 100%	11,9	10,9	9,7	9,0	9,3
Vodka of an alcoholic strength by volume of ≤ 45,4%, mln.l alc. 100%	74,0	66,2	54,4	50,9	47,7
Spirits, liqueurs and other spirituous beverages (excluding spirits distilled from grape wine, grape marc or fruit/whisky, rum, tafia, gin and geneva, vodka of an alcoholic strength by volume of ≤ 45,4%, spirits distilled from fruit) (important: excluding alcohol duty), mln.l alc. 100%	9,5	6,6	7,5	7,9	8,7
Sparkling wine from fresh grapes (excluding champagne; alcohol duty), mln.dal	4,8	4,7	3,7	3,4	2,7
Wine must with fermentation prevented or arrested by the addition of alcohol, of an alcoholic strength ≤ 15% (excluding sparkling wine and wine (PDO)), mln.dal	6,7	6,1	6,7	7,2	6,7
Beer made from malt (excluding nonalcoholic beer, beer containing ≤ 0,5% by volume of alcohol, alcohol duty), mln.dal	194,8	180,8	179,5	181,9	181,6
Natural mineral spring waters, mln.dal	36,0	43,2	45,4	54,9	63,4
Fizzy natural mineral waters, mln.dal	72,8	73,1	73,9	85,5	89,7
Waters, with added sugar, other sweetening matter or flavoured, i.e. soft drinks (including mineral and aerated), mln.dal	100,4	107,8	131,7	144,1	154,0
Cigarettes containing tobacco or mixtures of tobacco and tobacco substitutes (excluding tobacco duty), bln.pcs	92,9	98,2	92,2	84,1	68,5
Manufacture of textiles, apparel, leather and related products					
Woven fabrics of cotton, not of yarns of different colours, weighing > 200 g/m ² , for clothing, mln.sq.m	4,5	4,2	3,8	4,4	4,0
Woven fabrics of man-made filament yarns obtained from high tenacity yarn, strip or the like (including nylon, other polyamides, polyester, viscose rayon), mln.sq.m	45,4	53,3	67,2	62,7	67,7
Woven fabrics of synthetic filament yarns (excluding those obtained from high tenacity yarn or strip and the like), mln.sq.m	c	11,3	12,3	12,3	12,3
Pile fabrics, terry fabrics, knitted or crocheted, thsd.t	2,2	2,2	2,6	1,2	1,0
Knitted or crocheted fabrics (excluding pile fabrics), thsd.t	5,3	5,5	6,8	8,2	7,5
Bed linen of knitted or crocheted textiles, thsd.t	5,8	6,0	7,7	7,6	6,8
Woven carpets and other woven textile coverings (excluding tufted or flocked), mln.sq.m	2,4	2,6	4,2	5,1	5,7
Non-wovens of a weight of > 70 g/m ² but ≤ 150 g/m ² (including articles made from non-wovens) (excluding articles of apparel, coated or covered), thsd.t	4,0	4,6	6,2	5,9	6,5
Non-wovens of a weight of > 150 g/m ² (including articles made from non-wovens) (excluding articles of apparel, coated or covered), thsd.t	11,6	12,7	13,8	12,4	14,1
Women's or girls' jackets and blazers, of knitted or crocheted textiles, thsd.pcs	380,9	376,0	373,7	410,7	356,3
Women's or girls' dresses, of knitted or crocheted textiles, mln.pcs	1,3	1,5	1,4	1,4	1,2
Men's or boys' coats, short coats, raincoats, cloaks, etc, thsd.pcs	318,1	328,7	356,9	334,0	376,3
Men's or boys' suits and ensembles of textile fabrics, not knitted or crocheted, thsd.pcs	346,5	437,3	400,3	419,0	255,2
Men's or boys' jackets and blazers, of textile fabrics, not knitted or crocheted, thsd.pcs	865,3	764,8	811,2	712,2	735,3
Women's or girls' overcoats, raincoats, etc, thsd.pcs	924,5	937,7	860,0	809,4	688,3

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Table 17.12 continued

	2015	2016	2017	2018	2019
Women's or girls' jackets and blazers of textile fabrics, not knitted or crocheted, mln.pcs	1,5	1,4	1,4	1,4	1,1
Women's or girls' dresses, not knitted or crocheted, mln.pcs	1,2	1,5	1,7	1,5	1,8
Women's or girls' skirts and divided skirts, not knitted or crocheted, thsd.pcs	1011,4	960,2	739,3	775,3	604,8
Women's or girls' briefs and panties, of knitted or crocheted textiles (including boxer shorts), mln.pcs	3,9	3,5	4,3	4,1	4,6
Men's or boys' shirts, not knitted or crocheted, mln.pcs	1,3	1,4	1,5	1,3	1,2
Women's or girls' blouses, shirts and shirt-blouses, of textile fabric not knitted or crocheted, mln.pcs	1,2	1,6	1,7	1,7	1,4
Brassieres, mln.pcs	4,1	4,3	4,2	4,3	3,4
T-shirts, singlets and vests, knitted or crocheted, mln.pcs	5,0	5,3	6,1	6,5	5,0
Women's or girls' swimwear, of knitted or crocheted textiles, thsd.pcs	637,3	621,5	647,8	819,8	801,3
Panty hose and tights, of knitted or crocheted synthetic fibres, measuring per single yarn < 67 decitex, mln.pcs	31,9	25,8	27,7	26,8	21,3
Knitted or crocheted hosiery and footwear (including socks), mln. pairs	48,2	50,5	52,0	57,4	54,7
Men's or boys' jerseys, pullovers, sweatshirts, waistcoats and cardigans, of wool or fine animal hair (excluding jerseys and pullovers containing ≥ 50% of wool and weighing ≥ 600 g), thsd.pcs	197,2	218,4	190,1	177,3	173,6
Lightweight fine knit roll, polo or turtle neck jumpers and pullovers, of cotton, thsd.pcs	172,5	267,8	168,1	116,6	99,4
Women's or girls' jerseys, pullovers, sweatshirts, waistcoats and cardigans, of cotton (excluding lightweight fine knit roll, polo or turtle neck jumpers and pullovers), thsd.pcs	0,8	182,4	242,3	189,3	203,1
Traveling bags, suitcases road handbags-bag for cosmetics and toiletries, briefcases for documents, school bags and things like that are made of leather or of composition leather, patent leather, sheeting of plastics, of textile materials, aluminum and other materials, mln.pcs	1,9	2,1	1,8	2,0	1,6
Ladies leather bags leather or of composition leather lacquer, plastic sheets, textile or other materials (including bags without handles), thsd.pcs	218,6	191,4	207,5	618,5	1099,4
Waterproof footwear, with uppers in rubber or plastics (excluding incorporating a protective metal toecap), mln. pairs	1,2	1,4	1,8	1,7	1,3
Town footwear with rubber or plastic uppers, mln. pairs	5,1	4,3	5,7	5,8	5,5
Men's town footwear with leather uppers (including boots and shoes; excluding waterproof footwear, footwear with a protective metal toe-cap), mln. pairs	1,0	1,0	0,8	0,7	0,6
Women's town footwear with leather uppers (including boots and shoes; excluding waterproof footwear, footwear with a protective metal toe-cap), mln. pairs	1,2	1,2	0,9	1,2	0,8
Slippers and other indoor footwear (including dancing and bedroom slippers, mules) with uppers of textile materials, mln. pairs	7,8	7,7	7,7	6,4	10,7
Footwear with textile uppers (excluding slippers and other indoor footwear as well as footwear with outer soles of rubber, plastics, leather or composition leather), mln. pairs	3,2	4,1	3,7	3,6	3,3
Wooden footwear, miscellaneous special footwear and other footwear n.e.c., mln. pairs	1,6	1,6	1,7	1,5	1,4

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Table 17.12 continued

	2015	2016	2017	2018	2019
Manufacture of wood and of products of wood and cork, except furniture					
Spruce wood (<i>Picea abies</i> Karst.), fir wood (<i>Abies alba</i> Mill.) sawn or chipped lengthwise, sliced or peeled, of a thickness > 6 mm, thsd.cub.m	274,0	293,5	273,9	341,6	315,6
Pine wood (<i>Pinus sylvestris</i> L.) sawn or chipped lengthwise, sliced or peeled, of a thickness > 6 mm, thsd.cub.m	775,7	896,5	1412,0	1995,9	1979,2
Coniferous wood sawn or chipped lengthwise, sliced or peeled, of a thickness of > 6 mm (excl. spruce "Picea abies Karst.", silver fir "Abies alba Mill." and pine "Pinus sylvestris L."), thsd.cub.m	397,6	438,0	409,2	367,2	303,9
Wood, sawn or chipped lengthwise, sliced or peeled, of a thickness > 6 mm (excluding coniferous and tropical woods and oak blocks, strips and friezes), thsd.cub.m	395,7	457,7	479,9	477,9	437,2
Coniferous wood continuously shaped (including strips and friezes for parquet flooring, not assembled), thsd.t	14,1	13,5	18,8	30,6	34,0
Wood, incl. strips and friezes for parquet flooring, not assembled, continuously shaped "tongued, grooved, rebated, chamfered, V-jointed beaded, moulded, rounded or the like" along any of its edges, ends or faces, whether or not planed, sanded or end-jointed (excl. coniferous wood and bamboo), thsd.t	69,1	63,9	64,3	100,8	107,0
Particle boards and similar boards of wood, unworked or sanded, mln.cub.m	2,2	2,3	2,5	2,6	2,3
Other plywood, veneered panels and similar laminated wood, of other wood, thsd.cub.m	185,8	181,4	180,1	190,0	176,8
Veneer sheets and sheets for plywood and other wood sawn lengthwise, sliced or peeled, of a thickness ≤ 6 mm of coniferous wood, thsd.cub.m	10,6	6,4	3,8	2,2	0,4
Veneer sheets and sheets for plywood and other wood sawn lengthwise, sliced or peeled, of a thickness ≤ 6 mm of other wood than coniferous or tropical wood, thsd.cub.m	156,6	183,7	204,8	212,9	216,3
Assembled parquet panels of wood for mosaic floors, thsd.sq.m	447,5	523,0	418,6	362,6	309,8
Windows, french windows and their frames, of wood, mln.pcs	1,0	0,9	1,1	1,0	1,1
Doors and their frames and thresholds, of wood, mln.pcs	1,1	0,9	1,0	1,0	1,2
Manufacture of paper and paper products, printing					
Graphic paper, paperboard: mechanical fibres ≤ 10%, weight ≥ 40 g/m ² but ≤ 150 g/m ² , in rolls, thsd.t	3,5	2,8	1,3	1,4	c
Paper stock for household: others, thsd.t	118,5	115,2	120,2	126,7	130,9
Other uncoated paper and paperboard, in rolls or sheets, weight ≤ 150 g/m ² (excluding products of HS 4802, fluting paper, testliner, sulphite wrapping paper, filter or felt paper and paperboard), thsd.t	298,4	299,7	321,2	325,5	291,9
Other uncoated paper and paperboard, in rolls or sheets, weight > 150 g/m ² and < 225 g/m ² (excluding products of HS 4802, fluting paper, testliner, sulphite wrapping paper, filter or felt paper and paperboard), thsd.t	93,7	99,4	113,8	119,6	93,1
Corrugated paper and paperboard in rolls or sheets, thsd.t	148,9	149,3	159,5	149,0	151,8
Cartons, boxes and cases, of corrugated paper or paperboard, thsd.t	395,2	430,2	452,4	476,2	495,8
Folding cartons, boxes and cases, of non-corrugated paper or paperboard, thsd.t	78,5	81,2	123,6	129,0	101,1
Toilet paper (in rolls of a width of ≤ 36 cm or cut to size or shape), thsd.t	102,3	103,5	105,7	104,5	110,5

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Table 17.12 continued

	2015	2016	2017	2018	2019
Exercise-books, of paper or paperboard, thsd.t	10,1	10,0	10,3	8,3	7,9
Wallpaper and similar wall coverings; window transparencies of paper, thsd.t	56,9	59,5	64,9	53,5	40,6
Printed newspapers, journals and periodicals, appearing at least four times a week, thsd.t	6,5	4,4	4,4	4,7	3,3
Printed newspapers, journals and periodicals, appearing less than four times a week, thsd.t	55,1	52,9	104,8	113,4	92,9
Printed books, brochures, leaflets and similar printed matter, in single sheets, thsd.t	5,0	6,5	5,9	6,8	9,6
Production of coke, refined petroleum products					
Coke-oven coke of coking coal; gas coke, mln.t	11,6	12,7	10,1	10,8	10,1
Pitches coal, lignite or peat; other mineral resin, thsd.t	498,2	564,5	446,9	475,6	449,2
Briquettes, ovoids and similar solid fuels manufactured, from peat, thsd.t	247,9	246,2	281,3	288,2	259,7
Primary oil processing (including gas condensate), mln.t	c	c	c	c	c
Petrol for motor vehicles with ≤ 0,013 g/L of lead content, mln.t	c	c	c	c	c
Diesel fuel for motor vehicles and rail, mln.t	c	c	c	c	c
Heavy fuel oil, mln.t	0,1	0,1	0,1	0,4	0,1
Petroleum oils and oils; petroleum distillates, heavy, thsd.t	73,5	92,5	111,7	147,1	150,0
Liquefied propane and butane, thsd.t	340,5	316,3	311,5	396,8	309,9
Bitumen (including shale), thsd.t	24,2	27,3	36,5	169,7	23,1
Chemical and petrochemical industry					
Other synthetic organic colouring matters, thsd.t	5,1	5,9	8,2	9,3	9,8
Hydrogen chloride (hydrochloric acid), thsd.t HCl	22,6	19,4	18,3	20,0	18,2
Sulphuric acid; oleum, mln.t H ₂ SO ₄	0,5	0,5	0,5	0,7	0,7
Benzene, neat content percentage by mass ≥ 95%, thsd.t	42,1	32,5	75,5	108,6	92,9
Undenatured ethyl alcohol of an alcoholic strength by volume ≥ 80% (important: excluding alcohol duty), mln.dal	10,9	10,0	9,6	8,1	6,9
Anhydrous ammonia, mln.t N	2,2	1,7	1,0	0,8	1,5
Urea containing > 45% by weight of nitrogen on the dry anhydrous product (excluding in tablets or similar forms or in packages of a weight of ≤ 10 kg), mln.t N	1,0	0,9	0,6	0,4	0,8
Ammonium nitrate (excluding in tablets or similar forms or in packages of a weight of ≤ 10 kg), mln.t N	0,4	0,5	0,4	0,4	0,5
Plasticised polyvinyl chloride mixed with any other substance, in primary forms, thsd.t	40,5	53,5	60,6	61,1	58,4
Urea resins and thiourea resins, in primary forms, thsd.t	129,4	88,2	100,8	96,7	84,4
Polyurethanes, in primary forms, thsd.t	17,3	18,6	19,5	21,4	17,6
Paints and varnishes, based on acrylic or vinyl polymers dispersed or dissolved in an aqueous medium (including enamels and lacquers), thsd.t	60,7	74,6	76,0	75,9	78,1
Other paints, varnishes dispersed or dissolved in an aqueous medium, thsd.t	18,5	17,2	19,3	18,4	27,3
Paints and varnishes, based on polyesters dispersed/dissolved in a non- aqueous medium including enamels and lacquers excluding weight of the solvent > 50% of the weight of the solution, thsd.t	43,4	53,1	55,5	49,3	48,3
Soap and organic surface-active products in bars, etc, n.e.c., thsd.t	10,7	12,9	12,8	11,9	9,6

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Table 17.12 continued

	2015	2016	2017	2018	2019
Washing preparations and cleaning preparations, with or without soap, p.r.s. including auxiliary washing preparations excluding those for use as soap, surfaceactive preparations, thsd.t	190,3	185,9	193,8	200,5	185,5
Polishes, creams and similar preparations, for the aintenance of wooden furniture, floors or other woodwork (excluding artificial and prepared waxes), thsd.t	0,5	0,5	0,4	0,4	0,4
Polishes and similar preparations, for coachwork (excluding artificial and prepared waxes, metal polishes), thsd.t	0,4	1,0	1,7	1,8	1,8
Perfumes, thsd.dal	43,7	12,0	5,9	5,5	4,8
Toilet waters, thsd.dal	49,5	47,6	27,6	38,1	34,8
Manicure or pedicure preparations, thsd.t	1,3	1,5	1,3	1,1	0,9
Powders, whether or not compressed, for cosmetic use (including talcum powder), t	26,4	70,5	457,1	452,5	578,8
Beauty, make-up and skin care preparations including suntan (excluding medicaments, lip and eye make-up, manicure and pedicure preparations, powders for cosmetic use and talcum powder), thsd.t	5,2	5,7	6,4	7,4	8,2
Shampoos, mln.dal	1,5	1,4	1,2	1,1	1,2
Preparations for permanent waving or straightening of hair, t	59,0	52,0	50,0	84,0	124,9
Hair lacquers, t	201,0	207,0	167,0	137,0	230,0
Hair preparations (excluding shampoos, permanent waving and hair straightening preparations, lacquers), thsd.t	6,0	5,7	5,8	5,3	5,3
Preparations for oral or dental hygiene (including denture fixative pastes and powders), dental floss, t	67,0	103,0	103,6	106,4	140,9
Preparations for oral or dental hygiene (including denture fixative pastes; powders and tablets, mouth washes and oral perfumes, dental floss) (excluding dentifrices), t	216,0	341,0	590,5	516,6	396,6
Soap and organic surface-active products in bars, etc, for toilet use, thsd.t	26,9	24,6	24,6	21,2	13,2
Organic surface-active products and preparations for washing the skin; whether or not containing soap, p.r.s., thsd.t	10,5	10,8	13,2	14,8	13,8
Other personal preparations (perfumeries, toilet, depilatories), thsd.t	14,0	13,1	14,5	24,1	31,5
Polypropylene filament yarn, n.p.r.s. (excluding sewing thread), thsd.t	3,5	3,6	4,0	4,5	4,6
Polypropylene monofilament of ≥ 67 decitex and with a cross-sectional dimension of ≤ 1 mm (excluding elastomers), thsd.t	7,8	8,9	9,9	8,5	8,4
Manufacture of basic pharmaceutical products and pharmaceutical preparations					
Medicaments of other antibiotics, p.r.s., t	1217,6	1186,1	1156,8	1230,7	1107,6
Medicaments containing corticosteroid hormones, their derivatives and structural analogues, put up in measured doses or for retail sale, t	84,2	110,7	115,9	127,8	112,0
Other medicaments of mixed or unmixed products, p.r.s., n.e.c., thsd.t	41,3	46,0	46,9	43,5	45,8
Preparations for X-ray contrast examinations, diagnostic reagents for administration to patients, t	52,9	62,6	58,9	78,2	94,3

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Table 17.12 continued

	2015	2016	2017	2018	2019
Manufacture of rubber and plastics products					
Agrarian tyres; other new pneumatic tyres, of rubber, thsd.pcs	133,9	c	200,2	c	145,7
Rubber compounded with carbon black or silica, unvulcanised, thsd.t	2,3	3,1	3,5	5,0	5,4
Other compounded rubber, unvulcanised, in primary forms or in plates, sheets or strip, thsd.t	2,1	1,7	2,4	2,9	3,7
Rubber hose reinforced with textiles, thsd.t	1,1	1,6	1,8	4,3	4,5
Rubber hose assemblies, thsd.t	0,3	0,4	0,6	0,6	0,5
Rubber conveyor belts, thsd.t	2,6	c	c	2,0	2,4
Other plates, sheets, film, foil and strip, of polymers of ethylene, not reinforced, thickness ≤ 0,125 mm, thsd.t	73,8	78,9	81,1	82,4	85,7
Other plates, sheets, film, foil and strip, of polymers of ethylene, not reinforced, etc, thickness > 0,125 mm, thsd.t	19,3	20,3	18,0	18,9	27,9
Other plates, sheets, film, foil and strip, of biaxially orientated polymers of propylene, thickness ≤ 0,10 mm, thsd.t	20,6	18,9	18,0	12,5	10,4
Other plates, sheets, film, foil and strip, of polymers of styrene, not reinforced, etc, thsd.t	22,5	21,9	23,5	24,9	23,1
Plates, sheets, film, foil and strip, of non-cellular plastics, n.e.c., not reinforced, laminated, supported or similarly combined with other materials (excluding self-adhesive products, floor, wall and ceiling coverings of HS 3918 and sterile surgical or dental adhesion barriers of CN 3006 10 30), thsd.t	25,1	24,6	32,1	33,1	31,7
Sacks and bags (including cones), of polymers of ethylene (excluding of synthetic fibres), thsd.t	47,5	54,4	54,9	61,5	74,6
Plastic doors, windows and their frames and thresholds for doors, mln.pcs	2,3	2,7	3,3	3,2	3,1
Tableware and kitchenware of plastic, thsd.t	7,3	8,5	8,0	8,4	8,8
Household articles and toilet articles, of plastics (excluding tableware, kitchenware, baths, shower-baths, washbasins, bidets, lavatory pans, seats and covers, flushing cisterns and similar sanitary ware), thsd.t	5,8	6,5	7,8	8,7	11,4
Production of other non-metallic mineral products					
Multiple-walled insulating units of glass, mln.sq.m	2,1	2,4	2,7	2,6	2,8
Glass preserving jars, stoppers, lids and other closures (including stoppers and closures of any material presented with the containers for which they are intended), thsd.t	164,3	164,1	216,5	172,9	219,8
Bottles of colourless glass of a nominal capacity < 2,5 l, for beverages and foodstuffs (excluding bottles covered with leather or composition leather, infant's feeding bottles), bln.pcs	1,2	1,4	1,4	1,4	1,5
Refractory ceramic constructional goods containing >50% of MgO, CaO or Cr ₂ O ₃ including bricks, blocks and tiles excluding goods of siliceous fossil meals or earths, tubing and piping, thsd.t	53,4	53,9	63,7	61,2	58,1
Refractory bricks, blocks, tiles and similar refractory ceramic constructional goods containing, by weight, > 7% but < 45% alumina, but > 50% by weight combined with silica, thsd.t	138,0	150,5	162,5	162,0	163,9
Ceramic slabs and tiles, mln.sq.m	44,7	45,4	52,3	54,5	49,9

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Table 17.12 continued

	2015	2016	2017	2018	2019
Non-refractory clay building bricks (excluding of siliceous fossil meals or earths), mln.cub.m	2,2	2,2	2,1	2,0	1,9
Porcelain or china tableware and kitchenware (excluding electro-thermic apparatus, coffee or spice mills with metal working parts), thsd.t	1,0	1,3	1,5	1,3	0,7
Portland cement, mln.t	c	8,8	9,0	8,9	9,1
Other hydraulic cements, mln.t	c	0,3	0,3	0,3	0,1
Quicklime, mln.t	2,5	2,5	2,2	2,3	2,2
Slaked lime, mln.t	0,2	0,3	0,3	0,3	0,2
Blocks and bricks of cement, artificial stone or concrete meant for building, mln.t	3,4	3,6	3,7	3,6	3,4
Elements (cement, concrete or artificial stone) of prefabricated structures for construction, mln.t	4,4	4,9	4,8	4,6	4,2
Ready-mixed concrete, mln.t	12,5	15,7	18,5	18,9	19,0
Factory made mortars (except concrete solutions ready for use), mln.t	1,6	1,7	2,2	2,4	2,8
Articles of asbestos-cement, of cellulose fibre-cement or similar mixtures of fibres (asbestos, cellulose or other vegetable fibres, synthetic polymer, glass or metallic fibres, etc.) and cement or other hydraulic binders, containing asbestos, thsd.t	132,9	146,5	163,3	147,6	114,8
Articles of asphalt or of similar materials, e.g. petroleum bitumen or coal tar pitch, in rolls, mln.sq.m	27,8	31,8	39,1	38,3	21,0
Slag wool, rock wool and similar mineral wools and mixtures thereof, in bulk, sheets or rolls, thsd.t	177,0	181,5	182,4	190,7	235,9
Manufacture of basic metals					
Pig iron and spiegeleisen in pigs, blocks or other primary forms, mln.t	21,9	23,6	19,8	20,5	20,1
Ferro-silico-manganese, thsd.t	750,2	876,8	875,0	912,3	858,7
Ferro-nickel, thsd.t	95,2	84,0	74,5	79,5	79,3
Flat semi-finished products (of non-alloy steel), mln.t	8,3	9,2	9,1	9,3	9,4
Ingots, other primary forms and long semi-finished products for seamless tubes (of non-alloy steel), mln.t	7,9	7,9	7,2	6,7	6,6
Other ingots, primary forms and long semi-finished products including blanks (of non-alloy steel), mln.t	8,0	8,0	5,0	5,3	4,9
Flat semi-finished products (slabs) (of stainless steel), thsd.t	0,5	0,5	0,7	0,5	0,3
Ingots, other primary forms and long semi-finished products for seamless tubes (of stainless steel), thsd.t	100,8	98,0	99,2	103,3	91,4
Other ingots, primary forms and long semi-finished products (of stainless steel), thsd.t	20,2	17,8	18,8	18,2	18,4
Flat semi-finished products (of alloy steel other than of stainless steel), mln.t	1,0	1,5	1,1	1,2	1,3
Ingots, other primary forms and long semi-finished products for seamless tubes (of alloy steel other than of stainless steel), mln.t	3,6	3,6	4,0	3,7	3,4
Other ingots, primary forms and long semi-finished products (of alloy steel other than of stainless steel), mln.t	0,4	0,4	0,6	0,9	0,9
Casing, tubing and drill pipe, of a kind used in the drilling for oil or gas, seamless, of steel other than stainless steel, thsd.t	94,3	84,9	176,0	222,0	151,7
Tubes and pipes, of circular cross-section, hot-finished, seamless, of steel other than stainless steel (excluding line pipe of a kind used for oil or gas pipelines and casing, tubing and drill-pipe used for oil or gas drilling), thsd.t	278,9	265,7	329,3	380,3	387,7

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Table 17.12 continued

	2015	2016	2017	2018	2019
Tubes and pipes, of circular cross-section, hot- or cold-formed and welded, of an external diameter ≤ 406,4 mm, of steel other than stainless steel, thsd.t	224,6	233,0	156,8	158,8	140,2
Tubes and pipes, of square or rectangular cross-section, of a wall thickness ≤ 2 mm, hot- or cold-formed and welded, of steel other than stainless steel, thsd.t	66,1	105,7	222,4	181,9	208,0
Tubes and pipes, of square or rectangular cross-section, of a wall thickness > 2 mm, hot- or cold-formed and welded, of steel other than stainless steel, thsd.t	149,1	189,8	173,2	192,3	151,8
Cold-formed sections, obtained from flat products, of non-alloy steel, coated with zinc, thsd.t	101,1	121,2	125,6	104,2	98,2
Cold-profiled (ribbed) sheets, of non-alloy steel, thsd.t	117,6	156,0	165,0	164,0	156,9
Iron or non-alloy steel wire containing < 0,25% of carbon including crimping wire excluding stranded wire, barbed wire used for fencing - duplex wire - saw-tooth wire, insulated electric wire, thsd.t	178,1	209,2	203,9	191,9	203,4
Iron or non-alloy steel wire containing 0,25-0,6% of carbon including crimped wire excluding stranded wire, barbed wire used for fencing, duplex wire, saw-tooth wire, insulated electric wire, thsd.t	43,9	51,5	55,8	31,0	30,2
Iron or non-alloy steel wire containing ≥ 0,6% of carbon including crimping wire excluding stranded wire, barbed wire used for fencing, duplex wire, saw-tooth wire, insulated electric wire, thsd.t	42,5	37,2	42,0	56,0	62,9
Prefabricated buildings, of iron or steel, thsd.t	45,4	50,1	73,8	69,2	71,2
Iron or steel equipment for scaffolding, shuttering, propping/pit-propping including pit head frames and superstructures, extensible coffering beams, tubular scaffolding and similar equipment, thsd.t	56,5	57,3	69,5	86,1	86,3
Other structures principally of sheet: other, thsd.t	64,4	81,9	103,3	122,4	151,4
Weirs, sluices, lock-gates, landing stages, fixed docks and other maritime and waterway structures, of iron or steel, structures and parts of structures of iron or steel, n.e.s. (excluding bridges and bridge-sections; towers; lattice masts; gates; doors, windows and their frames and thresholds; equipment for scaffolding, shuttering, propping or pit-propping, and structures and parts of structures not manufactured exclusively or mainly from plate), thsd.t	101,4	117,7	143,4	164,7	187,9
Central heating radiators and parts thereof without electric heating produced from ferrous metals, thsd.t	2,5	4,9	8,2	16,5	16,0
Boilers for central heating other than those of HS 8402, thsd.pcs	249,2	169,6	187,8	170,7	153,1
Iron or steel reservoirs, tanks, vats and similar containers for liquids, of a capacity > 300 litres (excluding fitted with mechanical or thermal equipment, lined or heat insulated), thsd.t	6,2	7,3	9,5	8,3	8,8
Iron or steel reservoirs, tanks, vats and similar containers for solids, of a capacity > 300 litres (excluding fitted with mechanical or thermal equipment), thsd.t	2,2	2,3	10,5	15,1	12,5
Super-heated water boilers (excluding central heating hot water boilers capable of producing low pressure steam), thsd.pcs	3,5	4,3	1,5	c	2,3

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Table 17.12 continued

	2015	2016	2017	2018	2019
Iron or steel hexagon bolts with heads, with a tensile strength < 800 MPa (excluding of stainless steel), thsd.t	9,6	8,0	8,9	8,1	5,4
Iron or steel hexagon bolts with heads, with a tensile strength ≥ 800 MPa (excluding of stainless steel), thsd.t	2,5	5,8	5,1	4,3	3,0
Iron or steel nuts (including self-locking nuts), thsd.t	8,0	7,6	8,0	5,7	3,0
Threaded articles, n.e.c., of iron or steel, thsd.t	1,3	4,3	3,9	5,5	5,3
Table, kitchen or household articles and parts thereof of iron other than cast iron, or steel other than stainless (excluding enamelled), thsd.t	11,0	11,8	13,3	13,8	13,6
Engineering					
Photosensitive semiconductor devices; solar cells, photo-diodes, photo-transistors, etc, mln.pcs	0,9	2,3	0,01	0,01	0,2
Multilayer printed circuits, consisting only of conductor elements and contacts, mln.pcs	1,0	0,6	0,6	0,5	0,3
Printed circuits consisting only of conductor elements and contacts (excl. multiple printed circuits), mln.pcs	1,2	1,7	1,3	1,0	0,6
Passive networks (including networks of resistors and/or capacitors) (excluding resistor chip arrays, capacitor chip arrays, boards containing active components, hybrids), mln.pcs	1,2	1,9	3,1	3,1	3,5
Machines for the reception, conversion and transmission or regeneration of voice, images or other data, including switching and routing apparatus, thsd.pcs	31,9	204,6	238,4	180,6	123,1
Thermometers, liquid-filled, for direct reading, not combined with other instruments (excluding clinical or veterinary thermometers), mln.pcs	2,6	3,3	3,6	2,8	2,6
Non-electronic hydro-, hygro-, psychrometers (including hygrographs, thermo-hygrographs, baro-thermo-hygrographs, actinometers, pagoscopes; excluding radio-sondes for atmospheric soundings), mln.pcs	1,4	1,4	1,4	2,1	1,7
Other non-electronic instruments and apparatus for physical or chemical analyses, n.e.c., thsd.pcs	279,8	552,7	268,7	282,8	179,9
Gas supply or production meters (including calibrated), thsd.pcs	806,6	387,1	615,1	367,4	445,9
Liquid supply or production meters (including calibrated) (excluding pumps), mln.pcs	1,6	1,1	1,5	1,1	0,9
Electricity meters (including calibrating (excluding voltmeters, ammeters, wattmeters, etc), mln.pcs	0,8	0,9	0,9	0,9	1,0
Automatic regulating or controlling instruments and apparatus, hydraulic or pneumatic, thsd.pcs	7,8	8,0	25,6	3,4	7,1
Instruments and apparatus, regulating or controlling, n.e.c., thsd.pcs	61,1	77,6	93,7	109,0	116,1
DC motors and generators of an output > 37,5 W but ≤ 750 W (excluding starter motors for internal combustion engines), thsd.pcs	10,5	7,8	11,6	10,4	0,6
DC motors and DC generators of an output > 750 W but ≤ 75 kW (excluding starter motors for internal combustion engines), thsd.pcs	4,9	6,6	2,0	2,7	0,5
Single-phase AC motors of an output ≤ 750 W, thsd.pcs	64,2	58,8	63,4	54,0	36,7
Multi-phase AC motors of an output ≤ 750 W, thsd.pcs	127,0	145,6	123,2	96,7	54,4
Multi-phase AC motors of an output > 0,75 kW but ≤ 7,5 kW, thsd.pcs	27,3	35,0	27,2	17,0	12,9

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Table 17.12 continued

	2015	2016	2017	2018	2019
Other transformers, n.e.c., having a power handling capacity ≤ 1 kVA, mln.pcs	6,9	8,4	11,0	13,3	11,3
Other apparatus for switching... electrical circuits > 1000 V, thsd.pcs	20,4	29,8	61,3	61,8	38,3
Fuses for a voltage ≤ 1 kV and for a current > 63 A, mln.pcs	1,2	0,2	0,2	0,2	0,3
Automatic circuit breakers for a voltage ≤ 1 kV and for a current ≤ 63 A, mln.pcs	1,2	2,8	3,2	2,1	2,5
Relays for a voltage > 60 V but ≤ 1 kV, mln.pcs	3,2	3,8	4,0	5,0	4,5
Insulated winding wire, thsd.t	5,0	7,8	10,6	9,1	4,2
Other electric conductors, for a voltage ≤ 1000 V, not fitted with connectors, thsd.t	108,0	97,2	111,7	143,0	156,2
Insulated electric conductors for voltage > 1000 V (excluding winding wire, coaxial cable and other coaxial electric conductors, ignition and other wiring sets used in vehicles, aircraft, ships), thsd.t	9,1	7,3	9,0	13,2	19,3
Electrical apparatus for switching electrical circuits for a voltage ≤ 1 kV (including push-button and rotary switches) (excluding relays), mln.pcs	17,2	18,5	15,1	15,9	16,0
Lamp-holders for a voltage ≤ 1 kV, mln.pcs	8,9	12,1	9,9	6,3	4,0
Plugs and sockets for a voltage ≤ 1 kV (excluding for coaxial cables, for printed circuits), mln.pcs	6,7	5,0	5,4	4,6	4,1
Prefabricated elements for electrical circuits for a voltage ≤ 1 kV, mln.pcs	10,3	9,1	17,1	18,8	17,4
Connections and contact elements for wires and cables for a voltage ≤ 1 kV, mln.pcs	5,3	5,5	5,5	10,0	13,6
Filament lamps of a power ≤ 200 W and for a voltage > 100 V including reflector lamps (excluding ultraviolet, infrared lamps, tungsten halogen filament lamps and sealed beam lamp units), mln.pcs	117,8	108,9	70,7	c	c
Chandeliers and other electric ceiling or wall lighting fittings (excluding those used for lighting public open spaces or thoroughfares), mln.pcs	1,3	1,7	1,3	1,3	1,3
Electric lamps and lighting fittings, of plastic and other materials, of a kind used for filament lamps and tubular lamps, including lighting sets for Christmas trees and LED lamps, thsd.pcs	718,9	1045,1	751,2	749,3	862,2
Washing machines and machines for drying clothes, everyday, thsd.pcs	270,3	356,1	326,3	340,9	300,2
Table, floor, wall, window, ceiling or roof fans, with a self-contained electric motor of an output ≤ 125 W, mln.pcs	2,9	3,3	3,3	c	c
Electric water heaters and immersion heaters (excluding instantaneous water heaters), mln.pcs	1,1	1,3	1,4	1,2	1,0
Electric radiators, convection heaters and heaters or fires with built-in fans, thsd.pcs	703,8	709,1	469,7	622,9	609,1
Other electric space heaters, thsd.pcs	55,8	77,1	138,7	231,3	236,5
Electric cooking plates, boiling rings and hobs for domestic use, thsd.pcs	213,7	215,3	211,4	246,1	176,6
Appliance cords, extension cords, and other electrical cord sets, for a voltage ≤ 1 kV, with insulated wire and connectors, thsd.t	25,5	24,0	14,1	0,3	0,3

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Table 17.12 continued

	2015	2016	2017	2018	2019
Hydraulic cylinders, thsd.pcs	82,3	113,4	157,4	168,4	189,0
Hydraulic pumps (gear), thsd.pcs	632,8	667,5	672,9	667,1	578,8
Hydraulic systems, with cylinders as actuators, thsd.pcs	133,4	116,6	144,7	152,0	134,7
Submersible motor, single-stage rotodynamic drainage and sewage pumps, thsd.pcs	68,4	68,3	65,2	52,3	41,6
Submersible motor, multi-stage rotodynamic pumps, thsd.pcs	114,5	123,6	121,7	158,7	120,4
Ovens and electric ovens for confectioneries, pcs	156	169	92	82	45
Bridge cranes on fixed bearings, pcs	78	56	64	112	72
Mobile cranes, gantry cranes and bridge cranes, pcs	59	116	107	94	119
Bucket type continuous-action elevators and conveyors for goods or materials, pcs	625	798	1134	738	675
Belt type continuous-action elevators and conveyors for goods or materials, pcs	780	880	1185	1512	1371
Continuous-action elevators or conveyors for goods or materials (excluding pneumatic elevators or conveyors, those designed for use underground, bucket type, belt type, roller conveyors), thsd.pcs	1,6	2,1	2,6	2,6	1,8
Refrigerated show-cases and counters incorporating a refrigerating unit or evaporator (excluding for frozen food storage), thsd.pcs	6,8	3,8	2,8	20,6	61,6
Other refrigerating or freezing equipment, thsd.pcs	83,5	102,7	127,6	129,4	81,7
Centrifugal fans (excluding table, floor, wall, window, ceiling or roof fans with a self-contained electric motor of an output ≤ 125 W), thsd.pcs	164,6	176,9	168,9	203,8	183,0
Tractors of an engine power > 59 kW, excluding pedestrian-controlled tractors, road tractors for semi-trailers, track-laying tractors, thsd.pcs	2,8	3,3	3,3	2,4	1,4
Ploughs, thsd.pcs	3,7	3,6	2,9	3,0	2,5
Rippers and cultivators, thsd.pcs	3,4	3,8	4,0	2,9	3,9
Disk harrows, thsd.pcs	2,3	2,8	3,3	2,2	2,1
Besides disk harrow, thsd.pcs	5,8	8,7	9,3	10,4	5,1
Seeders, planters and transplanters, thsd.pcs	4,2	4,8	5,3	3,8	3,2
Mowers, including cutter bars, designed to be carried on or hauled by a tractor, thsd.pcs	2,5	3,5	3,6	1,6	1,1
Grain harvester combines, pcs	100	154	70	47	c
Sprayers and powder distributors designed to be mounted on or drawn by agricultural tractors (excluding watering appliances), pcs	800	883	1324	1298	1058
Machines and mechanisms for feed preparation for animals, thsd.pcs	63,2	75,6	49,3	30,2	17,7
Machine tools for working wood, cork, bone, hard rubber, hard plastics or similar hard materials, n.e.c, thsd.pcs	1,1	1,1	1,0	1,0	0,9
Converters and casting machines, casting forms and buckets used in metallurgy and foundry production, thsd.pcs	0,4	0,3	0,2	0,2	3,3
Rollers for rolling mills, thsd.pcs	4,4	5,1	6,0	7,3	6,0
Elevators, conveyers and lifts of continuous, operation for underground working, pcs	53	53	35	94	60
Boring or sinking machinery (including fixed platforms used for oil or natural gas exploration) (excluding self-propelled), pcs	291	92	58	94	48
Concrete mixers and mortar mixers, thsd.pcs	4,8	5,9	6,0	5,9	6,0
Machinery used in the milling industry or for the working of cereals or dried leguminous vegetables (excluding farm-type machinery), thsd.pcs	4,9	4,2	5,1	5,5	5,5
Bakery machinery (excluding ovens and dough rollers), thsd.pcs	1,5	1,6	1,7	1,4	1,4

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Table 17.12 continued

	2015	2016	2017	2018	2019
Machines and equipment for producing confectionery, cocoa or chocolate, pcs	163	219	295	334	308
Machines and equipment for sugar production, pcs	727	1085	540	291	250
Machines and equipment for processing meat and poultry, thsd.pcs	11,1	11,4	11,8	10,1	10,9
Machines for cleaning, sorting or grading seed, grain or dried leguminous vegetables, thsd.pcs	1,3	1,9	2,4	3,1	2,6
Motor vehicles for the transport of ≥ 10 persons, thsd.pcs	1,0	0,6	0,9	1,0	1,1
Goods vehicles with a diesel or semi-diesel engine, of a gross vehicle weight > 5 tonnes but ≤ 20 tonnes (including vans) (excluding dumpers for off- highway use, tractors), pcs	965	215	c	327	156
Other trailers and semi-trailers n.e.c., thsd.pcs	35,4	26,3	26,2	25,7	18,9
Inflatable vessels for pleasure or sports, thsd.pcs	34,8	18,4	18,9	26,6	24,0
Railway or tramway goods vans and wagons, not self-propelled, thsd.pcs	1,4	2,9	6,9	11,5	10,8
Bicycles and other cycles (including delivery tricycles), non-motorised, thsd.pcs	112,0	128,0	94,8	141,7	127,5
Invalid carriages not mechanically propelled, thsd.pcs	18,6	15,0	8,6	11,7	8,9
Production of furniture					
Swivel seats with variable height adjustments (excluding medical, surgical, dental or veterinary, and barbers' chairs), thsd.pcs	544,4	457,5	448,7	491,4	540,6
Upholstered seats with metal frames (excluding swivel seats, medical, surgical, dental or veterinary seats, barbers' or similar chairs, for motor vehicles, for aircraft), mln.pcs	2,3	2,0	2,1	2,0	2,1
Non-upholstered seats with metal frames (excluding medical, surgical, dental or veterinary seats, barbers' or similar chairs, swivel seats), thsd.pcs	495,0	472,1	583,9	529,9	549,4
Upholstered seats with wooden frames (including three piece suites) (excluding swivel seats), thsd.pcs	564,6	420,8	409,9	440,1	519,0
Non-upholstered seats with wooden frames (excluding swivel seats), thsd.pcs	755,9	564,7	665,8	433,3	233,7
Metal furniture for offices, thsd.pcs	978,1	853,4	953,5	955,0	991,9
Wooden furniture of a kind used in offices, thsd.pcs	376,3	494,7	650,3	623,0	794,8
Wooden furniture for shops, thsd.pcs	133,0	193,5	275,1	222,8	271,3
Kitchen furniture, mln.pcs	0,9	1,1	1,3	1,2	1,6
Wooden bedroom furniture (excluding builders' fittings for cupboards to be built into walls, mattress supports, lamps and lighting fittings, floor standing mirrors, seats), thsd.pcs	706,2	591,6	750,3	673,8	686,6
Wooden furniture for the dining-room and living-room (excluding floor standing mirrors, seats), mln.pcs	0,8	0,9	1,5	1,7	2,0
Supply of electricity, gas, steam and conditioned air					
Electricity, bln. kW-h	163,7	164,6	156,0	159,8	154,1
of which produced by					
heat power plants	67,5	72,9	58,2	61,1	58,3
nuclear power plants	87,6	81,0	85,6	84,4	83,0
hydro power plants	7,0	9,3	10,5	12,0	7,9
wind power plants	1,1	1,0	1,0	1,2	2,0
solar power plants	0,5	0,5	0,7	1,1	2,9

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17.13. Output of sausages and similar products of meat, offal or blood and food preparations based thereon (excluding liver sausages and prepared meals and dishes), by region*(thsd.t)*

	2010	2015	2016	2017	2018	2019
Ukraine	277,5	228,8	233,0	247,1	247,8	236,6
Autonomous Republic of Crimea	20,3	...	...	...	...	...
oblasts						
Vinnycya	4,8	5,5	5,8	6,8	8,0	8,0
Volyn	14,7	10,6	9,0	8,2	8,9	11,0
Dnipropetrovsk	43,1	52,4	55,1	62,9	67,3	64,9
Donetsk	36,9	26,7	38,8	37,7	36,4	38,8
Zhytomyr	8,4	17,0	17,3	16,4	13,4	10,7
Zakarpattya	0,3	0,7	1,0	1,5	1,8	1,4
Zaporizhzhya	11,3	12,5	11,9	16,8	13,6	9,1
Ivano-Frankivsk	2,2	1,6	1,3	0,7	0,7	0,9
Kyiv	9,5	5,6	5,4	5,1	5,0	4,5
Kirovohrad	18,2	18,9	16,6	15,5	14,8	13,2
Luhansk	16,8	c	c	c	c	c
Lviv	5,1	6,3	6,6	6,5	4,5	4,9
Mykolayiv	2,3	1,3	1,2	0,9	0,7	0,7
Odesa	7,6	5,5	4,6	4,1	4,4	2,5
Poltava	32,4	36,3	33,3	36,2	35,4	32,4
Rivne	2,9	0,7	0,6	0,7	0,9	0,8
Sumy	1,2	1,2	1,1	1,0	0,8	0,7
Ternopil	1,1	0,6	0,6	0,8	0,9	1,2
Kharkiv	19,8	15,0	14,2	16,8	22,7	22,9
Kherson	c	c	c	c	c	c
Khmelnyskiy	5,9	4,0	3,6	3,7	3,8	4,0
Cherkasy	2,1	1,9	1,5	1,3	0,5	0,4
Chernivtsi	5,9	2,1	1,5	1,3	1,3	1,1
Chernihiv	1,6	1,3	1,3	1,2	0,9	1,0
cities						
Kyiv	1,4	1,1	0,6	0,6	0,8	0,9
Sevastopol	c	...	...	...	...	...

INDUSTRY

**17.14. Output of crude sunflower-seed oil and its fractions
(excluding chemically modified), by region***(thsd.t)*

	2010	2015	2016	2017	2018	2019
Ukraine	2990,4	3715,8	4424,0	5354,8	5148,6	5836,2
Autonomous Republic of Crimea	0,2	...	...	...	...	...
oblasts						
Vinnitsya	108,8	351,7	451,3	475,6	457,2	444,3
Volyn	—	c	—	c	—	c
Dnipropetrovsk	210,0	288,1	301,9	274,0	268,5	379,4
Donetsk	387,7	154,0	120,6	188,3	119,7	164,7
Zhytomyr	0,0	0,1	0,1	1,0	1,2	c
Zaporizhzhya	427,6	590,9	608,4	586,4	577,0	628,8
Ivano-Frankivsk	c	c	c	—	c	—
Kyiv	125,8	115,1	108,9	103,2	109,2	154,9
Kirovohrad	353,7	446,6	596,5	825,9	746,6	872,5
Luhansk	64,4	91,5	85,5	99,1	99,4	108,3
Lviv	—	—	c	c	c	c
Mykolayiv	84,9	255,4	466,7	747,0	743,6	866,0
Odesa	375,8	529,2	754,5	1014,5	965,6	1018,8
Poltava	187,9	226,4	230,3	268,0	275,5	306,0
Rivne	c	c	c	c	—	c
Sumy	3,3	9,3	11,3	14,7	11,1	36,3
Ternopil	0,2	4,0	7,5	7,5	2,5	3,9
Kharkiv	347,1	293,0	300,4	358,1	352,1	381,1
Kherson	181,2	201,5	205,2	201,7	187,2	200,5
Khmelnyskiy	0,1	0,1	0,1	3,6	3,4	c
Cherkasy	73,8	75,1	70,7	75,1	73,1	86,1
Chernivtsi	51,1	62,9	54,5	64,5	c	c
Chernihiv	6,6	20,1	24,4	13,6	14,2	33,5
cities						
Kyiv	—	—	—	—	c	c
Sevastopol	c	...	...	...	...	...

INDUSTRY

**17.15. Output of milk and cream of a fat content more than 1% but less than 6%,
not concentrated nor containing added sugar or other sweetening matter,
in immediate packings of a net content no more than 2 L, by region**

(thsd.t)

	2010	2015	2016	2017	2018	2019
Ukraine	521,0	472,3	462,8	478,2	496,7	474,1
Autonomous Republic of Crimea	10,6	...	...	...	...	...
oblasts						
Vinnycya	74,9	c	91,6	c	90,0	92,5
Volyn	c	c	c	c	c	c
Dnipropetrovsk	54,8	41,4	46,3	49,8	52,7	55,3
Donetsk	46,9	5,7	4,4	4,0	3,2	3,4
Zhytomyr	c	15,4	7,5	31,2	37,1	12,2
Zakarpattya	c	—	—	—	—	—
Zaporizhzhya	13,2	10,2	9,8	9,4	8,1	8,6
Ivano-Frankivsk	4,4	4,6	5,4	4,2	3,4	3,2
Kyiv	95,3	112,4	109,4	114,8	123,2	119,6
Kirovohrad	c	c	c	1,2	1,5	1,9
Luhansk	8,8	2,2	2,9	1,9	1,6	1,1
Lviv	19,7	13,2	8,8	16,8	21,7	31,0
Mykolayiv	9,2	10,9	10,3	8,8	7,8	7,2
Odesa	15,5	4,5	5,2	5,0	5,3	5,1
Poltava	36,3	45,4	42,1	38,4	38,6	37,4
Rivne	4,4	6,0	6,4	7,2	7,8	8,2
Sumy	16,5	c	c	c	c	c
Ternopil	13,5	28,6	28,4	26,3	26,1	25,2
Kharkiv	34,6	30,5	29,7	26,4	22,5	16,6
Kherson	8,4	c	c	c	c	—
Khmelnyskiy	5,5	10,2	10,5	12,6	11,6	9,1
Cherkasy	—	c	c	c	c	c
Chernivtsi	—	0,3	0,6	0,5	c	c
Chernihiv	7,6	7,5	9,4	8,2	9,9	9,7
city						
Kyiv	c	c	c	c	c	c

INDUSTRY

**17.16. Production of grated, powdered, blue-veined and other non-processed cheese
(excluding fresh cheese, whey cheese and curd), by region**

(thsd.t)

	2010	2015	2016	2017	2018	2019
Ukraine	185,8	96,6	86,5	94,3	97,0	86,1
Autonomous Republic of Crimea	0,9	...	...	...	...	...
oblasts						
Vinnitsya	8,1	10,1	8,1	9,4	10,6	9,3
Volyn	c	—	0,0	c	c	0,0
Dnipropetrovsk	0,7	1,1	1,0	1,3	1,0	0,5
Donetsk	0,9	0,8	0,7	0,7	0,7	0,7
Zhytomyr	3,9	5,7	4,3	5,1	5,3	6,0
Zakarpattya	c	c	c	c	c	c
Zaporizhzhya	6,5	0,4	0,3	0,2	0,3	0,2
Ivano-Frankivsk	4,2	0,1	0,1	0,1	0,1	0,1
Kyiv	1,2	2,2	2,2	2,8	3,6	3,2
Kirovohrad	1,3	0,1	0,3	0,7	0,3	0,5
Luhansk	1,5	c	c	c	c	c
Lviv	0,6	c	c	c	c	c
Mykolayiv	8,8	3,9	4,4	6,2	8,3	7,9
Odesa	2,0	0,6	0,9	1,2	1,1	1,0
Poltava	40,4	8,5	5,1	3,9	4,5	4,0
Rivne	14,7	16,0	17,1	17,2	16,7	16,7
Sumy	17,0	13,7	11,3	13,1	12,2	7,9
Ternopil	6,0	3,8	3,1	2,6	2,7	2,1
Kharkiv	5,6	0,9	0,7	0,4	1,7	0,5
Kherson	10,6	2,8	2,1	2,2	2,1	1,8
Khmelnyskiy	11,7	2,7	2,8	4,0	3,8	3,3
Cherkasy	20,9	14,9	15,6	15,4	14,6	14,9
Chernivtsi	c	c	c	c	c	c
Chernihiv	15,9	7,6	5,7	7,1	6,8	4,6
city						
Kyiv	c	c	c	c	c	c

INDUSTRY

17.17. Output of curdled milk, cream, yogurt and other fermented products, by region

(thsd.t)

	2010	2015	2016	2017	2018	2019
Ukraine	368,4	297,2	293,2	272,2	274,5	280,5
Autonomous Republic of Crimea	7,2	...	...	...	...	...
oblasts						
Vinnnytsya	0,4	c	8,7	8,5	13,5	19,7
Volyn	c	c	c	c	c	c
Dnipropetrovsk	44,5	31,9	31,1	25,8	26,1	27,6
Donetsk	43,1	2,7	2,0	1,8	1,4	1,4
Zhytomyr	8,0	4,4	4,2	4,1	4,2	4,2
Zakarpattya	0,3	c	—	—	—	—
Zaporizhzhya	13,1	5,7	5,6	4,2	2,7	3,4
Ivano-Frankivsk	3,0	2,8	2,8	2,7	2,4	1,9
Kyiv	57,0	79,5	75,5	74,1	73,3	71,1
Kirovohrad	c	c	c	2,0	c	c
Luhansk	6,1	0,5	0,5	0,4	0,4	0,4
Lviv	40,2	14,5	16,0	17,6	23,1	25,8
Mykolayiv	17,0	19,2	21,5	22,6	23,7	24,7
Odesa	3,6	3,4	3,8	3,7	3,4	3,9
Poltava	32,8	33,9	31,0	27,6	28,2	30,8
Rivne	2,7	3,6	3,9	4,9	5,3	5,4
Sumy	4,6	c	c	c	c	c
Ternopil	8,2	20,2	19,8	17,2	18,1	18,3
Kharkiv	24,7	28,7	27,9	25,1	23,5	17,9
Kherson	15,7	c	10,0	5,6	2,7	2,2
Khmelnyskiy	2,4	3,4	3,1	4,1	3,7	4,6
Cherkasy	c	c	c	c	c	c
Chernivtsi	—	0,3	0,6	0,2	c	c
Chernihiv	4,9	4,9	4,6	3,2	2,8	2,1
city						
Kyiv	22,2	c	c	c	c	c

INDUSTRY

17.18. Output of wheat or meslin flour, by region*(thsd.t)*

	2010	2015	2016	2017	2018	2019
Ukraine	2422,5	2056,4	1974,0	1991,0	1746,0	1737,6
Autonomous Republic of Crimea	142,1	...	...	...	...	...
oblasts						
Vinnitsya	165,7	194,2	254,9	252,3	236,9	250,5
Volyn	34,3	30,8	29,2	30,0	24,2	28,2
Dnipropetrovsk	156,3	157,7	166,5	176,1	161,6	166,2
Donetsk	252,8	38,1	22,3	c	10,3	8,7
Zhytomyr	12,7	14,9	19,2	25,9	22,0	32,9
Zakarpattya	26,7	c	c	13,8	c	c
Zaporizhzhya	78,5	84,1	99,0	85,7	66,9	66,3
Ivano-Frankivsk	50,2	43,0	41,2	33,1	25,9	20,0
Kyiv	124,7	145,9	123,4	165,2	174,8	149,4
Kirovohrad	33,6	54,2	34,0	29,8	37,7	54,2
Luhansk	148,2	54,1	36,7	32,7	30,3	33,4
Lviv	52,5	60,2	57,5	67,3	72,9	69,7
Mykolayiv	61,9	44,7	47,1	29,7	24,5	22,5
Odesa	106,5	106,8	108,9	107,6	76,3	75,4
Poltava	68,0	86,5	82,9	55,4	34,1	30,9
Rivne	48,5	36,5	35,3	38,5	38,2	33,3
Sumy	86,3	112,7	97,3	94,0	71,0	94,5
Ternopil	59,7	55,8	57,3	57,2	46,6	46,5
Kharkiv	173,9	304,6	288,6	279,2	235,0	227,9
Kherson	100,9	87,1	75,0	64,1	50,2	32,1
Khmelnyskiy	79,2	55,9	61,0	103,5	109,1	92,9
Cherkasy	144,3	130,6	87,3	112,0	67,2	70,4
Chernivtsi	32,2	15,6	17,8	13,5	12,4	10,5
Chernihiv	25,1	22,0	20,2	19,6	21,2	16,4
cities						
Kyiv	c	c	c	c	c	c
Sevastopol	c	...	...	...	...	...

INDUSTRY

17.19. Output of bread and bakery products, short storage, by region*(thsd.t)*

	2010	2015	2016	2017	2018	2019
Ukraine¹	1807,7	1232,0	1160,0	1072,6	975,1	892,7
Autonomous Republic of Crimea	61,4	...	...	...	...	...
oblasts						
Vinnycya	66,3	44,0	39,9	37,4	34,6	30,1
Volyn	42,3	31,3	31,5	29,1	28,4	26,8
Dnipropetrovsk	186,7	167,9	148,1	138,1	125,8	116,3
Donetsk	161,6	49,9	46,6	44,3	36,1	35,2
Zhytomyr	57,2	40,5	37,8	34,9	31,3	28,4
Zakarpattia	13,6	12,1	10,2	9,3	8,5	7,6
Zaporizhzhya	74,8	64,3	64,3	61,8	50,0	45,9
Ivano-Frankivsk	33,8	27,7	26,1	26,1	24,9	22,3
Kyiv	68,5	113,7	115,8	102,5	93,8	93,0
Kirovohrad	26,7	14,2	12,6	11,3	10,9	9,9
Luhansk	74,4	11,7	11,0	9,6	7,9	7,3
Lviv	70,9	50,7	49,0	48,0	43,7	42,0
Mykolayiv	36,8	26,3	22,4	21,1	19,5	18,4
Odesa	93,9	80,8	78,0	71,6	68,4	52,2
Poltava	58,2	33,6	35,7	32,5	29,0	28,9
Rivne	36,3	28,0	27,9	27,9	28,4	28,5
Sumy	61,2	40,6	35,1	31,6	32,0	29,4
Ternopil	15,7	10,0	8,2	7,5	7,5	6,7
Kharkiv	131,3	92,6	90,9	79,2	73,9	66,7
Kherson	34,4	27,2	26,5	23,4	21,7	18,2
Khmelnyskiy	55,5	50,4	48,6	47,0	44,4	37,9
Cherkasy	64,9	35,6	29,5	24,8	21,9	19,3
Chernivtsi	29,4	23,2	20,1	18,6	18,1	17,2
Chernihiv	50,4	29,8	25,2	22,1	20,7	18,7
cities						
Kyiv	182,9	125,8	119,1	112,8	93,3	85,7
Sevastopol	18,2	...	...	...	...	...

¹ The difference between the total and the sum of additive components is explained by rounding of data

INDUSTRY

17.20. Output of refined white beet sugar in solid form, by region*(thsd.t)*

	2010	2015	2016	2017	2018	2019
Ukraine	1546,2	1459,3	1997,0	2042,7	1753,6	1490,0
of which						
oblasts						
Vinnitsya	296,0	314,9	430,4	428,0	399,8	378,6
Volyn	91,4	c	c	138,4	c	c
Zhytomyr	c	c	81,2	c	c	c
Ivano-Frankivsk	c	—	—	—	—	c
Kyiv	162,5	154,5	203,1	167,2	193,3	182,7
Kirovohrad	c	c	69,8	c	c	c
Lviv	c	c	c	c	c	c
Mykolayiv	—	c	c	c	—	—
Poltava	239,9	209,6	297,8	230,8	222,6	182,0
Rivne	c	—	—	—	—	—
Sumy	c	—	—	c	c	—
Ternopil	147,7	c	190,2	276,8	226,0	c
Kharkiv	62,1	78,5	159,9	118,6	77,1	c
Khmelnytskyi	164,3	167,5	228,5	270,9	215,5	192,8
Cherkasy	89,3	c	c	c	c	c
Chernivtsi	c	—	—	—	—	c
Chernihiv	c	c	c	c	c	c
city						
Kyiv	—	—	—	c	c	c

18. AGRICULTURE, HUNTING, FORESTRY, FISHERY

This section presents information about agriculture, hunting, forestry and fishery.

Index of agricultural products reflects the changes in physical volume of agricultural production produced over the periods selected for comparisons.

Indices of agricultural production and the shares of agricultural production by categories of farms, groups and types of agricultural products, regions for 2015–2018 have been revised in connection with the introduction of 2016 reference / base year.

Enterprise is a business entity with right of legal person or an independent unit of legal person that performs systematic economic activity in agriculture. Farms are also put into enterprises.

Agricultural holdings of households are households that carry out agricultural activity both to provide themselves with foodstuffs and produce marketable agricultural products. This category of producers also includes natural persons-entrepreneurs who undertake their activities in the area of agriculture.

Profitability of agricultural production is compiled as a ratio of profit/loss from sales agricultural products to its full self-cost.

Average price for the agricultural products sold by enterprises is the average unit value (tones, thsd. units) of the sold own production products given its quality but excluding tax on value added, grants, overhead costs, transport and forwarding charges that is calculated by dividing the products sold over the relevant period by its quantity. In 2000/2011, the average price included the sum of grants at the expense of funds of tax on value added and budget grants; since 2012 it is not included.

Agricultural lands are land plots systematically used to obtain agricultural products. Their composition includes arable

land (including bare fallow), idle land, perennial plantings, hay land, pastures.

Production (gross harvest) of agricultural crops is the overall size of annual and biannual crops products obtained from principle, secondary and between row sowing.

Production of grain and leguminous crops, and sunflower seeds is presented as weight after processing, sugar beets (for processing) are measured without soil and medley, vegetable crops include greenhouse products.

Yield of agricultural crops is an average size of certain crop produce obtained from a unit of actually harvested area. It is calculated as a ration of gross harvest from principle, secondary and between row sowing area and actual harvested area of a given crop.

Production (gross harvest) of fruit and berry crops, grapes is the overall size of products harvested from perennial plantings regardless of their age.

Yield of perennial plantings is an average size of certain products of perennial plantings. It is calculated as a ratio of gross harvest from total area under perennial plantings and planted area under this crop in fruit bearing age.

Population of livestock animals is the indicator characterizing the availability of livestock animals of the relevant type (total or by sex and age group) as of reporting date.

Meat production of livestock animals is the overall volume of livestock slaughtering weight (meat, slaughter fat, edible offal) which is obtained both when sold for slaughtering (marketable slaughter) and animal on farm slaughtering for meat regardless of where the slaughtering was made; directly at enterprise or at slaughterhouse.

Milk production (total mild yield) of all kinds is the overall volume of actually milk yield taken from cows of all breeds, buffalo

cows, sheep and goats, mares, other dams of livestock animals.

Egg production by poultry of all kinds is the overall number of eggs obtained from all kinds of poultry including the losses due to breakage, spoiling, etc as well as eggs spent for young birds reproduction (incubation) by hens or in hatchers. The eggs purchased or obtained from outside for incubation and other needs are not included into poultry eggs production.

Wool production (total amount of wool shorn) of all kinds is the overall actual volume of wool shorn from live sheep and goats including wool that was used to intra-farm needs.

Hunting areas are the land and waters (forest, fields, meadows, swamps, lakes, etc) which are inhabited with animals that could be used for hunting or game shooting and catching.

Hunting animals are the wild beasts and birds that could be huntable species.

The value of the sold forest products is defined at the price of forestry finished products shipped outside the enterprise. It is mentioned in the documents issued as a basis for the settlements with a customers/clients (including the products according to the barter contracts) excluding value added tax.

Round timber is the total volume of the fallen or otherwise cut and taken away timber that can be used for economic purpose.

Low-grade wood is round timber used as fuel for cooking, heating or producing energy. This term also includes wood used for production of charcoal, wood pallets and other agglomerates, wood chips that were directly obtained in the forests from round timber and are subject to using as fuel.

Test felling and forest rehabilitation and other felling are a periodical felling of a

part of the planted trees and bushes which are made since the beginning of planting, but before the main felling, to make the necessary storage, and improve planting.

Timber harvesting is a clear-cutting of ripe trees on a special parcel of forest in order to obtain wood. It also includes the felling of some trees planted for the purpose of cultivation and protection of the forest, and procurement of wood when cleaning blocked forest trails.

Main felling is felling of ripe trees in order to procure the timber.

Forest restoration is the work dealing with the improvements to forests on forest compartments covered with forest vegetation (timber blocking, burned areas, etc) and forest planting in the lands of agricultural purpose not covered by the forest vegetation.

Forest protection against infestations and diseases is ensured through systematic observation over the forests status, timely detection of the forest infestations and diseases, prophylactics of these core areas, their location and liquidation.

Harvesting of water bio-resources is the volume of water bio-resources (fish and other water bio-resources) extracted from all fishery water bodies or other parts (sees, oceans, ponds, rivers, water reservoirs, lakes and other water basins) both to sell to re-processors, trade organisations, etc and also to further process them at the own enterprise regardless of the purpose of their further usage: production of food, technical, feed, medical and other types of products. At the enterprises engaged in pond fish farming, the volume of catch live pond fish also includes the fish that have been re-weighted and transferred from fishing pond to winter ponds.

AGRICULTURE, HUNTING, FORESTRY, FISHERY

AGRICULTURE

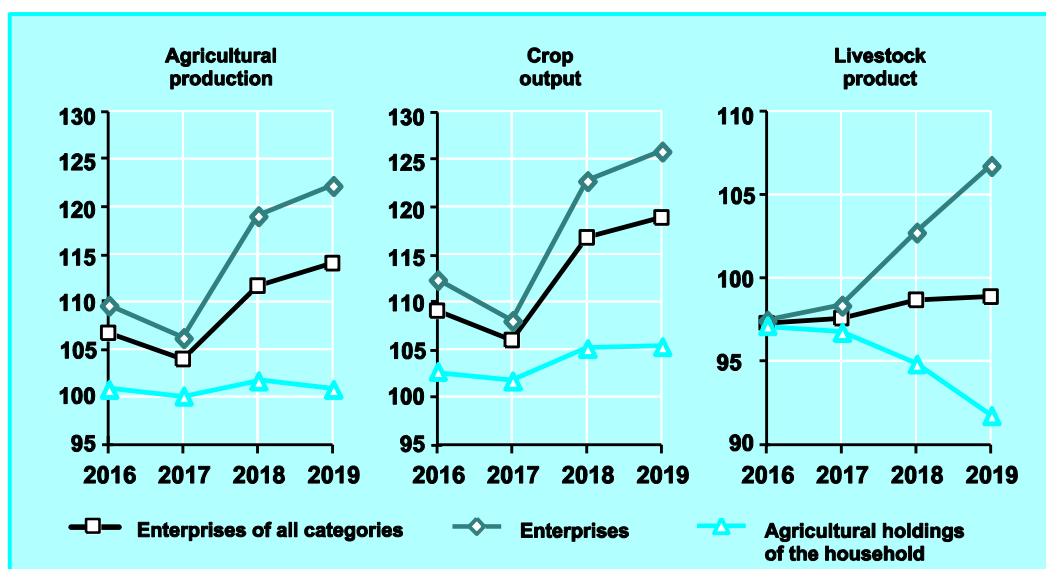
18.1. Index of agricultural products, by category of enterprises

(percent of the previous year)

	Enterprises of all categories			Including					
	agricultural production	of which		agricultural production	of which		agricultural production	of which	
		crop output	livestock product		crop output	livestock product		crop output	livestock product
2015	95,2	94,8	96,4	94,8	94,5	96,5	95,8	95,5	96,3
2016	106,3	109,1	97,3	109,7	112,4	97,5	100,9	102,8	97,2
2017	97,8	97,1	100,2	97,0	96,2	101,0	99,3	99,1	99,6
2018	108,2	110,2	101,2	112,0	113,6	104,5	101,7	103,3	98,1
2019	101,4	101,8	100,2	102,7	102,5	103,8	99,1	100,2	96,7

18.2. Index of agricultural products

(percent of 2015)



AGRICULTURE, HUNTING, FORESTRY, FISHERY

18.3. Index of agricultural products, by region
(percent of the previous year)

	2015	2016	2017	2018	2019
Ukraine	95,2	106,3	97,8	108,2	101,4
Autonomous Republic of Crimea	...	...	...	...	...
oblasts					
Vinnysya	91,7	116,9	95,9	110,6	101,1
Volyn	95,3	101,8	104,9	103,1	101,3
Dnipropetrovsk	106,2	100,2	100,6	102,7	110,0
Donetsk	64,8	108,2	102,3	90,4	121,6
Zhytomyr	91,1	116,6	105,9	111,8	100,9
Zakarpattya	95,0	96,7	101,5	106,9	100,9
Zaporizhzhya	109,2	98,6	96,8	85,6	129,5
Ivano-Frankivsk	95,4	101,6	104,1	101,3	97,2
Kyiv	89,1	109,7	95,8	123,9	91,7
Kirovohrad	97,6	109,3	86,2	120,6	107,6
Luhansk	77,7	119,2	94,1	109,1	114,4
Lviv	97,0	102,5	106,2	103,6	100,8
Mykolayiv	102,0	108,4	91,0	106,1	107,0
Odesa	96,1	111,5	99,5	101,1	88,4
Poltava	107,2	103,2	83,3	123,8	95,7
Rivne	92,7	104,8	105,1	102,5	99,4
Sumy	95,3	103,4	100,1	111,3	100,0
Ternopil	88,7	104,5	111,2	103,8	97,8
Kharkiv	97,1	106,5	90,2	106,1	102,5
Kherson	104,9	103,6	99,7	100,5	104,7
Khmelnyskiy	87,2	108,1	112,1	102,5	97,0
Cherkasy	99,3	102,4	88,6	122,8	97,7
Chernivtsi	91,0	99,9	105,4	105,1	95,6
Chernihiv	98,0	104,4	105,4	111,1	97,8
city					
Sevastopol	...	...	...	...	...

AGRICULTURE, HUNTING, FORESTRY, FISHERY

18.4. Structure of agricultural production, by type
(percentage of total volume)

	2015	2016	2017	2018	2019
Crop output	75,9	77,9	77,4	78,9	79,1
Grain and leguminous crops	32,4	33,4	32,0	33,6	35,2
Industrial crops	25,0	27,1	26,9	28,4	28,6
Potatoes, vegetable and cucurbits crops	13,0	12,6	12,9	12,1	11,4
Fruit and berry crops, grapes	1,4	1,2	1,3	1,4	2,1
Fodder crops	3,0	2,8	2,7	2,6	1,3
Other products and change in incomplete production	1,1	0,8	1,6	0,8	0,5
Livestock product	24,1	22,1	22,6	21,1	20,9
Raising farm livestock	11,8	11,1	11,2	10,8	10,9
Milk	7,9	7,3	7,4	6,7	6,3
Eggs	3,3	2,8	2,9	2,8	2,8
Wool	0,0	0,0	0,0	0,0	0,0
Other products	1,1	0,9	1,1	0,8	0,9

18.5. Structure of agricultural production, by category of producers
(percentage of total volume)

	2015	2016	2017	2018	2019
Enterprises					
Agricultural production	61,6	63,6	63,0	65,2	66,1
Crop output	66,1	68,1	67,4	69,5	69,9
Livestock product	47,5	47,6	48,0	49,5	51,3
Agricultural holdings of households					
Agricultural production	38,4	36,4	37,0	34,8	33,9
Crop output	33,9	31,9	32,6	30,5	30,1
Livestock product	52,5	52,4	52,0	50,5	48,7

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18.6. Structure of agricultural production, by type in 2019, by region

(percent)

	Enterprises of all categories			Enterprises			Agricultural holdings of the household		
	agricultural production	of which		agricultural production	of which		agricultural production	of which	
		crop output	livestock product		crop output	livestock product		crop output	livestock product
Ukraine	100,0	79,1	20,9	100,0	83,8	16,2	100,0	70,0	30,0
Autonomous Republic of Crimea	...	...	...	...	...	...	...	...	...
oblasts									
Vinnycya	100,0	69,0	31,0	100,0	68,6	31,4	100,0	70,0	30,0
Volyn	100,0	68,4	31,6	100,0	69,1	30,9	100,0	67,7	32,3
Dnipropetrovsk	100,0	77,7	22,3	100,0	76,2	23,8	100,0	81,1	18,9
Donetsk	100,0	75,7	24,3	100,0	76,2	23,8	100,0	74,9	25,1
Zhytomyr	100,0	80,5	19,5	100,0	93,7	6,3	100,0	62,4	37,6
Zakarpattya	100,0	50,6	49,4	100,0	89,9	10,1	100,0	46,5	53,5
Zaporizhzhya	100,0	87,5	12,5	100,0	92,5	7,5	100,0	77,5	22,5
Ivano-Frankivsk	100,0	57,7	42,3	100,0	63,4	36,6	100,0	54,2	45,8
Kyiv	100,0	70,3	29,7	100,0	70,5	29,5	100,0	69,6	30,4
Kirovohrad	100,0	89,4	10,6	100,0	96,1	3,9	100,0	75,4	24,6
Luhansk	100,0	91,7	8,3	100,0	97,7	2,3	100,0	78,8	21,2
Lviv	100,0	69,4	30,6	100,0	76,7	23,3	100,0	62,7	37,3
Mykolayiv	100,0	88,6	11,4	100,0	96,7	3,3	100,0	74,0	26,0
Odesa	100,0	89,2	10,8	100,0	97,3	2,7	100,0	76,8	23,2
Poltava	100,0	84,3	15,7	100,0	87,1	12,9	100,0	77,3	22,7
Rivne	100,0	75,0	25,0	100,0	83,9	16,1	100,0	67,6	32,4
Sumy	100,0	86,9	13,1	100,0	93,9	6,1	100,0	62,3	37,7
Ternopil	100,0	81,4	18,6	100,0	89,5	10,5	100,0	66,5	33,5
Kharkiv	100,0	84,1	15,9	100,0	88,7	11,3	100,0	75,2	24,8
Kherson	100,0	86,7	13,3	100,0	92,0	8,0	100,0	78,3	21,7
Khmelnyskiy	100,0	81,6	18,4	100,0	88,5	11,5	100,0	63,9	36,1
Cherkasy	100,0	67,7	32,3	100,0	67,0	33,0	100,0	71,0	29,0
Chernivtsi	100,0	70,0	30,0	100,0	74,7	25,3	100,0	68,3	31,7
Chernihiv	100,0	87,6	12,4	100,0	92,7	7,3	100,0	65,5	34,5
city									
Sevastopol	...	...	...	...	...	...	...	...	...

AGRICULTURE, HUNTING, FORESTRY, FISHERY

18.7. Structure of agricultural production, by category of producers in 2019, by region

(percent)

	Agricultural production			Crop output			Livestock product		
	enterprises of all categories	of which		enterprises of all categories	of which		enterprises of all categories	of which	
		enterprises	agricultural holdings of the household		enterprises	agricultural holdings of the household		enterprises	agricultural holdings of the household
Ukraine	100,0	66,1	33,9	100,0	69,9	30,1	100,0	51,3	48,7
Autonomous Republic of Crimea	...	...	...	...	...	...	...	...	...
oblasts									
Vinnnytsya	100,0	74,2	25,8	100,0	73,8	26,2	100,0	75,0	25,0
Volyn	100,0	52,4	47,6	100,0	52,9	47,1	100,0	51,2	48,8
Dnipropetrovsk	100,0	69,1	30,9	100,0	67,8	32,2	100,0	73,9	26,1
Donetsk	100,0	64,9	35,1	100,0	65,3	34,7	100,0	63,6	36,4
Zhytomyr	100,0	57,8	42,2	100,0	67,2	32,8	100,0	18,8	81,2
Zakarpattya	100,0	9,5	90,5	100,0	16,8	83,2	100,0	1,9	98,1
Zaporizhzhya	100,0	66,4	33,6	100,0	70,2	29,8	100,0	39,5	60,5
Ivano-Frankivsk	100,0	38,7	61,3	100,0	42,5	57,5	100,0	33,5	66,5
Kyiv	100,0	74,7	25,3	100,0	74,9	25,1	100,0	74,1	25,9
Kirovohrad	100,0	67,3	32,7	100,0	72,4	27,6	100,0	24,5	75,5
Luhansk	100,0	68,4	31,6	100,0	72,8	27,2	100,0	19,1	80,9
Lviv	100,0	48,1	51,9	100,0	53,1	46,9	100,0	36,7	63,3
Mykolayiv	100,0	64,7	35,3	100,0	70,5	29,5	100,0	19,0	81,0
Odesa	100,0	60,6	39,4	100,0	66,1	33,9	100,0	15,0	85,0
Poltava	100,0	70,8	29,2	100,0	73,2	26,8	100,0	57,9	42,1
Rivne	100,0	45,7	54,3	100,0	51,1	48,9	100,0	29,4	70,6
Sumy	100,0	77,9	22,1	100,0	84,2	15,8	100,0	36,5	63,5
Ternopil	100,0	64,8	35,2	100,0	71,3	28,7	100,0	36,7	63,3
Kharkiv	100,0	65,5	34,5	100,0	69,1	30,9	100,0	46,4	53,6
Kherson	100,0	60,9	39,1	100,0	64,7	35,3	100,0	36,5	63,5
Khmelnyskiy	100,0	71,8	28,2	100,0	77,9	22,1	100,0	44,8	55,2
Cherkasy	100,0	81,1	18,9	100,0	80,2	19,8	100,0	83,1	16,9
Chernivtsi	100,0	26,7	73,3	100,0	28,4	71,6	100,0	22,5	77,5
Chernihiv	100,0	81,3	18,7	100,0	86,0	14,0	100,0	48,0	52,0
city									
Sevastopol

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18.8. Distribution of enterprises engaged in agricultural activity in 2019, by size of agricultural lands

(November 1)

	Number of enterprises		Area of agricultural lands	
	units	percent of the total number	thsd.ha	percent of the total area of agricultural land
Enterprises that have agricultural lands including with the area, ha	38523	79,4	20113,6	100,0
under 5,00	2457	5,1	7,9	0,0
5,01–10,00	2200	4,5	17,2	0,1
10,01–20,00	3518	7,3	54,5	0,3
20,01–50,00	10440	21,4	393,6	2,0
50,01–100,00	4778	9,9	345,4	1,7
100,01–500,00	7717	15,9	1890,2	9,4
500,01–1000,00	2672	5,4	1918,6	9,5
1000,01–2000,00	2410	5,0	3451,9	17,2
2000,01–3000,00	1056	2,2	2566,9	12,8
3000,01–4000,00	472	1,0	1626,6	8,1
4000,01–5000,00	243	0,5	1077,5	5,4
5000,01–7000,00	256	0,5	1495,6	7,4
7000,01–10000,00	125	0,3	1048,5	5,2
over 10000,00	179	0,4	4219,2	20,9
Enterprises that do not have agricultural land	9981	20,6	×	×

18.9. Structure of production cost of agriculture products (operations, services) by enterprises¹

(percent)

	Products (operations, services) of agriculture		
	2017	2018	2019
Production costs, total	100,0	100,0	100,0
Direct material expenses, total	59,8	56,0	57,7
including			
seeds and planting stock	7,5	8,1	8,3
fodder	10,3	11,7	11,4
other agricultural produce	1,4	1,5	1,7
mineral fertilisers	12,3	13,0	15,0
fuels and lubricants	7,6	8,8	8,7
electricity	0,8	0,9	1,0
fuels and energy	1,1	1,1	0,6
spare parts, repair and construction materials for repair	4,6	4,8	5,0
Direct expenses for labour remuneration	5,0	5,7	6,4
Other direct expenses, total	19,6	21,4	21,3
including			
benefits-related deductions	1,1	1,2	1,4
rent payments for			
land parcels (shares)	8,9	9,9	9,7
property shares	0,1	0,1	0,1
depreciation	4,7	5,8	7,0
General production expenses, total	15,6	16,9	14,6
of which			
payment for services of outside organisations	7,2	7,7	7,7

¹ Information is compiled on enterprises with the main type of activity: *Cultivation of non-perennial and biennial crops, Cultivation of permanent crops, Restoration of plants, Animal breeding, Mixed agriculture, Supporting activities in agriculture and after harvest activity and Production of poultry meat* (codes 01.1-01.6 and 10.12 by the *Classification of Types of Economic Activity SC 009:2010*)

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**18.10. Profitability of production of basic types of agricultural products
by enterprises¹**

	<i>(percent)</i>				
	2015	2016	2017	2018	2019
Grain and leguminous crops	42,6	37,8	25,0	24,7	11,8
Factory sugar beets	27,7	24,6	12,4	-11,4	-15,4
Sunflowers	78,4	61,9	41,3	32,5	23,5
Potatoes	24,6	0,6	10,0	6,8	15,4
Vegetable crops	32,0	15,3	9,9	13,3	-2,8
Fruit and berry crops	58,3	25,0	35,4	6,4	6,2
Grapes	92,9	71,4	51,6	22,6	-7,2
Cattle for meat ²	-16,9	-23,2	3,4	-17,7	-27,1
Pigs for meat ²	12,6	-4,1	3,5	6,9	4,7
Sheep and goats for meat ²	-26,6	-31,5	-39,6	-16,6	-39,7
Poultry for meat ²	-5,4	3,4	7,0	5,7	-3,7
Milk	12,7	18,6	26,9	16,1	20,6
Eggs ³	60,9	0,5	-9,0	5,4	-23,5
Wool ³	-61,9	-31,8	-69,8	-69,5	-71,1

¹ See the footnote to Table 18.9

² Excluding the transfers on own production capacities

³ For 2015/2016, data on hen eggs are presented for large and medium-sized agricultural enterprises engaged in agricultural activity

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**18.11. Profitability of production of basic types of agricultural products in enterprises¹
in 2019, by region**

(percent)

	Grain and leguminous crops	Sunflower	Vegetable crops	Fruit and berry crops	Cattle for meet ²	Pigs for meet ²	Poultry for meet ²	Milk	Eggs
Ukraine	11,8	23,5	2,8	6,2	-27,1	4,7	-3,7	20,6	-23,5
Autonomous Republic of Crimea	...	...	...	...	...	...	...	...	...
oblasts									
Vinnitsya	16,0	24,2	-15,2	2,5	-19,4	-9,4	-6,9	26,0	-7,3
Volyn	15,7	18,3	16,0	26,0	-16,0	3,4	-8,5	33,3	-95,3
Dnipropetrovsk	10,3	26,0	20,2	13,1	-37,7	-4,2	-22,6	28,3	-10,5
Donetsk	9,0	19,8	8,7	-20,8	-11,6	-10,4	-38,1	6,4	-1,5
Zhytomyr	8,1	19,3	1,7	59,3	-26,1	-12,7	-15,2	23,1	-22,8
Zakarpattia	-0,9	11,7	-4,2	18,9	-6,1	7,0	-5,1	-32,7	-11,0
Zaporizhzhya	13,9	22,1	2,1	2,9	-42,9	-9,4	-5,2	6,6	-19,0
Ivano-Frankivsk	-6,4	-2,7	18,2	92,7	-18,9	25,3	1,7	13,8	-99,9
Kyiv	18,8	23,8	2,3	2,3	-26,2	17,6	33,1	13,4	-13,6
Kirovohrad	14,1	29,6	-53,4	0,4	-30,2	-3,5	12,1	1,2	40,1
Luhansk	1,1	19,1	-17,1	-49,1	-32,7	-45,6	-0,2	0,0	38,5
Lviv	0,5	16,3	-2,6	-4,6	-12,7	17,7	10,6	3,2	2,1
Mykolayiv	15,8	32,6	-5,6	-39,9	-21,3	-16,2	-61,5	46,7	-20,8
Odesa	1,6	13,8	4,5	-17,9	-31,8	-2,6	-17,7	11,3	-34,4
Poltava	10,9	23,0	-15,5	-51,8	-36,8	-13,9	-25,2	20,1	-6,0
Rivne	6,1	-0,2	3,0	23,7	-28,0	2,2	17,7	15,5	2,2
Sumy	19,0	28,0	3,5	4,7	-21,4	-1,9	-62,5	25,5	-14,4
Ternopil	2,7	12,1	-19,9	29,9	-18,4	11,3	-25,5	17,3	6,2
Kharkiv	3,0	23,8	18,3	-14,2	-37,7	1,9	-3,1	19,3	-61,9
Kherson	9,7	19,3	8,6	22,8	-20,0	-6,9	-74,2	21,2	-14,2
Khmelnyskiy	13,7	36,1	9,7	8,2	-30,7	5,1	-2,4	26,9	20,0
Cherkasy	21,7	31,1	-2,3	-24,2	-26,3	-1,5	-3,2	24,1	-84,2
Chernivtsi	-1,9	14,0	3,8	-3,9	-48,0	9,1	-21,2	7,1	103,5
Chernihiv	14,4	16,6	4,2	13,0	-28,4	-0,2	-25,0	27,3	-13,4
cities									
Kyiv	7,7	14,2	-6,3	3,6	-2,8	-8,3	-6,6	10,5	-33,6
Sevastopol

¹ See the footnote to Table 18.9

² See the second footnote to Table 18.10

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18.12. Average prices for selling agricultural products by agricultural enterprises

(1 t; UAH)

	2000	2005	2010	2015	2016	2017	2018	2019
Enterprises								
Grain and leguminous crops	443,8	417,8	1120,9	2912,1	3414,0	3771,6	4315,0	3867,5
including								
wheat	487,0	415,2	1085,8	2796,2	3287,9	3814,7	4586,1	4077,1
rye	468,8	317,2	792,7	2222,4	2950,4	3106,4	3205,5	4276,8
grain maize	386,4	343,1	1246,1	2989,9	3530,0	3668,9	4011,5	3684,6
barley	374,2	488,5	955,1	2661,5	3007,0	3634,2	4815,4	3932,5
oats	345,6	334,2	766,8	2065,4	2821,4	3301,5	3906,1	4305,6
millet	349,9	295,4	1036,2	3315,8	3195,5	3634,0	7700,2	6929,5
buckwheat	748,0	883,8	3910,0	9098,3	13106,8	10490,8	5827,8	7158,7
rice	707,7	1017,9	2348,1	7426,3	6335,1	7663,4	7909,4	7898,7
legumes	575,0	579,0	1596,4	5382,5	6524,1	5719,2	5394,5	5337,4
Oil crops	525,7	981,5	2942,6	7531,5	8656,1	9132,0	9318,3	8321,2
Factory sugar beets	121,5	177,0	478,5	788,6	848,6	825,3	749,0	753,7
Potatoes	517,1	685,2	2131,0	2436,3	2631,8	3296,3	3746,0	5474,7
Vegetable crops	572,1	1462,1	2551,6	3903,4	3924,2	4136,1	4448,0	4497,0
Fruit and berry crops	394,9	987,8	2419,8	5894,5	5863,8	8766,6	5054,0	6494,4
Grapes	724,5	1476,1	3638,2	6450,3	6307,0	6219,5	5822,3	5451,4
Livestock animals (live weight)	2358,0	6909,9	10797,1	21966,2	22468,0	31838,4	33331,2	32679,8
Milk	536,4	1126,9	2938,7	4347,3	5461,8	7234,0	7602,4	8198,2
Eggs, for thsd.pcs	191,7	251,8	470,6	1333,2	1108,7	1145,9	1600,3	1206,1
Wool	3182,5	4441,4	4165,3	14216,7	24420,4	19833,9	23350,5	25027,3
Agricultural holdings of the household								
Grain and leguminous crops	...	454,0	1195,6	2805,4	3059,7	3431,3	3986,1	3702,9
Oil crops	...	1079,5 ¹	3026,0	6708,3	7835,1	8056,8	8168,3	6737,2
Factory sugar beets	...	170,4	354,6	631,6	869,4	747,9	700,0	—
Potatoes	...	1111,5	3601,6	3566,6	3731,6	4532,4	3563,2	9276,8
Vegetable crops	...	1449,7	3061,4	7557,3	5844,0	6913,0	8013,3	11677,0
Fruit and berry crops	...	1920,2	5043,7	9790,9	13214,0	13256,4	9116,4	18123,0
Grapes	...	901,6	3842,1	7831,6	10060,7	10403,0	6662,6	11758,0
Livestock animals (live weight)	...	7661,3	12939,4	25345,9	26542,8	33591,1	37968,6	38429,4
Milk	...	1035,2	2563,4	3619,9	4351,4	5550,2	5995,8	6638,2
Eggs, for thsd.pcs	...	389,7	809,0	1749,2	1774,0	1999,0	2462,7	2423,1
Wool	...	3054,8	3507,3	8021,0	14954,5	19631,9	17570,6	—

¹ Sale of sunflower seeds

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CROP GROWING

18.13. Distribution of land areas and agricultural lands

(source: the State Service of Geodesy, Cartography and Cadastre of Ukraine; end of year; thsd.ha)

	2000	2005	2010	2015	2016	2017	2018	2019
Total agricultural land	41827,0	41722,2	41576,0	41507,9	41504,9	41489,3	41329,0	41310,9
including								
arable fields	32563,6	32451,9	32476,5	32541,3	32543,4	32544,3	32698,5	32757,3
hay fields	2388,6	2429,2	5481,9	2406,4	2402,9	2399,4	2294,4	2283,9
pastures	5521,3	5521,3	2410,9	5434,1	5430,9	5421,5	5282,6	5250,3
conversions	421,6	419,3	310,2	233,7	230,6	229,3	190,5	166,7
perennial plantations	931,9	900,5	896,5	892,4	897,1	894,8	863,0	852,7

18.14. Sown area for agricultural crops in 1940–2019

(thsd.ha)

	Agricultural crops	Of which				
		grain and leguminous crops	factory sugar beets	sunflowers	potatoes	vegetable crops in open ground (without seed crops)
1940	31336	21385	820	720	2060	486
1950	30656	20047	828	894	1904	374
1955	32892	20446	1092	935	2152	461
1960	33547	13729	1457	1505	2186	474
1965	33785	16495	1863	1777	2108	464
1970	32782	15518	1659	1710	1988	466
1975	33617	16540	1769	1672	1857	499
1980	33578	16473	1775	1683	1682	497
1985	32656	16077	1641	1480	1528	499
1990	32406	14583	1607	1636	1429	456
1995	30963	14152	1475	2020	1532	503
2000	27173	13646	856	2943	1629	538
2005	26044	15005	652	3743	1514	465
2010	26952	15090	501	4572	1408	462
2015	26902	14738	237	5105	1291	440
2016	27026	14401	292	6073	1312	442
2017	27585	14624	316	6034	1323	439
2018	27699	14839	276	6117	1319	433
2019	28001	15318	222	5928	1309	446

AGRICULTURE, HUNTING, FORESTRY, FISHERY

18.15. Sown area for agricultural crops

(thsd. ha)

	2000	2005	2010	2015	2016	2017	2018	2019
Agricultural crops	27173	26044	26952	26902	27026	27585	27699	28001
Grain and leguminous crops	13646	15005	15090	14739	14401	14624	14839	15318
Winter crops	6324	7289	7904	7904	7178	7242	7455	7836
including								
wheat ¹	5316	6185	6137	6696	6013	6168	6417	6650
rye	668	622	286	150	144	171	149	115
barley	340	482	1481	1058	1006	887	874	1058
Summer crops	7322	7716	7186	6835	7223	7382	7384	7482
of which								
wheat ¹	303	480	314	171	190	202	197	167
barley	3645	4018	3024	1768	1861	1620	1618	1555
oats	521	468	326	213	209	198	197	183
grain maize	1364	1711	2709	4123	4286	4520	4580	5005
millet	437	141	95	112	109	58	55	92
buckwheat	574	426	225	133	154	189	112	69
rice	26	21	29	12	12	13	13	11
legumes crops	408	422	429	250	324	506	565	348
Industrial crops	4187	5260	7296	8350	8852	9259	9266	9130
of which								
factory sugar beets	856	652	501	237	292	316	276	222
sunflowers	2943	3743	4572	5105	6073	6034	6117	5928
rape and colza	214	207	907	682	455	789	1042	1282
soya	65	438	1076	2158	1869	2000	1716	1609
flax	23	25	1	2	2	2	1	1
Potatoes, vegetable and cucurbits crops	2277	2041	1967	1823	1841	1844	1825	1828
of which								
potatoes	1629	1514	1408	1291	1312	1323	1319	1309
vegetable crops in open ground (without seed crops)	538	465	462	440	442	439	433	446
Fodder crops	7063	3738	2599	1990	1932	1858	1769	1725
of which								
fodder roots (including fodder sugar beets)	285	294	244	213	208	206	203	192
fodder corn	1920	774	473	309	284	286	258	243
annual grass	1765	891	583	393	374	353	338	312
perennial grass	2985	1702	1238	1027	995	955	920	921

¹ Here and elsewhere (Table 18.17, 18.19, 18.20, 18.32, 18.33) since 2016 excluding triticale

AGRICULTURE, HUNTING, FORESTRY, FISHERY

18.16. Sown area for agricultural crops in 2019, by region

(thsd.ha)

	Agricultural crops	Of which			
		grain and leguminous crops	industrial crops	potatoes, vegetable and cucurbits crops	fodder crops
Ukraine	28001	15318	9130	1828	1725
Autonomous Republic of Crimea	...	...	...	...	...
oblasts					
Vinnnytsya	1619	875	490	134	120
Volyn	593	299	133	90	71
Dnipropetrovsk	1978	1127	712	95	44
Donetsk	1020	581	351	52	36
Zhytomyr	1109	466	337	109	197
Zakarpattya	185	84	15	44	42
Zaporizhzhya	1683	972	627	37	47
Ivano-Frankivsk	371	149	83	70	69
Kyiv	1199	644	370	120	65
Kirovohrad	1704	864	735	63	42
Luhansk	833	409	384	19	21
Lviv	699	318	162	131	88
Mykolayiv	1572	890	591	40	51
Odesa	1867	1211	565	50	41
Poltava	1724	1019	523	84	98
Rivne	591	292	126	84	89
Sumy	1178	680	360	70	68
Ternopil	836	471	248	69	48
Kharkiv	1802	1047	576	96	83
Kherson	1434	756	527	85	66
Khmelnyskiy	1185	577	427	78	103
Cherkasy	1209	685	367	73	84
Chernivtsi	307	129	84	48	46
Chernihiv	1303	773	337	87	106
city					
Sevastopol	...	...	...	...	...

AGRICULTURE, HUNTING, FORESTRY, FISHERY

18.17. Harvested area

	<i>(thsd. ha)</i>							
	2000	2005	2010	2015	2016	2017	2018	2019
Grain and leguminous crops	12587	14605	14576	14641	14337	14560	14794	15292
Winter crops	5846	7187	7698	7870	7165	7231	7445	7830
including								
wheat	4888	6105	5982	6670	6003	6161	6409	6645
rye	636	608	279	149	143	170	148	115
barley	322	474	1437	1051	1004	885	873	1057
Summer crops	6741	7418	6878	6771	7172	7329	7349	7462
of which								
wheat	273	466	302	169	187	200	195	167
barley	3367	3876	2880	1755	1855	1617	1611	1552
oats	481	450	311	211	209	198	196	182
grain maize	1279	1660	2648	4084	4252	4481	4564	4987
millet	367	120	85	113	108	56	55	93
buckwheat	529	396	199	128	154	185	113	69
rice	25	21	29	12	12	13	13	11
legumes crops	383	401	391	247	321	504	556	347
Factory sugar beets	747	623	492	237	291	314	275	221
Sunflowers	2842	3689	4526	5166	6087	6061	6167	5959
Rape and colza	157	195	863	671	449	786	1039	1279
Soya	61	422	1037	2136	1859	1982	1729	1613
Flax (fiber)	20	24	1	1	2	1	1	1
Potatoes	1631	1516	1412	1291	1312	1323	1320	1309
Vegetable crops	519	464	468	447	447	446	440	452
Fodder roots (including fodder sugar beets)	281	294	246	214	208	206	203	192
Fodder corn	1843	766	469	308	284	288	259	247
Annual hay grass	289	342	298	267	262	253	234	218
Perennial hay grass	1249	1001	903	819	805	774	758	762

18.18. Area planted with fruit and berry crops, and grapes

	<i>(thsd. ha)</i>							
	2000	2005	2010	2015	2016	2017	2018	2019
Plantations of fruit and berry crops	425	299	255	235	224	226	228	225
of which fruit-bearing	378	266	223	206	197	199	200	196
Vineyards	110	96	87	45	45	44	43	42
of which fruit-bearing	99	81	68	42	43	41	41	40

AGRICULTURE, HUNTING, FORESTRY, FISHERY

18.19. Output of agricultural crops in 1913–2019

(thsd.t)

	Grain and leguminous crops		Factory sugar beets	Sunflowers	Potatoes	Vegetable crops	Fruit and berry crops	Grapes
	total	of which wheat						
1913	23157	7970	9337	71	8546	...	...	...
1940	26420	8407	13052	946	20664	5486	790	161
1950	20448	6701	13925	703	20329	2318	765	66
1955	31655	14243	21751	1385	16984	4677	1054	173
1960	21368	6645	29050	1603	19461	4948	1038	423
1965	30940	15791	41153	2544	18157	5350	1860	958
1970	35422	15177	41847	2530	19726	5807	2350	904
1975	32802	17747	35925	2277	16469	6038	2510	1187
1980	36625	20567	37558	2119	13133	7186	2253	886
1985	38899	16482	38326	2168	20315	7384	3420	430
1990	51009	30374	44264	2571	16732	6666	2902	836
1995	33930	16273	29650	2860	14729	5880	1897	457
2000	24459	10197	13199	3457	19838	5821	1453	514
2005	38016	18699	15468	4706	19462	7295	1690	443
2010	39271	16851	13749	6772	18705	8122	1747	408
2015	60126	26532	10331	11181	20839	9214	2153	386
2016	66088	26044	14011	13627	21750	9415	2007	378
2017	61917	26159	14882	12236	22208	9286	2048	410
2018	70057	24606	13968	14165	22504	9440	2571	468
2019	75143	28328	10204	15254	20269	9688	2119	366

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18.20. Output of agricultural crops

(thsd.t)

	2000	2005	2010	2015	2016	2017	2018	2019
Grain and leguminous crops	24459	38016	39271	60126	66088	61917	70057	75143
Winter crops	11348	19744	19899	29605	29397	28994	27268	31917
including								
wheat	9775	17683	16217	25937	25321	25399	23907	27664
rye	966	1053	463	387	390	505	393	333
barley	607	1008	3219	3281	3637	3041	2923	3879
Summer crops	13111	18272	19372	30521	36691	32923	42789	43226
of which								
wheat	422	1016	634	595	723	760	699	664
barley	6265	7967	5266	5007	5799	5244	4426	5038
oats	881	791	459	489	500	471	419	422
grain maize	3848	7167	11953	23328	28075	24669	35801	35880
millet	426	141	117	213	190	84	81	170
buckwheat	481	275	134	128	176	180	137	85
rice	90	93	148	63	65	64	69	55
legumes crops	652	758	592	502	877	1239	955	710
Factory sugar beets	13199	15468	13749	10331	14011	14882	13968	10204
Sunflowers	3457	4706	6772	11181	13627	12236	14165	15254
Rape and colza	132	285	1470	1738	1154	2195	2751	3280
Soya	64	613	1680	3931	4277	3899	4461	3699
Flax (fiber)	8	13	0	1	1	1	1	1
Potatoes	19838	19462	18705	20839	21750	22208	22504	20269
Vegetable crops	5821	7295	8122	9214	9415	9286	9440	9688
Fodder roots (of which fodder sugar beets)	6672	8015	6771	6188	6277	6148	6194	5809
Fodder corn	24183	12509	7511	6843	6968	6546	6955	6373
Annual hay grass	647	942	953	977	1017	992	940	904
Perennial hay grass	2572	2969	3238	3124	3362	3164	3206	3243
Fruit and berry crops	1453	1690	1747	2153	2007	2048	2571	2119
Grapes	514	443	408	386	378	410	468	366

AGRICULTURE, HUNTING, FORESTRY, FISHERY

18.21. Output of agricultural crops, by category of enterprises

(thsd.t)

	2000	2005	2010	2015	2016	2017	2018	2019
Enterprises								
Grain and leguminous crops	19964	28791	29779	46507	52022	47905	56096	59982
Factory sugar beets	11594	12146	12663	9554	13349	14227	13317	9658
Sunflowers	3025	3710	5586	9549	11730	10597	12194	13089
Potatoes	277	239	483	456	468	429	416	373
Vegetable crops	986	781	964	1282	1323	1344	1357	1421
Fruit and berry crops	264	200	287	412	370	334	556	351
Grapes	360	258	260	206	221	240	263	144
Agricultural holdings of households								
Grain and leguminous crops	4495	9225	9492	13619	14066	14012	13961	15161
Factory sugar beets	1605	3322	1086	777	662	655	651	546
Sunflowers	432	996	1186	1632	1897	1639	1971	2165
Potatoes	19561	19223	18222	20383	21282	21779	22088	19896
Vegetable crops	4835	6514	7158	7932	8092	7942	8083	8267
Fruit and berry crops	1189	1490	1460	1741	1637	1714	2015	1768
Grapes	154	185	148	180	157	170	205	222

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18.22. Share of the agricultural crop production by household holdings
(percentage of total volume)

	2000	2005	2010	2015	2016	2017	2018	2019
Grain and leguminous crops	18,4	24,3	24,2	22,7	21,3	22,6	19,9	20,2
Factory sugar beets	12,2	21,5	7,9	7,5	4,7	4,4	4,7	5,4
Sunflower	12,5	21,2	17,5	14,6	13,9	13,4	13,9	14,2
Potatoes	98,6	98,8	97,4	97,8	97,8	98,1	98,1	98,2
Vegetable crops	83,1	89,3	88,1	86,1	85,9	85,5	85,6	85,3
Fruit and berry crops	81,8	88,2	83,6	80,9	81,5	83,7	78,4	83,4
Grapes	30,0	41,8	36,3	46,6	41,5	41,4	43,8	60,7

18.23. Per capita agricultural crop production
(kg)

	2000	2005	2010	2015	2016	2017	2018	2019
Grain and leguminous crops	497	807	856	1403	1549	1457	1657	1788
Factory sugar beets	268	328	300	241	328	350	330	243
Sunflower	70	100	148	261	319	288	335	363
Potatoes	403	413	408	486	510	523	532	482
Vegetable crops	118	155	177	215	221	219	223	231
Fruit and berry crops	30	36	38	50	47	48	61	50
Grapes	10	9	9	9	9	10	11	9

AGRICULTURE, HUNTING, FORESTRY, FISHERY

18.24. Output of grain and leguminous crops, by region

(thsd.t)

	2000	2005	2010	2015	2016	2017	2018	2019
Ukraine	24459	38016	39271	60126	66088	61917	70057	75143
Autonomous Republic of Crimea	1064	1160	1401	...	...	...	...	...
oblasts								
Vinnnytsya	1745	2035	3111	3768	5564	4889	5911	5936
Volyn	503	677	579	1062	1110	1165	1237	1293
Dnipropetrovsk	1571	2908	2709	3866	3481	3578	3488	4285
Donetsk	1011	1912	1797	1536	1793	1908	1344	1969
Zhytomyr	721	750	1087	1460	2094	1994	2424	2738
Zakarpattya	167	296	256	332	412	390	376	392
Zaporizhzhya	1150	1806	1905	2728	2624	2907	2233	3339
Ivano-Frankivsk	253	335	346	689	773	754	805	744
Kyiv	1431	2284	2003	2820	3327	2647	4082	4216
Kirovohrad	1378	2479	2374	3314	3726	2858	3763	4346
Luhansk	442	1311	811	993	1274	1276	1159	1446
Lviv	481	627	623	1366	1429	1417	1440	1644
Mykolayiv	921	1763	2201	2896	2726	2675	2673	3138
Odesa	1581	2669	2929	3489	4403	4265	4320	3748
Poltava	1408	2851	2854	5363	5783	4242	6342	6119
Rivne	495	599	636	1102	1301	1209	1260	1493
Sumy	968	1119	1324	3735	3816	3686	4470	4432
Ternopil	741	1045	1261	2199	2449	2622	2632	2700
Kharkiv	1268	2407	1266	4210	4317	3859	3829	4416
Kherson	1166	1539	1515	2622	2262	2545	2268	2740
Khmelnyskiy	1242	1205	1743	2793	3085	3421	3861	3798
Cherkasy	1594	2217	2531	3745	4092	2927	4644	4560
Chernivtsi	326	427	488	524	507	604	586	642
Chernihiv	832	1595	1518	3514	3740	4079	4910	5009
city								
Sevastopol	3

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18.25. Output of factory sugar beets, by region

(thsd.t)

	2000	2005	2010	2015	2016	2017	2018	2019
Ukraine	13199	15468	13749	10331	14011	14882	13968	10204
Autonomous Republic of Crimea	—	—	—	...	...	...	...	...
oblasts								
Vinnnytsya	1916	2050	2457	2057	2639	2834	3150	1951
Volyn	486	711	474	420	580	621	528	412
Dnipropetrovsk	270	359	33	31	54	55	54	35
Donetsk	37	47	17	10	12	c	c	c
Zhytomyr	388	595	304	607	607	730	708	601
Zakarpattya	—	—	—	—	—	—	—	—
Zaporizhzhya	27	26	3	—	—	—	—	—
Ivano-Frankivsk	202	151	80	33	64	73	66	50
Kyiv	1216	1562	1094	882	1124	1049	1396	838
Kirovohrad	642	699	513	483	658	586	389	484
Luhansk	78	18	0	—	—	0	0	0
Lviv	401	437	529	583	678	809	672	619
Mykolayiv	130	146	19	85	210	96	—	—
Odesa	214	116	8	—	—	—	—	—
Poltava	975	1543	1802	1396	2090	1446	1473	1107
Rivne	431	582	1010	454	544	643	724	560
Sumy	773	644	336	75	79	252	140	c
Ternopil	1202	1476	1555	727	994	1737	1703	1177
Kharkiv	1117	1103	462	539	1207	850	577	250
Kherson	25	33	—	—	c	c	—	—
Khmelnyskiy	1146	1041	1606	1141	1586	1983	1424	1395
Cherkasy	860	1253	977	491	544	674	704	399
Chernivtsi	322	181	104	6	c	c	c	c
Chernihiv	341	695	366	311	290	269	250	217
city								
Sevastopol	—

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18.26. Output of sunflower, by region

(thsd.t)

	2000	2005	2010	2015	2016	2017	2018	2019
Ukraine	3457	4706	6772	11181	13627	12236	14165	15254
Autonomous Republic of Crimea	38	26	36	...	...	...	...	...
oblasts								
Vinnnytsya	67	87	275	504	820	726	808	846
Volyn	0	0	0	5	16	39	70	94
Dnipropetrovsk	452	613	856	1199	1264	1203	1283	1449
Donetsk	462	473	592	528	620	555	531	686
Zhytomyr	0	6	27	141	232	248	299	325
Zakarpattya	1	2	2	5	7	7	5	8
Zaporizhzhya	444	735	758	962	985	866	720	1020
Ivano-Frankivsk	1	1	5	27	53	77	58	61
Kyiv	25	47	122	292	453	397	570	508
Kirovohrad	305	525	713	1170	1294	1092	1459	1540
Luhansk	238	312	383	485	670	566	721	861
Lviv	—	0	0	28	68	74	80	73
Mykolayiv	251	427	586	939	1162	876	1087	1063
Odesa	311	340	328	755	1004	904	886	693
Poltava	201	288	466	848	824	731	944	979
Rivne	0	0	3	10	37	67	58	78
Sumy	40	27	129	471	488	516	621	777
Ternopil	1	1	13	75	149	234	191	216
Kharkiv	342	301	703	1172	1352	1103	1468	1481
Kherson	155	289	361	486	613	499	553	641
Khmelnyskiy	3	3	42	106	347	439	484	513
Cherkasy	107	181	303	542	576	505	641	674
Chernivtsi	6	10	8	21	56	44	52	34
Chernihiv	7	12	61	410	537	468	576	634
city								
Sevastopol	0

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18.27. Output of potatoes, by region

(thsd.t)

	2000	2005	2010	2015	2016	2017	2018	2019
Ukraine	19838	19462	18705	20839	21750	22208	22504	20269
Autonomous Republic of Crimea	250	159	363	...	...	...	...	...
oblasts								
Vinnnytsya	1418	1523	1580	1837	1848	1885	1908	1827
Volyn	1194	975	986	1099	1132	1139	1164	1174
Dnipropetrovsk	683	584	434	560	602	568	524	434
Donetsk	763	720	474	398	409	447	344	358
Zhytomyr	1065	1111	1166	1177	1317	1648	1879	1599
Zakarpattya	478	544	501	546	534	531	530	495
Zaporizhzhya	291	329	269	258	264	226	190	219
Ivano-Frankivsk	845	755	766	942	975	1000	1010	1008
Kyiv	1351	1121	1496	1434	1703	1701	1830	1506
Kirovohrad	317	532	416	525	603	560	576	503
Luhansk	359	670	340	208	253	299	232	209
Lviv	1510	1297	1259	1622	1619	1694	1698	1573
Mykolayiv	73	213	171	196	268	183	171	177
Odesa	316	406	541	495	541	393	305	381
Poltava	694	950	819	1138	1065	997	1096	996
Rivne	876	912	1066	1228	1249	1311	1311	1285
Sumy	928	917	980	1068	1066	1107	1000	951
Ternopil	1043	682	831	928	987	991	1036	960
Kharkiv	1183	1270	475	1029	1078	1078	1079	843
Kherson	295	207	250	287	280	271	296	259
Khmelnytskyi	1077	978	1084	1065	1321	1385	1387	1096
Cherkasy	940	929	760	778	839	732	916	632
Chernivtsi	418	420	496	586	595	615	614	579
Chernihiv	1471	1258	1178	1435	1202	1447	1408	1205
city								
Sevastopol	...	...	4	...	...	...	...	...

AGRICULTURE, HUNTING, FORESTRY, FISHERY

18.28. Output of vegetable crops, by region

(thsd.t)

	2000	2005	2010	2015	2016	2017	2018	2019
Ukraine	5821	7295	8122	9214	9415	9286	9440	9688
Autonomous Republic of Crimea	186	128	395	...	...	...	...	...
oblasts								
Vinnnytsya	196	293	311	461	478	483	461	456
Volyn	111	215	249	276	289	303	280	282
Dnipropetrovsk	433	494	560	728	733	703	749	727
Donetsk	444	475	415	208	214	233	236	270
Zhytomyr	194	203	209	272	297	327	340	394
Zakarpattya	123	218	246	267	267	271	284	271
Zaporizhzhya	231	298	282	436	391	352	274	274
Ivano-Frankivsk	134	127	122	170	172	174	178	181
Kyiv	295	402	455	511	631	581	604	566
Kirovohrad	213	269	218	235	234	243	258	261
Luhansk	249	278	257	163	168	187	164	178
Lviv	269	380	412	484	506	511	513	709
Mykolayiv	174	267	354	483	501	555	516	478
Odesa	301	526	474	437	349	288	271	289
Poltava	199	350	406	517	522	402	524	546
Rivne	134	171	216	214	236	268	265	269
Sumy	138	140	154	189	200	184	201	203
Ternopil	140	145	194	255	259	274	265	283
Kharkiv	416	523	464	690	693	688	694	676
Kherson	421	526	841	1252	1278	1269	1317	1320
Khmelnyskiy	155	225	209	187	228	269	263	249
Cherkasy	344	296	281	365	354	313	355	359
Chernivtsi	146	184	219	222	228	234	238	248
Chernihiv	175	162	175	192	187	174	190	199
city								
Sevastopol	...	...	4	...	...	...	...	...

AGRICULTURE, HUNTING, FORESTRY, FISHERY

18.29. Output of fruit and berry crops, by region

(thsd.t)

	2000	2005	2010	2015	2016	2017	2018	2019
Ukraine	1453	1690	1747	2153	2007	2048	2571	2119
Autonomous Republic of Crimea	133	59	102	...	...	...	...	...
oblasts								
Vinnnytsya	73	185	189	292	270	234	332	235
Volyn	39	28	34	38	37	37	43	40
Dnipropetrovsk	196	166	131	145	149	141	185	154
Donetsk	158	228	102	105	88	107	106	85
Zhytomyr	24	35	31	51	42	40	57	47
Zakarpattya	104	66	97	138	128	119	179	133
Zaporizhzhya	58	81	59	67	62	62	85	52
Ivano-Frankivsk	25	32	39	47	49	51	61	53
Kyiv	22	25	52	72	69	61	77	62
Kirovohrad	24	22	27	28	28	32	38	30
Luhansk	53	38	17	34	26	34	75	57
Lviv	90	74	90	107	108	114	137	123
Mykolayiv	24	37	38	36	31	29	43	28
Odesa	66	114	74	85	85	90	109	107
Poltava	22	40	101	106	77	112	126	121
Rivne	35	52	86	99	78	81	87	90
Sumy	5	9	14	17	16	17	21	18
Ternopil	11	21	18	71	74	64	88	81
Kharkiv	34	71	65	88	78	82	81	59
Kherson	65	59	59	65	57	66	74	57
Khmelnyskiy	78	149	158	205	200	226	237	205
Cherkasy	36	24	37	57	50	37	62	47
Chernivtsi	53	63	97	179	190	193	246	221
Chernihiv	25	12	16	21	15	19	22	14
city								
Sevastopol	...	...	14	...	...	...	...	...

AGRICULTURE, HUNTING, FORESTRY, FISHERY

18.30. Output of grapes, by region

(thsd.t)

	2000	2005	2010	2015	2016	2017	2018	2019
Ukraine	513,8	442,6	407,9	386,3	377,8	409,6	467,6	366,3
Autonomous Republic of Crimea	179,4	116,3	90,5	...	...	...	...	...
oblasts								
Vinnnytsya	0,7	2,1	2,6	4,3	3,7	4,2	4,3	3,6
Volyn	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3
Dnipropetrovsk	5,3	6,6	6,7	5,2	5,1	5,4	6,0	7,3
Donetsk	16,1	11,5	6,6	3,0	2,2	5,5	6,0	6,3
Zhytomyr	0,1	0,1	0,1	0,1	0,1	0,1	0,1	0,1
Zakarpattya	41,9	27,2	20,3	27,2	24,8	25,3	26,6	26,7
Zaporizhzhya	3,1	4,7	5,9	5,0	5,4	7,3	7,3	7,7
Ivano-Frankivsk	0,7	0,7	0,7	0,8	0,8	0,8	0,8	0,8
Kyiv	0,1	0,2	0,6	1,9	2,2	2,4	2,8	2,9
Kirovohrad	1,5	0,6	1,6	2,4	2,6	2,8	3,3	3,3
Luhansk	1,4	1,1	0,9	1,3	1,1	2,0	2,7	2,9
Lviv	1,4	1,2	1,2	1,4	1,4	1,4	1,4	1,4
Mykolayiv	30,2	37,4	38,9	50,8	56,4	51,3	62,1	30,6
Odesa	201,4	193,3	175,1	238,7	231,2	253,6	296,7	241,7
Poltava	0,4	0,6	1,8	1,9	1,9	1,9	2,4	2,7
Rivne	0,1	0,2	0,2	0,2	0,2	0,2	0,2	0,3
Sumy	0,2	0,3	0,2	0,2	0,2	0,2	0,2	0,2
Ternopil	0,0	0,1	0,1	0,2	0,2	0,2	0,2	0,2
Kharkiv	1,1	0,4	0,6	0,6	0,7	0,6	0,7	0,7
Kherson	26,3	36,1	29,3	36,9	34,0	40,8	39,0	22,4
Khmelnyskiy	0,3	0,3	0,5	0,6	0,6	0,7	0,7	0,7
Cherkasy	0,5	0,5	0,8	1,8	1,3	1,0	2,2	2,0
Chernivtsi	1,0	0,7	0,9	1,1	1,1	1,2	1,2	1,2
Chernihiv	0,3	0,1	0,1	0,4	0,3	0,4	0,4	0,3
city								
Sevastopol	...	...	21,4	...	...	...	...	...

AGRICULTURE, HUNTING, FORESTRY, FISHERY

18.31. Yields of agricultural crops in 1940–2019

(1 ha; centner)

	Grain and leguminous crops	Factory sugar beets	Sunflowers	Potatoes	Vegetable crops	Fruit and berry crops	Grapes
1940	12,4	159	13,1	101	113	22,8	21,8
1950	10,2	168	8,1	107	62	21,2	13,1
1955	15,5	199	14,8	79	103	26,1	27,1
1960	15,5	199	10,6	89	103	22,1	34,3
1965	18,8	221	14,3	86	112	31,2	35,9
1970	22,8	252	14,8	99	120	25,9	37,6
1975	19,8	203	13,6	88	116	29,5	59,1
1980	22,5	213	13,0	79	146	28,7	51,0
1985	24,2	234	14,6	133	148	47,2	32,1
1990	35,1	276	15,8	117	149	42,7	58,3
1995	24,3	205	14,2	96	120	29,8	33,2
2000	19,4	177	12,2	122	112	38,4	51,7
2005	26,0	248	12,8	128	157	63,7	54,9
2010	26,9	279	15,0	132	174	78,2	60,3
2015	41,1	436	21,6	161	206	104,5	92,3
2016	46,1	482	22,4	166	211	101,9	88,4
2017	42,5	475	20,2	168	208	103,1	99,3
2018	47,4	509	23,0	171	214	128,4	114,9
2019	49,1	461	25,6	155	214	108,1	92,7

AGRICULTURE, HUNTING, FORESTRY, FISHERY

18.32. Yields of agricultural crops

(1 ha; centner)

	2000	2005	2010	2015	2016	2017	2018	2019
Grain and leguminous crops	19,4	26,0	26,9	41,1	46,1	42,5	47,4	49,1
Winter crops	19,4	27,5	25,9	37,6	41,0	41,1	36,6	40,8
Including								
Wheat	20,0	29,0	27,1	38,9	42,2	41,2	37,3	41,6
Rye	15,2	17,3	16,6	25,9	27,3	29,7	26,6	28,9
Barley	18,9	21,2	22,4	31,2	36,2	34,4	33,5	36,7
Summer crops	19,5	24,6	28,2	45,1	51,1	46,3	58,2	57,9
of which								
Wheat	15,4	21,8	21,0	35,1	38,7	37,9	35,8	39,7
Barley	18,6	20,6	18,3	28,5	31,3	32,4	27,5	32,4
Oats	18,3	17,6	14,8	23,2	24,0	23,9	21,4	23,2
grain maize	30,1	43,2	45,1	57,1	66,0	55,1	78,4	71,9
Millet	11,6	11,7	13,7	18,9	17,6	15,0	14,6	18,1
buckwheat	9,1	6,9	6,7	10,0	11,5	9,7	12,1	12,3
rice	35,6	43,4	50,5	53,4	53,9	50,5	54,9	52,2
legumes crops	17,0	18,9	15,1	20,4	27,3	24,6	17,2	20,4
Factory sugar beets	177	248	279	436	482	475	509	461
Sunflowers	12,2	12,8	15,0	21,6	22,4	20,2	23,0	25,6
Rape and colza	8,4	14,6	17,0	25,9	25,7	27,9	26,5	25,6
Soya	10,6	14,5	16,2	18,4	23,0	19,7	25,8	22,9
Flax (fiber)	4,2	5,4	4,0	8,9	9,0	9,5	6,7	6,8
Potatoes	122	128	132	161	166	168	171	155
Vegetable crops	112	157	174	206	211	208	214	214
Fodder roots (including fodder sugar beets)	238	273	276	289	301	298	305	302
Fodder corn	131	163	160	222	245	227	269	259
Annual hay grass	22,4	27,5	32,0	36,6	38,8	39,2	40,1	41,4
Perennial hay grass	20,6	29,7	35,8	38,1	41,7	40,9	42,3	42,5
Fruit and berry crops	38,4	63,7	78,2	104,5	101,9	103,1	128,4	108,1
Grapes	51,7	54,9	60,3	92,3	88,4	99,3	114,9	92,7

AGRICULTURE, HUNTING, FORESTRY, FISHERY

18.33. Yields of grain and leguminous crops in 2019, by region

(1 ha; centner)

	Grain and leguminous crops	Including					
		wheat	rye	barley	oats	corn grain	millet
Ukraine	49,1	41,6	28,9	34,2	23,2	71,9	18,1
Autonomous Republic of Crimea	...	...	...	...	...	...	...
oblasts							
Vinnnytsya	67,9	55,2	30,4	44,8	28,9	86,7	30,7
Volyn	43,4	43,9	26,6	34,0	21,8	93,3	19,0
Dnipropetrovsk	38,1	37,0	29,6	29,4	19,7	48,5	14,5
Donetsk	33,9	37,2	24,0	28,0	25,7	36,3	15,5
Zhytomyr	58,9	48,2	30,4	34,8	23,9	84,1	16,1
Zakarpattya	47,1	34,0	28,5	27,2	23,9	57,8	—
Zaporizhzhya	34,3	35,9	19,3	30,3	16,3	54,9	15,5
Ivano-Frankivsk	50,1	45,2	33,4	42,5	26,6	68,8	—
Kyiv	66,0	51,7	33,9	43,5	30,2	82,9	29,1
Kirovohrad	50,4	43,8	30,9	33,9	26,5	62,9	19,6
Luhansk	35,5	36,2	28,8	23,8	15,0	45,1	16,8
Lviv	51,5	47,8	30,9	46,1	25,7	80,9	c
Mykolayiv	35,3	36,3	22,9	32,0	20,3	44,2	14,4
Odesa	31,0	30,5	33,4	29,0	11,5	43,4	11,7
Poltava	60,2	48,0	27,8	34,7	25,8	69,8	23,2
Rivne	51,2	44,1	27,3	38,1	24,2	80,3	16,1
Sumy	65,1	48,3	38,0	39,1	27,4	79,8	24,4
Ternopil	57,3	51,1	40,7	46,3	28,8	91,9	17,5
Kharkiv	42,2	42,1	25,9	32,5	21,7	53,8	21,2
Kherson	36,2	34,0	20,1	32,6	18,2	83,3	19,6
Khmelnytskyi	65,9	57,4	42,3	42,8	29,8	94,1	32,6
Cherkasy	66,7	54,4	30,2	42,4	30,7	77,3	28,2
Chernivtsi	49,7	41,9	24,5	34,8	23,0	63,4	c
Chernihiv	65,3	46,3	27,7	40,2	17,7	79,5	16,4
city							
Sevastopol	...	...	...	...	...	...	...

AGRICULTURE, HUNTING, FORESTRY, FISHERY

18.34. Yields of agricultural crops in 2019, by region

(1 ha; centner)

	Factory sugar beets	Sunflowers	Potatoes	Vegetable crops	Fruit and berry crops
Ukraine	461	25,6	155	214	108,1
Autonomous Republic of Crimea	...	...	...	...	...
oblasts					
Vinnycya	434	34,4	166	215	103,2
Volyn	446	30,1	152	218	95,0
Dnipropetrovsk	630	24,4	84	193	111,1
Donetsk	c	21,8	103	181	131,6
Zhytomyr	420	27,5	175	232	111,3
Zakarpattya	—	21,4	154	215	100,2
Zaporizhzhya	—	19,1	114	197	72,1
Ivano-Frankivsk	573	25,5	169	178	66,8
Kyiv	443	31,9	167	201	75,8
Kirovohrad	483	26,9	120	146	68,5
Luhansk	367	22,9	188	283	124,0
Lviv	564	28,6	167	194	87,7
Mykolayiv	—	21,3	94	263	60,6
Odesa	—	19,0	130	170	141,2
Poltava	426	30,3	184	223	219,0
Rivne	479	28,1	181	213	133,3
Sumy	c	32,8	163	187	56,8
Ternopil	497	36,0	169	239	137,8
Kharkiv	436	28,0	142	213	102,2
Kherson	—	18,2	116	322	69,1
Khmelnyskiy	513	36,6	166	231	152,2
Cherkasy	430	33,4	127	178	92,5
Chernivtsi	c	27,3	169	192	140,5
Chernihiv	420	29,9	161	171	44,9
city					
Sevastopol	...	...	...	...	...

AGRICULTURE, HUNTING, FORESTRY, FISHERY

18.35. Use of fertilisers in enterprises¹

	2000	2005	2010	2015	2016	2017	2018	2019
Mineral fertilisers (in nutrients)								
Applied for the harvest of the reference year, total, thsd.t	281,9	560,5	1064,2	1415,0	1728,9	2028,1	2150,6	2142,5
Applied for seeds of agricultural crops, total, thsd.t	278,7	557,9	1060,6	1412,0	1724,4	2023,8	2147,4	2138,5
Fertilized area, mln.ha	4,6	7,8	12,6	14,5	15,6	16,5	16,1	16,4
Share of fertilized area, percent	22	45	70	81	87	89	91	91
Applied per 1 ha, kg								
area under crops	13	32	58	79	96	110	121	119
fertilized area	60	72	84	98	110	123	134	131
Organic fertilizers								
Applied for the harvest of the reference year, total, thsd.t	28964,1	13387,3	9963,6	9662,7	9162,9	9273,9	10674,7	10429,8
Applied for seeds of agricultural crops, total, thsd.t	28410,1	13245,8	9874,1	9636,3	9132,5	9250,3	10643,6	10405,7
Fertilized area, mln.ha	0,7	0,5	0,4	0,4	0,5	0,5	0,8	0,8
Share of fertilized area, percent	3	3	2	3	3	3	4	4
Applied per 1 ha, t								
area under crops	1,3	0,8	0,5	0,5	0,5	0,5	0,6	0,6
fertilized area	39,8	28,5	24,4	21,8	19,2	18,3	13,7	13,4

¹ According to a range of enterprises defined by statistical methodology

AGRICULTURE, HUNTING, FORESTRY, FISHERY

CATTLE RAISING

18.36. Number of livestock animals in 1915–2019

(end of year; thsd. heads)

	Cattle		Pigs	Sheep and goats		Horses	Poultry, mln. heads
	total	of which cows		total	of which sheep		
1915	9132	4116	6469	6904	6849	6454	...
1940	10996	5965	9186	7325	6700	4674	...
1950	11182	4812	7766	6740	5465	2245	...
1955	12424	6209	11736	9261	8052	2199	95,8
1960	17632	7814	18194	10631	10062	1840	129,6
1965	21324	8481	18920	9342	8646	1537	120,5
1970	21352	8563	20746	8971	8614	1322	155,2
1975	24180	8978	16847	9115	8863	1057	168,3
1980	25368	9271	19783	9051	8815	837	233,6
1985	26638	8851	20088	9222	8879	827	252,6
1990	24623	8378	19427	8419	7896	738	246,1
1995	17557	7531	13144	4099	3209	756	149,8
2000	9424	4958	7652	1875	963	701	123,7
2005	6514	3635	7053	1630	872	555	162,0
2010	4494	2631	7960	1732	1101	414	203,8
2015	3750	2167	7079	1325	744	306	204,0
2016	3682	2109	6669	1315	719	292	201,7
2017	3531	2018	6110	1309	727	265	204,8
2018	3333	1919	6025	1269	699	244	211,7
2019	3092	1789	5727	1205	659	224	220,5

AGRICULTURE, HUNTING, FORESTRY, FISHERY

18.37. Number of livestock animals, by category of enterprises

(end of year; thsd. heads)

	2000	2005	2010	2015	2016	2017	2018	2019
All categories								
Cattle	9424	6514	4494	3750	3682	3531	3333	3092
of which cows	4958	3635	2631	2167	2109	2018	1919	1789
Pigs	7652	7053	7960	7079	6669	6110	6025	5727
Sheep and goats	1875	1630	1732	1325	1315	1309	1269	1205
of which sheep	963	872	1101	744	719	727	699	659
Poultry, mln. heads	123,7	162,0	203,8	204,0	201,7	204,8	211,7	220,5
Enterprises								
Cattle	5037	2492	1526	1270	1214	1167	1138	1050
of which cows	1851	866	589	505	485	467	468	439
Pigs	2414	2602	3625	3704	3566	3304	3395	3300
Sheep and goats	413	271	299	187	187	187	182	169
of which sheep	412	269	295	181	179	178	173	159
Poultry, mln. heads	25,3	66,6	110,5	112,0	109,8	112,5	118,8	127,8
Agricultural holdings of households								
Cattle	4387	4022	2968	2480	2468	2364	2195	2042
of which cows	3107	2769	2042	1662	1624	1551	1451	1350
Pigs	5238	4451	4335	3375	3103	2806	2630	2427
Sheep and goats	1462	1359	1433	1138	1128	1122	1087	1036
of which sheep	551	603	806	563	540	549	526	500
Poultry, mln. heads	98,4	95,4	93,3	92,0	91,9	92,3	92,9	92,7

AGRICULTURE, HUNTING, FORESTRY, FISHERY

18.38. Number of livestock animals in 2019, by region

(end of year; thsd. heads)

	Cattle		Pigs	Sheep and goats	Poultry, mln. heads
	total	of which cows			
Ukraine	3092	1789	5727	1205	220,5
Autonomous Republic of Crimea	...	...	...	...	...
oblasts					
Vinnnytsya	221	126	246	30	37,5
Volyn	122	80	270	16	7,8
Dnipropetrovsk	115	65	342	55	17,8
Donetsk	55	29	455	36	6,1
Zhytomyr	179	102	126	23	7,4
Zakarpattya	123	88	249	151	3,6
Zaporizhzhya	78	44	188	68	4,9
Ivano-Frankivsk	128	79	304	28	4,9
Kyiv	108	56	520	32	31,4
Kirovohrad	82	47	213	34	5,5
Luhansk	45	21	46	23	0,9
Lviv	157	94	332	31	9,9
Mykolayiv	87	54	77	47	2,5
Odesa	146	90	150	293	2,6
Poltava	210	115	274	47	5,4
Rivne	106	74	236	15	7,3
Sumy	137	72	112	38	5,3
Ternopil	139	87	299	15	5,2
Kharkiv	165	79	201	70	8,2
Kherson	81	52	98	30	5,7
Khmelnyskiy	221	127	312	27	8,1
Cherkasy	153	69	335	26	25,3
Chernivtsi	77	49	147	43	3,7
Chernihiv	157	90	195	27	3,5
city					
Sevastopol	...	...	...	...	...

AGRICULTURE, HUNTING, FORESTRY, FISHERY

18.39. Output of animal products in 1940–2019

	Meat (slaughter weight), thsd.t	Milk, thsd.t	Eggs, mln.pcs	Wool, t
1940	1127	7114	3273	13454
1950	1195	6804	3490	11884
1955	1351	9670	4292	17980
1960	2068	13995	7187	27583
1965	2221	16629	6941	22063
1970	2850	18712	9202	24837
1975	3516	21287	12429	28773
1980	3500	21112	14606	27243
1985	3918	23039	16645	28701
1990	4358	24508	16287	29804
1995	2294	17274	9404	13926
2000	1663	12658	8809	3400
2005	1597	13714	13046	3195
2010	2059	11249	17052	4192
2015	2323	10615	16783	2270
2016	2324	10382	15100	2072
2017	2318	10281	15506	1967
2018	2355	10064	16132	1908
2019	2492	9663	16678	1734

AGRICULTURE, HUNTING, FORESTRY, FISHERY

18.40. Output of animal products, by category of enterprises

	2000	2005	2010	2015	2016	2017	2018	2019
All categories								
Meat (slaughter weight), thsd.t	1663	1597	2059	2323	2324	2318	2355	2492
of which								
beef and veal	754	562	428	384	376	363	359	370
pork	676	494	631	760	748	736	703	708
poultry	193	497	954	1144	1167	1185	1259	1382
Milk, thsd.t	12658	13714	11249	10615	10382	10281	10064	9663
Eggs, mln.pcs	8809	13046	17052	16783	15100	15506	16132	16678
Wool, t	3400	3195	4192	2270	2072	1967	1908	1734
Enterprises								
Meat (slaughter weight), thsd.t	438	588	1134	1464	1490	1483	1534	1698
of which								
beef and veal	305	154	105	94	99	95	88	102
pork	91	111	256	400	397	373	360	385
poultry	36	320	772	968	993	1014	1085	1210
Milk, thsd.t	3669	2582	2217	2669	2706	2766	2755	2728
Eggs, mln.pcs	2977	6458	10249	9762	8067	8365	8900	9358
Wool, t	1311	692	710	314	266	255	236	200
Agricultural holdings of households								
Meat (slaughter weight), thsd.t	1225	1009	925	859	834	835	821	794
of which								
beef and veal	449	408	323	290	277	268	271	268
pork	585	383	375	360	351	363	343	323
poultry	157	177	182	176	174	171	174	172
Milk, thsd.t	8989	11132	9032	7946	7676	7515	7309	6935
Eggs, mln.pcs	5832	6588	6803	7021	7033	7141	7232	7320
Wool, t	2089	2503	3482	1956	1806	1712	1672	1534

18.41. Share of animal products production by household holdings
(percentage of total volume)

	2000	2005	2010	2015	2016	2017	2018	2019
Meat (slaughter weight)	73,7	63,2	44,9	37,0	35,9	36,0	34,9	31,9
Milk	71,0	81,2	80,3	74,9	73,9	73,1	72,6	71,8
Eggs	66,2	50,5	39,9	41,8	46,6	46,1	44,8	43,9
Wool	61,4	78,3	83,1	86,2	87,2	87,0	87,6	88,5

18.42. Per capita animal products production
(kg)

	2000	2005	2010	2015	2016	2017	2018	2019
Meat (slaughter weight)	34	34	45	54	55	55	56	59
Milk	257	291	245	248	243	242	238	230
Eggs, pcs	179	277	372	392	354	365	382	397
Wool	0,1	0,1	0,1	0,1	0,1	0,1	0,0	0,0

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18.43. Output of meat, by region

(slaughter weight; thsd.t)

	2000	2005	2010	2015	2016	2017	2018	2019
Ukraine	1663	1597	2059	2323	2324	2318	2355	2492
Autonomous Republic of Crimea	69	115	144	...	...	...	...	...
oblasts								
Vinnnytsya	93	49	62	309	324	320	351	459
Volyn	43	59	94	121	122	113	114	115
Dnipropetrovsk	85	118	207	230	240	258	247	254
Donetsk	86	89	103	90	86	86	85	84
Zhytomyr	64	45	48	53	53	53	55	57
Zakarpattya	45	44	50	53	51	55	57	58
Zaporzhizhya	74	52	57	61	57	52	49	46
Ivano-Frankivsk	52	56	64	86	80	80	85	91
Kyiv	116	165	193	216	199	233	228	217
Kirovohrad	53	45	46	53	52	51	51	50
Luhansk	51	48	45	22	21	11	7	9
Lviv	69	82	115	120	123	127	131	130
Mykolayiv	49	28	29	33	31	30	34	31
Odesa	89	51	46	49	46	45	42	39
Poltava	67	40	50	76	80	74	69	71
Rivne	60	46	50	54	55	56	58	56
Sumy	68	56	40	44	46	44	45	47
Ternopil	48	40	37	55	53	54	57	58
Kharkiv	84	95	83	94	95	86	81	88
Kherson	56	40	42	49	42	40	41	40
Khmelnyskiy	74	48	48	65	66	65	67	68
Cherkasy	74	102	326	314	324	312	330	349
Chernivtsi	29	31	39	41	42	40	40	41
Chernihiv	65	53	40	35	36	33	31	34
city								
Sevastopol	...	...	1	...	...	...	...	...

AGRICULTURE, HUNTING, FORESTRY, FISHERY

18.44. Output of milk, by region

(thsd.t)

	2000	2005	2010	2015	2016	2017	2018	2019
Ukraine	12658	13714	11249	10615	10382	10281	10064	9663
Autonomous Republic of Crimea	403	347	348	...	...	...	...	...
oblasts								
Vinnnytsya	655	849	836	838	854	851	825	763
Volyn	458	551	450	425	412	412	391	369
Dnipropetrovsk	522	494	340	345	319	301	294	285
Donetsk	473	514	339	228	193	190	186	174
Zhytomyr	656	732	578	578	567	548	553	518
Zakarpattya	360	396	392	358	320	325	346	350
Zaporizhzhya	354	384	262	261	259	261	244	220
Ivano-Frankivsk	523	576	466	474	467	464	441	429
Kyiv	679	693	451	446	438	436	433	396
Kirovohrad	385	395	343	311	308	306	308	300
Luhansk	318	409	284	159	124	125	127	114
Lviv	1032	930	656	571	543	528	507	481
Mykolayiv	347	432	364	344	342	342	325	299
Odesa	532	606	404	385	363	349	335	321
Poltava	589	754	701	794	796	792	762	759
Rivne	436	502	433	437	437	433	397	358
Sumy	480	498	431	418	415	416	411	396
Ternopil	506	485	417	461	453	451	450	455
Kharkiv	540	567	467	524	530	522	527	519
Kherson	320	357	306	300	296	293	284	283
Khmelnyskiy	657	722	608	581	590	597	624	636
Cherkasy	499	519	479	530	519	508	484	467
Chernivtsi	333	368	308	294	287	282	273	260
Chernihiv	601	634	581	553	550	549	537	511
city								
Sevastopol	...	...	5	...	...	...	...	...

AGRICULTURE, HUNTING, FORESTRY, FISHERY

18.45. Output of eggs, by region

(mln.pcs)

	2000	2005	2010	2015	2016	2017	2018	2019
Ukraine	8809	13046	17052	16783	15100	15506	16132	16678
Autonomous Republic of Crimea	447	582	799	...	...	...	...	...
oblasts								
Vinnnytsya	349	570	798	857	880	946	918	934
Volyn	159	219	182	194	202	202	203	205
Dnipropetrovsk	437	881	998	924	803	845	842	846
Donetsk	854	1389	1868	629	544	588	696	890
Zhytomyr	271	441	489	590	662	688	696	694
Zakarpattya	230	299	317	340	349	359	391	411
Zaporizhzhya	345	557	740	721	702	682	667	679
Ivano-Frankivsk	236	347	731	593	415	353	423	487
Kyiv	787	1463	2007	2743	2840	2833	3244	3310
Kirovohrad	179	283	499	506	456	440	463	583
Luhansk	380	609	844	125	98	88	72	73
Lviv	466	548	577	537	546	556	561	581
Mykolayiv	164	314	573	284	272	253	240	275
Odesa	657	684	584	355	322	306	252	205
Poltava	405	538	620	668	726	746	810	829
Rivne	194	328	434	565	580	616	624	642
Sumy	285	371	268	415	401	383	391	411
Ternopil	234	290	370	490	539	483	534	588
Kharkiv	479	752	1101	700	512	555	604	707
Kherson	190	250	437	1578	1029	1025	1127	870
Khmelnyskiy	160	193	392	1641	1026	1308	1090	1027
Cherkasy	379	535	747	669	565	642	660	793
Chernivtsi	183	244	408	364	333	320	336	348
Chernihiv	339	359	257	295	298	289	288	290
city								
Sevastopol	...	...	12	...	...	...	...	...

AGRICULTURE, HUNTING, FORESTRY, FISHERY

18.46. Productivity of livestock animals

	2000	2005	2010	2015	2016	2017	2018	2019
Average annual milk yield per cow, kg								
All categories	2359	3487	4082	4644	4735	4820	4922	4976
Enterprises	1588	2952	3975	5352	5643	6025	6190	6101
Agricultural holdings of households	2960	3643	4110	4437	4473	4480	4559	4630
Average annual wool yield per sheep, kg								
All categories	3,0	3,5	3,4	2,9	2,8	2,8	2,7	2,6
Enterprises	2,4	2,6	2,3	1,7	1,6	1,6	1,5	1,5
Agricultural holdings of households	3,8	3,8	3,8	3,3	3,2	3,2	3,0	2,9

18.47. Average weight of one livestock animal sold to processing enterprises

(kg)

	2000	2005	2010	2015	2016	2017	2018	2019
All categories								
Cattle	320	381	427	448	447	452	464	470
Pigs	101	112	109	112	111	109	111	113
Sheep and goats	40	44	47	50	46	50	52	51
Enterprises								
Cattle	311	375	409	439	435	443	456	470
Pigs	91	110	108	112	111	109	111	113
Sheep and goats	35	42	47	50	46	49	49	c
Agricultural holdings of households								
Cattle	328	386	452	502	511	491	497	469
Pigs	116	138	132	119	100	151	140	154
Sheep and goats	42	44	48	54	54	61	69	c

AGRICULTURE, HUNTING, FORESTRY, FISHERY

18.48. Average annual yield of milk per cow, by region

	2000	2005	2010	2015	2016	2017	2018	2019
	<i>(kg)</i>							
Ukraine	2359	3487	4082	4644	4735	4820	4922	4976
Autonomous Republic of Crimea	2503	3415	3639	...	...	...	...	...
oblasts								
Vinnnytsya	2316	3658	4570	5137	5290	5344	5472	5585
Volyn	2147	3239	3673	4082	4190	4246	4446	4503
Dnipropetrovsk	2231	3710	4018	4387	4240	4123	3975	4075
Donetsk	2399	4213	4438	4426	5011	5492	5406	5307
Zhytomyr	2121	3358	4024	4877	5067	4977	5087	4620
Zakarpattya	2554	2829	3582	3634	3387	3619	3854	3872
Zaporizhzhya	2116	4100	4041	4266	4269	4285	4269	4283
Ivano-Frankivsk	2475	3262	3647	4354	4609	4630	4798	4902
Kyiv	2597	4262	5248	6048	6223	6628	6881	6594
Kirovohrad	2553	3837	4630	4984	5160	5272	5491	5716
Luhansk	2134	3724	4296	4197	4134	4422	4772	4510
Lviv	3132	3590	3861	4180	4172	4348	4514	4654
Mykolayiv	2037	3482	3839	4110	4208	4321	4275	4859
Odesa	2263	3178	3697	3502	3464	3447	3388	3331
Poltava	2352	3963	4826	6016	5930	6113	6120	6133
Rivne	2131	3107	3682	4206	4486	4523	4178	4304
Sumy	2271	3084	4142	4940	4986	5054	5083	5099
Ternopil	2508	3107	3563	4561	4716	4705	5119	5171
Kharkiv	2137	3537	4560	5483	5608	5572	5800	5792
Kherson	2122	3301	3790	4163	4197	4256	4218	4525
Khmelnyskiy	2383	3329	3816	4175	4340	4389	4658	4841
Cherkasy	2389	3732	4682	5724	5780	6012	6111	6276
Chernivtsi	2620	3645	4084	4764	4888	4876	4926	4890
Chernihiv	2177	3159	4075	4735	4791	4970	5223	5268
city								
Sevastopol	...	...	3670	...	...	...	...	...

AGRICULTURE, HUNTING, FORESTRY, FISHERY

18.49. Animal products supplied for processing enterprises

(thsd.t)

	2000	2005	2010	2015	2016	2017	2018	2019
Livestock animals (live weight)								
Supply, total¹	451,9	489,0	1442,9	1689,9	1621,0	1717,6	1752,3	1891,5
including purchased from								
enterprises	213,4	288,7	406,6	376,5	331,4	316,6	302,7	300,0
agricultural holdings of households	238,5	200,3	106,1	18,7	22,3	25,2	24,8	21,3
out of the total by type of agricultural animals								
cattle	341,9	334,9	224,7	123,8	141,2	129,2	124,4	120,6
pigs	74,5	107,7	230,4	325,3	342,9	329,4	308,5	317,3
poultry	16,7	38,3	947,8	1203,3	1136,1	1257,4	1317,8	1451,7
Milk								
Supply, total¹	3334,8	5689,0	4793,2	4251,2	4182,7	4348,3	4179,2	3800,0
including purchased from								
enterprises	1819,6	1874,7	2193,0	2743,7	2511,9	2688,5	2719,9	2610,4
agricultural holdings of households	1515,2	3814,3	2544,2	1346,1	1197,8	1239,3	1088,6	851,1

¹ From 2010, including goods for processing and own production of processing enterprises

AGRICULTURE, HUNTING, FORESTRY, FISHERY

HUNTING

18.50. Number of hunting animals, by type

	2000	2005	2010	2015	2016	2017	2018	2019
Ungulates, heads	177788	195005	238975	231294	220164	220973	217109	217409
Elk	4771	4510	5524	6439	6583	6409	6222	6285
Deer	15986	17606	19996	15985	16410	17116	16805	17224
Wild boars	36181	43119	61715	56856	42887	37395	30262	27498
Roe deer	118974	126267	147728	149729	151977	157536	161146	164051
European bisons	426	303	268	245	235	239	245	271
Fallow deer	1021	2692	3232	1339	1286	1511	1620	1260
Mouflons	370	419	420	701	786	765	809	820
Koulans	59	89	92	—	—	2	—	—
Fur animals, thsd. heads	2416,4	2348,4	2249,6	1705,5	1675,4	1728,1	1716,6	1732,1
Squirrels	59,5	62,1	66,8	62,8	62,4	64,8	64,8	64,5
Hares	1874,1	1789,8	1645,9	1224,0	1212,4	1248,5	1248,5	1258,7
Martens	53,1	59,5	63,2	57,7	56,3	57,2	55,5	54,1
Foxes	116,3	87,8	79,7	57,1	53,9	56,0	50,2	48,6
Musk-rats	146,4	172,0	187,0	121,3	114,3	111,7	107,7	110,7
Minks	3,4	3,6	5,8	7,5	7,1	8,6	13,0	12,5
Beavers	15,0	23,4	43,1	47,7	46,9	51,3	48,6	48,8
Wolves	2,8	2,6	2,7	2,1	2,1	2,3	2,2	2,1
Brown bears	0,3	0,3	0,4	0,3	0,3	0,3	0,3	0,3
Wild rabbits	0,2	0,3	0,2	0,1	0,2	0,2	0,1	0,3
Steppe marmots	76,7	69,8	67,4	48,1	42,0	50,0	49,0	54,6
Raccoon dogs	9,9	10,6	11,2	10,9	10,5	10,9	10,4	11,0
Badgers	24,7	24,7	26,5	25,8	26,7	27,9	27,7	28,4
Otters	8,7	11,7	13,4	13,9	13,9	13,7	13,8	14,0
Black polecats	20,0	21,8	25,7	19,0	19,0	17,5	17,2	16,4
Forest cats	0,6	1,0	1,2	1,2	1,3	1,3	1,4	1,4
Lynxes	0,3	0,4	0,4	0,4	0,4	0,4	0,4	0,4
Ermines	4,4	7,0	9,0	5,6	5,6	5,3	5,4	5,0
Jackals	...	...	...	0,0	0,1	0,2	0,4	0,3
Furred game, thsd. heads including	9417,5	9280,9	10672,9	9756,2	9888,4	9982,0	10388,2	10522,4
Partridges	1013,7	890,1	992,5	677,5	677,1	707,4	715,9	734,3
Wood grouses	3,8	3,8	3,8	3,4	3,1	3,0	3,0	3,0
Black grouses	13,3	12,7	11,0	13,7	11,5	11,9	12,5	11,7
Geese	162,2	103,7	117,5	92,2	92,1	111,9	97,4	98,0
Ducks	3125,3	2892,8	2866,2	2524,3	2593,9	2560,6	2677,7	2675,5
Pheasants	271,2	281,6	336,4	305,4	307,1	344,5	367,1	394,8
Quails	799,3	927,9	1399,2	1239,1	1250,4	1290,2	1388,5	1395,8
Hazel-grouses	16,4	21,6	23,9	20,9	20,7	19,7	18,7	18,6
Swans	55,1	21,9	19,1	27,1	28,0	29,1	30,2	32,9
Bittern	1527,4	1667,1	1892,7	1573,7	1585,0	1588,2	1599,9	1582,6
Sandpipers	1018,0	938,4	1130,1	870,1	887,9	822,1	879,5	909,0
Pigeons	1411,8	1519,3	1880,5	1934,5	1990,8	2055,6	2145,7	2227,7

AGRICULTURE, HUNTING, FORESTRY, FISHERY

FORESTRY

18.51. Forest and forested area

(source: State Service on Geodesy, Cartography and Cadaster of Ukraine; as of January 1, 2020)

Area, thsd.ha	10686,8
of which forested area	8925,8

18.52. Sale of forest products within Ukraine in 2019

	Number of the sold forest products, thsd.cub.m			Value of the sold forest products, mln. UAH		
	total	including species		total	including species	
		coniferous	broadleaf		coniferous	broadleaf
Types of round wood, total	14805,6	9020,2	5785,4	12846,8	6755,6	6091,2
Industrial round wood, total	7165,8	5489,1	1676,7	9231,5	5350,8	3880,7
sawing log and veneer block	4915,9	3766,8	1149,1	6537,6	3811,2	2726,4
paper wood, round and split	197,5	141,5	56,0	177,6	90,9	86,7
other assortment of industrial round wood	2052,4	1580,8	471,6	2516,3	1448,7	1067,6
Low-grade wood	7639,8	3531,1	4108,7	3615,3	1404,8	2210,5

18.53. Forest products harvesting by type

(thsd.cub.m)

	2000	2005	2010	2015	2016	2017	2018	2019
Types of round wood, total	11261,7	15244,3	16145,6	19267,7	19605,7	18913,9	19695,7	17886,6
Industrial round wood, total	5239,2	6617,0	7536,0	8302,6	8311,3	7296,6	8976,0	9303,4
sawing log and veneer block	3476,2	4631,6	5731,5	7019,8	6946,1	5909,2	6021,2	6237,4
paper wood, round and split	...	953,1	1101,7	811,9	873,3	761,4	877,8	263,1
other assortment of industrial round wood	...	1032,3	702,8	470,9	491,9	626,0	2077,0	2802,9
Low-grade wood	6022,5	8627,3	8609,6	10965,1	11294,4	11617,3	10719,7	8583,2

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18.54. Timber harvesting

	Felling area, thsd.ha					Volume of the marketable timber produced, thsd.cub.m				
	2005	2010	2015	2018	2019	2005	2010	2015	2018 ¹	2019 ¹
Total	464,7	402,2	399,3	445,5	436,8	15244,3	16145,6	19267,7	22529,7	20869,6
including										
main use felling	27,1	29,1	34,6	32,1	29,6	6455,9	7239,0	8391,8	8331,3	7914,6
forest harvesting and reproduction felling	434,7	371,3	363,1	408,8	402,9	8460,5	8843,4	10767,8	13923,4	12721,5
examination felling	125,6	94,7	94,4	98,1	91,9	1574,0	1255,0	1101,9	1935,3	1848,0
sanitation felling	218,5	224,3	226,9	288,1	289,3	5063,7	6553,6	8994,6	11110,9	9907,9
other felling	2,9	1,8	1,6	4,6	4,3	327,9	63,2	108,1	275,0	233,5

¹Including illiquid wood

18.55. Wood felling and procurement by species composition of forest range

	Felling areas, thsd.ha				Procured wood, thsd.cub.m			
	2016 ¹	2017 ¹	2018	2019	2016 ¹	2017 ¹	2018	2019
Total	386,3	419,1	445,5	436,8	22602,3	21914,8	22529,7	20869,6
Pine	190,8	229,9	249,9	248,1	11692,7	11663,0	12565,9	11292,6
Spruce	28,0	26,7	26,2	22,8	2834,7	2157,7	2191,0	1971,7
Other conifers	7,7	8,1	8,4	7,1	492,7	492,2	440,8	438,5
Oak	84,0	78,5	79,8	83,2	2973,2	2803,4	2804,0	2979,0
Beech	25,0	26,6	26,6	23,1	1313,9	1386,6	1268,9	1098,2
Other hard-wooded broad leaved	29,9	29,3	31,9	31,8	1464,3	1508,1	1529,6	1525,6
Birch	8,5	8,4	9,7	8,6	736,3	801,4	689,1	647,7
Aspen	2,5	2,4	2,6	2,4	186,8	194,0	185,4	133,4
Alder	7,5	7,1	7,6	7,1	784,0	786,8	717,3	670,0
Other soft-wooded broadleaved	1,9	1,8	2,5	2,2	108,8	109,6	125,1	92,6
Other woody species	0,3	0,3	0,2	0,3	12,5	11,8	9,3	18,6
Shrubs	0,2	0,0	0,1	0,1	2,4	0,2	3,3	1,7

¹Excluding the wood procured during the conduct of preparatory work

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18.56. Timber harvesting, by region

	Felling area, thsd.ha				Volume of the marketable timber produced, thsd.cub.m			
	2015	2017	2018	2019	2015	2017	2018	2019
Ukraine	399,3	419,1	445,5	436,8	19267,7	18913,9	19695,7	17886,6
Autonomous Republic of Crimea	...	...	...	...	...	...	...	...
oblasts								
Vinnnytsya	16,5	16,0	17,6	18,4	686,6	639,5	646,2	671,0
Volyn	22,2	31,2	31,3	33,4	1127,6	1365,1	1496,6	1291,6
Dnipropetrovsk	3,2	3,5	2,9	2,7	83,6	78,5	84,7	77,3
Donetsk	3,1	3,8	3,8	4,5	88,6	82,5	67,4	66,6
Zhytomyr	58,4	62,2	68,1	68,0	3127,3	3360,3	3488,5	3209,0
Zakarpattia	25,3	25,7	24,4	22,7	1451,2	1202,0	1239,1	1090,3
Zaporizhzhya	2,5	1,5	1,3	1,4	30,8	22,0	20,1	19,2
Ivano-Frankivsk	28,0	25,8	28,3	21,8	1223,6	1161,5	1153,8	988,1
Kyiv	23,2	31,0	29,9	35,6	1565,8	1659,2	1785,7	1647,4
Kirovohrad	4,0	4,5	4,7	4,7	217,5	168,0	194,3	191,7
Luhansk	8,5	9,1	10,0	8,2	169,0	279,2	231,2	154,9
Lviv	24,5	25,9	27,8	23,3	1284,4	1178,0	1210,6	1027,8
Mykolayiv	2,5	2,2	1,8	2,1	37,2	32,0	24,9	26,7
Odesa	5,9	3,4	4,3	4,1	106,2	89,7	81,8	75,0
Poltava	9,0	7,6	8,0	8,6	491,3	340,9	369,8	341,3
Rivne	34,9	36,9	42,0	42,8	1528,9	1671,1	1794,1	1736,5
Sumy	21,2	21,3	24,1	23,0	982,6	992,3	1045,3	1001,1
Ternopil	9,7	7,5	7,5	7,6	279,9	266,0	256,1	269,0
Kharkiv	13,9	15,5	18,4	18,9	476,7	367,3	461,7	534,6
Kherson	3,1	1,6	1,3	1,2	76,6	40,2	54,1	45,2
Khmelnyskiy	14,1	15,4	17,1	15,5	698,6	782,0	836,6	741,4
Cherkasy	16,3	20,3	20,2	17,7	699,0	713,9	762,9	526,5
Chernivtsi	13,9	12,0	12,6	11,2	828,5	656,5	623,7	569,7
Chernihiv	25,3	27,0	29,2	30,5	1575,0	1564,1	1547,7	1474,1
cities								
Kyiv	10,1	8,2	8,9	8,9	431,2	202,1	218,8	110,6
Sevastopol	...	...	...	...	...	...	...	...

AGRICULTURE, HUNTING, FORESTRY, FISHERY

18.57. Forest felling and measures of forestry activities in 2019, by region

(thsd.ha)

	Area of felling and measures	Including			
		main use felling	forest maintenance and reproduction felling		other felling
			total	of which test felling	
Ukraine	436,8	29,6	402,9	91,9	4,3
Autonomous Republic of Crimea	...	...	...	...	...
oblasts					
Vinnnytsya	18,4	1,4	16,9	7,0	0,1
Volyn	33,4	2,5	30,8	5,2	0,1
Dnipropetrovsk	2,7	—	2,7	0,4	0,0
Donetsk	4,5	—	c	c	c
Zhytomyr	68,0	5,8	61,9	8,3	0,3
Zakarpattya	22,7	1,4	21,1	5,7	0,2
Zaporizhzhya	1,4	—	c	c	c
Ivano-Frankivsk	21,8	1,8	19,8	6,6	0,2
Kyiv	35,6	1,2	33,9	7,4	0,5
Kirovohrad	4,7	c	4,5	1,0	c
Luhansk	8,2	0,2	7,9	1,7	0,1
Lviv	23,3	2,6	20,4	4,9	0,3
Mykolayiv	2,1	—	c	c	c
Odesa	4,1	—	c	c	c
Poltava	8,7	0,3	8,4	2,2	0,0
Rivne	42,8	2,5	40,2	6,9	0,1
Sumy	23,0	1,7	21,1	6,0	0,2
Ternopil	7,6	0,7	6,8	3,2	0,1
Kharkiv	18,9	0,2	18,6	3,7	0,1
Kherson	1,2	—	c	c	c
Khmelnyskiy	15,5	1,0	14,4	4,8	0,1
Cherkasy	17,7	1,0	16,1	4,8	0,6
Chernivtsi	11,2	1,9	9,2	5,7	0,1
Chernihiv	30,4	2,9	27,4	4,6	0,1
cities					
Kyiv	8,9	c	7,7	0,3	c
Sevastopol	...	...	...	...	...

AGRICULTURE, HUNTING, FORESTRY, FISHERY

18.58. Area of forest reproduction

(thsd. ha)

	2000	2005	2010	2015	2016	2017	2018	2019
Creation of forest growing stock	37,8	58,6	70,1	60,4	63,2	64,7	51,5	48,8
including								
reforestation	29,8	45,9	56,1	40,4	42,3	42,6	34,6	32,1
natural reproduction	8,0	12,7	14,0	20,0	20,9	22,1	16,9	16,7
Transfer of forest crops into forest lands	26,9	26,5	40,0	45,5	42,1	41,0	41,1	41,5
Transfer of natural reproduction into forest lands	5,2	7,8	14,8	15,3	14,8	16,4	18,2	17,3

18.59. Areas of forest renewal by forest planting and sowing, by region

(ha)

	2000 ¹	2005	2010	2015	2016	2017	2018	2019
Ukraine	29802	45855	56076	40417	42342	42651	34656	32139
Autonomous Republic of Crimea	89	30	1411	...	...	...	...	...
oblasts								
Vinnnytsya	1008	1276	2791	1963	2147	1897	1559	1403
Volyn	1776	3093	2400	2108	2359	2644	2408	2771
Dnipropetrovsk	522	406	1907	246	223	91	92	252
Donetsk	403	583	1987	241	264	244	212	210
Zhytomyr	3605	5308	4282	6416	7440	7986	5825	5694
Zakarpattya	1687	1955	1122	1361	1386	1140	891	822
Zaporizhzhya	438	624	2004	363	83	6	616	471
Ivano-Frankivsk	1577	1699	1080	1772	1666	1732	1468	1060
Kyiv	2121	3437	2307	3753	3599	3979	3562	3060
Kirovohrad	389	844	2268	729	838	749	423	440
Luhansk	1756	4160	5849	437	1014	959	814	982
Lviv	2572	4138	2422	2413	2569	2598	1870	1458
Mykolayiv	292	666	2498	148	241	17	12	177
Odesa	352	389	3218	265	221	354	119	37
Poltava	552	1701	2035	1810	1783	1593	1227	1062
Rivne	1868	2997	3505	4249	4386	5216	4508	3748
Sumy	1383	1921	2214	1935	1895	1794	1464	1487
Ternopil	760	959	839	716	734	645	682	630
Kharkiv	1587	1775	1068	844	1129	1075	542	512
Kherson	105	578	1581	690	321	110	123	67
Khmelnyskiy	1120	1884	2053	1432	1626	1473	1314	1344
Cherkasy	1020	949	1393	1313	1527	1555	1281	1206
Chernivtsi	834	1391	1103	990	820	698	411	403
Chernihiv	1903	2894	2656	3977	3946	3849	3002	2695
cities								
Kyiv	82	174	51	246	125	247	240	148
Sevastopol	1	24	32	...	...	...	...	...

¹ In addition, in forests of Ukrzaliznytsya, Ukrainian Railway Corporation (Ministry of Infrastructure of Ukraine), forest planting and sowing amounted to 11 ha in 2000

AGRICULTURE, HUNTING, FORESTRY, FISHERY

18.60. Forest protection from pests and diseases

(thsd. ha)

	2000	2005	2010	2015	2016	2017	2018	2019
Areas where the operations were conducted to protect forests from pests and diseases	174,3	234,8	81,9	46,0	37,2	46,1	104,5	96,6
by biological methods	159,1	188,6	68,4	31,6	29,0	31,4	96,9	94,4
by chemicals	15,2	46,2	13,5	14,4	8,2	14,7	7,6	2,2
Areas where the pests and forest diseases centers were liquidated due to the conducted actions and under the influence of natural factors	71,8	138,1	101,0	123,1	119,0	154,2	242,9	183,6

18.61. Area of forest ranges dying

(ha)

	2000	2005	2010	2015	2016	2017	2018	2019
Area of forest ranges dying	8908	12085	20864	27768	19405	20111	15069	12398
including								
pests	388	860	1295	1183	2332	5439	8762	6223
diseases	1278	3294	5632	7258	5921	2334	2464	2808
adverse weather conditions	6421	6064	10113	8350	8042	3065	2605	2817
forest fires	696	1437	3127	8564	1591	8763	1085	395
other	125	430	697	2413	1519	510	153 ¹	155 ¹

¹ In 2018, 2019, the indicator of forest plantations loss due to other causes includes: 59 ha and 112 ha due to damage by wild animals, 81 ha and 41 ha due to anthropogenic factors, 13 ha and 2 ha due to excessive humidity

18.62. Forest fires¹

	2000	2005	2010	2015	2016	2017	2018	2019
Incidents	3696	4223	3240	3813	1249	3131	1301	1263
Forest areas suffered from fires, thsd. ha	1,6	2,3	3,7	14,7	1,2	5,9	1,5	1,1
Losses due to forest fires, mln. UAH	1,4	3,5	26,7	20,2	8,6	45,9	29,5	6,8

¹ Since 2018, the State Emergency Service of Ukraine

AGRICULTURE, HUNTING, FORESTRY, FISHERY

FISHERY

 18.63. Harvesting of water bio-resources, by type¹

(t)

	2000	2005	2010	2015	2016	2017	2018	2019
Water bio-resources	350087	265585	218681	88552	88443	92645	86223	92682
Fish	346699	234185	215017	73963	78490	81875	64738	58096
including								
European anchovy (Azov anchovy)	...	...	...	1244	2387	1952	685	760
Grass carp	...	...	...	485	485	471	518	511
Silverside	...	...	...	305	166	166	620	410
Bullhead	752	9607	8888	15651	19507	22989	11770	10136
Pondweed bug	...	...	...	244	123	221	267	245
Redeye	...	...	...	147	131	244	202	188
Crucian carp	...	...	...	5305	7355	9367	8133	8848
Flounder	...	216	215	86	142	109	131	131
Sprat (Black and Caspian Sea)	...	...	...	1653	1360	1443	4390	5033
Carp	8519	10531	9858	9807	9081	9017	9184	7570
Bream	2209	1979	2713	2948	3512	3264	3259	3035
Perch	...	...	...	270	517	432	462	526
Herring	73	270	485	155	245	98	153	375
Sturgeon	...	6	21	36	76	57	71	37
Mugil soiuy, mullet	5459	6035	3837	379	714	770	931	943
Silver breams	...	...	...	881	1194	1317	1219	1201
Bruise	...	...	...	137	140	248	248	210
Fresh-water catfish	...	46	207	289	293	327	340	418
Pike-perch	1183	423	367	733	913	1091	1043	1034
Roach (dace)	2421	1077	688	2412	2847	2712	2550	2490
Silver carp	15239	14705	11752	11523	10877	9115	9957	9149
Trout	...	26	171	405	353	360	370	304
Cekhonya	...	...	...	94	90	133	141	118
Pike	...	183	197	297	271	332	277	308
Other water living resources	3388	31400	3664	14589	9953	10770	21485	34586
including								
Crustaceans	10	14077	41	13081	7842	8693	15631	23164
Molluscs	3353	17256	2732	900	1553	1691	c	c

¹ From 2010 data include fishing by natural persons-entrepreneurs

AGRICULTURE, HUNTING, FORESTRY, FISHERY

18.64. Harvesting of water bio-resources, by region¹

(t)

	2000	2005	2010	2015	2016	2017	2018	2019
Ukraine	350087	265585	218681	88552	88443	92645	86223	92682
Autonomous Republic of Crimea	126698	34269	15207	...	...	...	...	...
oblasts								
Vinnnytsya	1824	1817	1926	2037	1990	1923	1974	1976
Volyn	261	401	423	772	539	621	537	455
Dnipropetrovsk	2717	1997	1794	2035	2884	3717	3598	3700
Donetsk	7777	10811	9887	6362	4935	7573	6285	4315
Zhytomyr	911	833	534	609	456	658	838	841
Zakarpattya	281	388	377	402	742	319	316	228
Zaporizhzhya	3722	9668	11926	22522	28167	25429	12849	9126
Ivano-Frankivsk	357	551	507	610	561	609	629	517
Kyiv	2002	1393	1999	3653	c	4392	3656	3614
Kirovohrad	1363	1128	1553	1832	2109	2306	2424	1137
Luhansk	1196	370	513	c	200	266	173	134
Lviv	1312	1575	1287	809	777	817	875	755
Mykolayiv	2944	761	3000	1934	1856	10572	18778	26231
Odesa	31512	23258	19527	22245	17500	10933	12802	17059
Poltava	3288	2163	1379	1113	1550	1436	1077	1279
Rivne	504	601	486	520	632	512	595	367
Sumy	1925	2329	2112	2534	2310	2422	2304	1888
Ternopil	286	408	745	239	283	307	344	412
Kharkiv	1025	987	1131	1248	774	979	1077	954
Kherson	5816	6840	4801	4530	7095	7517	5590	6476
Khmelnytskyi	700	746	176	479	531	623	668	607
Cherkasy	5175	4448	5254	5856	6230	5706	5823	5914
Chernivtsi	522	464	487	1081	568	772	744	809
Chernihiv	397	707	1148	1055	656	638	734	599
cities								
Kyiv	2240	—	19193	c	c	1598	1533	3289
Sevastopol	143332	156672	111309	...	...	...	...	...

¹ See the footnote to Table 18.63

19. CONSTRUCTION

The **construction work**, according to *the Classification of Types of Economic Activity*, State Classifier 009:2010, include general and specialised construction work of buildings and structures. This activity includes new construction, repair operations and reconstruction, construction of buildings and prefabricated structures on the site of operations as well as construction of temporary objects (Section F *Construction*).

Indices of construction produce are produced in line with international standards for construction by the Technique

approved by SSSU decree 224 of August 2, 2005 (with changes by the decrees № 91 of the State Statistics Service of Ukraine dated on March 14, 2013 and № 61 of January 23, 2020). Indices for 2015-2018 in Ukraine were revised due to the change of the base year (2016=100%).

Residential buildings includes dwelling: single-family house, houses with two and more apartments and boarding **houses** (including old people's homes, student's hostels and others, e.g. refugee's hostels, hostels for workers and employees, orphanages, homes for the homeless etc).

19.1. Indices of construction output

(percent of the previous year)

	2015	2016	2017	2018	2019
Total	87,5	117,5	126,4	108,6	123,6
Buildings	91,7	120,8	121,5	103,5	119,1
residential	98,9	117,8	116,3	100,9	104,8
non-residential	85,8	123,7	126,1	105,7	130,3
Engineering structures	83,7	114,0	131,7	113,6	127,7

19.2. Construction output, by type of construction output

(percent)

	2010	2015	2016	2017	2018	2019
Total	100,0	100,0	100,0	100,0	100,0	100,0
Buildings	45,6	50,3	51,7	50,0	47,3	46,0
residential	16,1	24,2	24,4	22,5	20,8	18,3
non-residential	29,5	26,1	27,3	27,5	26,5	27,7
Engineering structures	54,4	49,7	48,3	50,0	52,7	54,0

CONSTRUCTION

19.3. Indices of construction output, by region

(percent of the previous year)

	2015	2016	2017	2018	2019
Ukraine	87,5	117,5	126,4	108,6	123,6
Autonomous Republic of Crimea	...	...	...	...	...
oblasts					
Vinnycya	104,8	143,2	113,3	144,7	177,7
Volyn	133,8	110,6	99,0	100,7	122,4
Dnipropetrovsk	91,0	100,0	136,7	125,1	128,9
Donetsk	41,5	104,7	105,3	136,8	125,4
Zhytomyr	87,7	139,0	142,4	107,3	127,6
Zakarpattya	115,2	118,6	150,7	104,2	122,8
Zaporizhzhya	97,6	98,8	132,7	120,8	96,2
Ivano-Frankivsk	106,3	103,5	134,4	117,9	107,8
Kyiv	99,7	133,0	122,3	103,9	133,9
Kirovohrad	104,7	111,8	166,5	85,8	121,3
Luhansk	49,2	118,1	74,2	87,1	101,1
Lviv	120,1	122,3	111,9	111,5	123,3
Mykolayiv	122,7	116,9	116,5	86,8	150,2
Odesa	80,2	133,8	149,3	111,5	111,3
Poltava	84,6	91,5	119,4	98,4	104,4
Rivne	64,7	83,7	114,4	130,9	127,3
Sumy	89,3	116,5	98,2	92,0	104,9
Ternopil	95,9	129,6	103,1	93,6	126,9
Kharkiv	102,5	131,1	122,9	101,5	112,9
Kherson	93,8	113,8	134,6	98,7	144,7
Khmelnytskyi	108,9	107,6	127,2	121,0	109,0
Cherkasy	95,4	114,7	108,9	123,8	101,4
Chernivtsi	89,0	99,5	109,1	93,3	138,7
Chernihiv	64,7	100,3	130,0	103,1	152,0
cities					
Kyiv	86,2	126,7	133,0	100,9	126,1
Sevastopol	...	...	...	...	...

CONSTRUCTION

19.4. Total area of residential buildings put into operation, by region¹

(thsd.sq.m of total size)

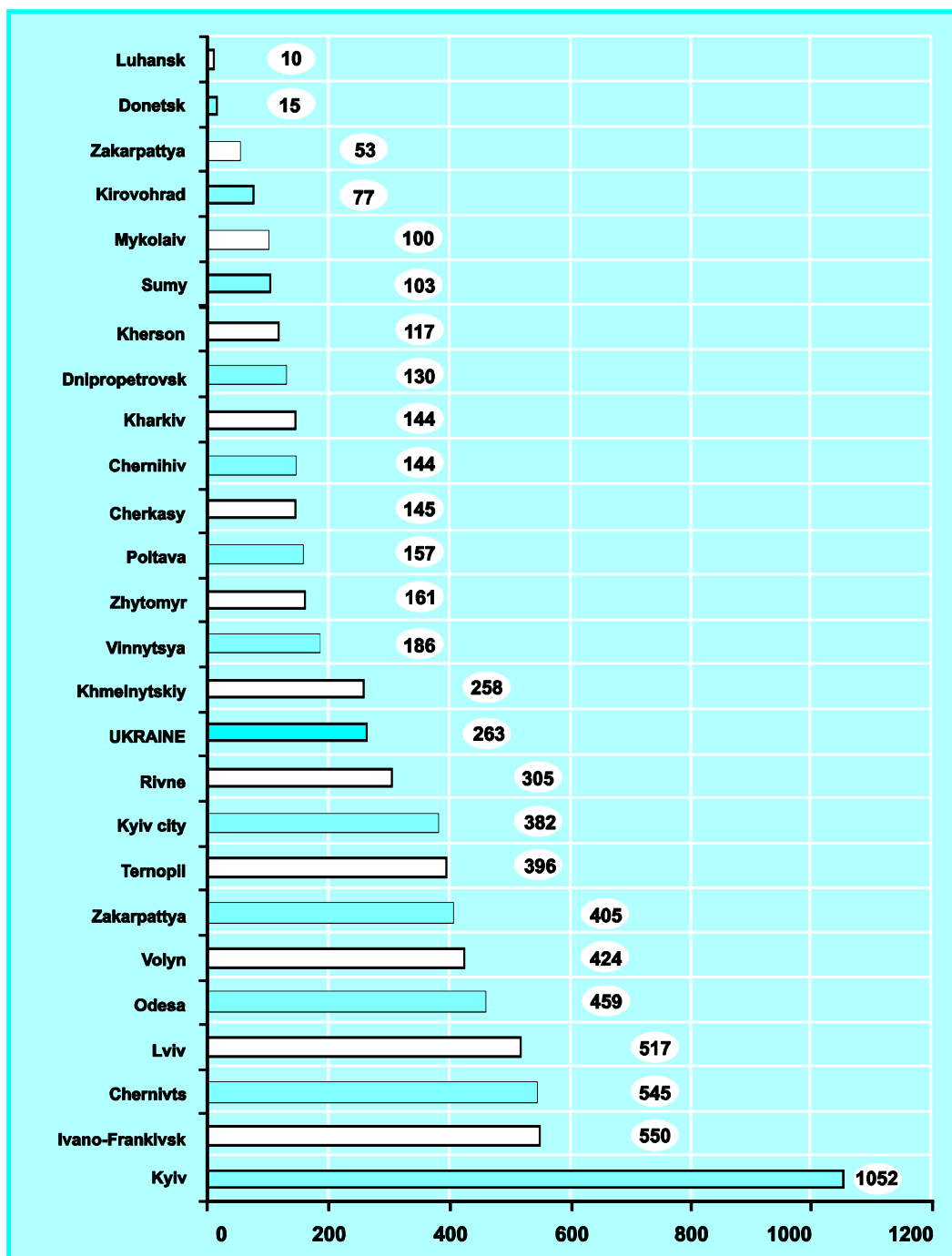
	2000	2005	2010	2015	2016	2017	2018	2019
Ukraine	5558	7816	9339	11044	9367	9217	8689	11029
Autonomous Republic of Crimea	179	283	535	...	...	...	...	...
oblasts								
Vinnnytsya	141	350	292	391	350	304	224	287
Volyn	126	155	175	329	364	308	371	437
Dnipropetrovsk	431	375	226	340	293	320	284	414
Donetsk	344	329	293	43	58	38	41	63
Zhytomyr	118	192	201	213	166	124	146	196
Zakarpattia	213	232	293	442	336	368	429	507
Zaporizhzhya	131	159	144	101	108	89	68	90
Ivano-Frankivsk	217	332	600	856	481	523	404	753
Kyiv	337	635	1184	1864	2060	1719	1541	1861
Kirovohrad	78	108	98	117	54	41	48	71
Luhansk	181	253	147	22	7	15	16	21
Lviv	372	499	642	1165	859	889	897	1292
Mykolayiv	101	123	133	168	106	52	51	112
Odesa	268	450	640	632	576	683	568	1087
Poltava	169	210	246	266	137	206	203	217
Rivne	107	145	207	361	324	360	319	352
Sumy	110	143	182	157	110	92	97	111
Ternopil	149	245	288	480	234	244	261	411
Kharkiv	249	367	416	384	469	348	529	382
Kherson	128	163	182	113	82	59	95	121
Khmelnyskiy	168	287	362	469	405	335	325	324
Cherkasy	109	161	187	193	126	133	131	173
Chernivtsi	116	201	294	382	222	187	287	490
Chernihiv	95	153	160	190	106	118	98	143
cities								
Kyiv	859	1201	1012	1366	1334	1662	1256	1114
Sevastopol	62	65	200	...	...	...	...	...

¹ Here and elsewhere (Table 19.5–19.9), for 2010–2016 and 2018–2019, including data on housing put into service according to procedures (Ukraine's Ministry of Regional Development, Construction and Public Utilities' Decree 158 of July 3, 2018 (with changes), Decree 79 of April 24, 2015, Decree 95 of March 19, 2013 and Decree 91 of June 24, 2011, and Ukraine Cabinet of Ministers' regulation 1035 of September 09, 2009); for 2017–2019, new construction (excluding an increase in area due to reconstruction)

CONSTRUCTION

19.5. Total area of residential buildings put into operation in 2019, by region

(sq.m of total size per 1000 population)



CONSTRUCTION

19.6. Total area of residential buildings put into operation by types

	2005	2010	2015	2016	2017	2018	2019
Thsd.sq.m of total size							
Total	7815,9	9339,3	11044,4	9366,8	9217,4	8689,4	11029,3
single-family house	4385,7	6266,8	5580,0	4089,2	3555,6	4247,7	5847,1
houses with two and more apartments	3410,9	3050,4	5435,2	5249,6	5648,2	4434,6	5176,4
boarding houses	19,3	22,1	29,2	28,0	13,6	7,1	5,8
Percentage of total							
Total	100,0	100,0	100,0	100,0	100,0	100,0	100,0
single-family house	56,1	67,1	50,5	43,7	38,6	48,9	53,0
houses with two and more apartments	43,7	32,7	49,2	56,0	61,3	51,0	46,9
boarding houses	0,2	0,2	0,3	0,3	0,1	0,1	0,1

CONSTRUCTION

19.7. Total area of residential buildings put into operation in urban areas, by region

(thsd.sq.m of total size)

	2000	2005	2010	2015	2016	2017	2018	2019
Ukraine	4329	6088	6304	7465	6503	6506	5652	6806
Autonomous Republic of Crimea	125	232	378	...	...	...	...	...
oblasts								
Vinnnytsya	90	214	186	251	277	231	157	163
Volyn	81	114	94	165	183	134	161	181
Dnipropetrovsk	381	302	181	259	264	295	245	359
Donetsk	308	285	253	36	52	29	29	48
Zhytomyr	84	126	109	140	117	65	79	100
Zakarpattya	72	137	138	199	156	158	168	191
Zaporizhya	106	127	107	85	98	71	51	67
Ivano-Frankivsk	157	227	322	400	210	264	139	372
Kyiv	197	352	488	832	884	749	636	767
Kirovohrad	59	84	64	86	40	33	37	52
Luhansk	141	200	127	18	6	12	10	17
Lviv	248	344	404	822	653	648	578	819
Mykolayiv	92	109	119	141	98	47	47	99
Odesa	215	356	419	530	390	487	379	714
Poltava	123	161	179	181	83	144	129	124
Rivne	56	92	107	204	177	218	162	167
Sumy	83	115	145	132	93	78	80	90
Ternopil	126	200	188	300	187	186	161	230
Kharkiv	199	305	333	340	431	321	493	336
Kherson	101	122	127	81	71	44	73	82
Khmelnyskiy	117	233	277	411	350	302	287	258
Cherkasy	82	121	123	148	105	115	109	133
Chernivtsi	86	126	133	191	162	113	113	208
Chernihiv	81	141	103	147	82	100	73	115
cities								
Kyiv	859	1201	1012	1366	1334	1662	1256	1114
Sevastopol	60	62	188	...	...	...	...	...

CONSTRUCTION

19.8. Total area of residential buildings put into operation in rural areas, by region

(thsd.sq.m of total size)

	2000	2005	2010	2015	2016	2017	2018	2019
Ukraine	1229	1728	3035	3579	2864	2711	3037	4223
Autonomous Republic of Crimea	54	51	157	...	...	...	...	...
oblasts								
Vinnnytsya	51	136	106	140	73	73	67	124
Volyn	45	41	81	164	181	174	210	256
Dnipropetrovsk	50	73	45	81	29	25	39	55
Donetsk	36	44	40	7	6	9	12	15
Zhytomyr	34	66	92	73	49	59	67	96
Zakarpattya	141	95	155	243	180	210	261	316
Zaporizhya	25	32	37	16	10	18	17	23
Ivano-Frankivsk	60	105	278	456	271	259	265	381
Kyiv	140	283	696	1032	1176	970	905	1094
Kirovohrad	19	24	34	31	14	8	11	19
Luhansk	40	53	20	4	1	3	6	4
Lviv	124	155	238	343	206	241	319	473
Mykolayiv	9	14	14	27	8	5	4	13
Odesa	53	94	221	102	186	196	189	373
Poltava	46	49	67	85	54	62	74	93
Rivne	51	53	100	157	147	142	157	185
Sumy	27	28	37	25	17	14	17	21
Ternopil	23	45	100	180	47	58	100	181
Kharkiv	50	62	83	44	38	27	36	46
Kherson	27	41	55	32	11	15	22	39
Khmelnyskiy	51	54	85	58	55	33	38	66
Cherkasy	27	40	64	45	21	18	22	40
Chernivtsi	30	75	161	191	60	74	174	282
Chernihiv	14	12	57	43	24	18	25	28
city								
Sevastopol	2	3	12	...	...	...	...	...

CONSTRUCTION

19.9. Total area of residential buildings put into operation and the number of apartments built

	2000	2005	2010	2015	2016	2017	2018	2019
Total								
Total size, thsd.sq.m	5558	7816	9339	11044	9367	9217	8689	11029
in urban areas	4329	6088	6304	7465	6503	6506	5652	6806
in rural areas	1229	1728	3035	3579	2864	2711	3037	4223
Number of apartments built, thsd.	63	76	77	120	113	117	103	126
in urban areas	52	63	57	89	85	91	76	88
in rural areas	11	13	20	31	28	26	27	38
Per 1000 population								
Total size, sq.m	113	167	204	259	220	218	206	263
in urban areas	130	192	202	254	222	223	194	235
in rural areas	77	113	210	269	217	207	233	327
Number of apartments built	1,3	1,6	1,7	2,8	2,6	2,8	2,4	3,0
in urban areas	1,6	2,0	1,8	3,0	2,9	3,1	2,6	3,0
in rural areas	0,7	0,8	1,4	2,4	2,1	2,0	2,1	3,0

20. CAPITAL INVESTMENT

Capital investment is expenditure for an acquisition or production (creation) of tangible and intangible non-current assets. The calculation of investment per capita is made on the basis of average annual resident population.

Investment into tangible assets is investment into residential buildings, non-residential buildings, engineering structures, machines, equipment and tools, transport facilities, land, long-term biological assets of animal breeding and crop farming other tangible assets.

Investment into intangible assets is investment into an acquisition or creation

using one's own resources of the rights to use natural resources and property, software and databases, the rights for commercial brands, subjects of industrial property, copyrights and related rights, patents, licences, concessions, etc.

The calculation of investment per capita is made on the basis of average annual resident population.

Capital investment index is produced in line with the Technique to compile capital investment index approved by SSCU order No 494 of December 25, 2009.

CAPITAL INVESTMENT

20.1. Capital investment by type of assets

	2010	2015	2016	2017	2018	2019
Mln. UAH						
Total	189061	273116	359216	448462	578726	623979
Investment into material assets	182076	254731	347390	432040	542335	600568
residential buildings	28736	45610	44865	53372	57396	58015
non-residential buildings	38912	43331	59398	65605	88846	100468
engineering structure	40757	50949	67517	78564	111315	149153
machines, equipment and stock	55183	84423	123133	154722	187651	198455
transport vehicles	11399	19650	36686	60124	73926	65871
land	1292	1442	1916	1994	1673	2230
long-term biological assets of crop growing and cattle raising	2011	2762	3162	3728	4528	6000
other material assets	3786	6564	10713	13931	17000	20376
Investment into non-material assets	6985	18385	11826	16422	36391	23411
including						
software and data bases	2826	4908	6315	8196	9476	10215
rights on commercial notations, objects of industrial ownership, author's rights and related rights, patents, licences, concessions, etc	3070	12458	4181	5718	23804	7309
Percentage of total						
Total	100,0	100,0	100,0	100,0	100,0	100,0
Investment into material assets	96,3	93,3	96,7	96,3	93,7	96,2
residential buildings	15,2	16,7	12,5	11,9	9,9	9,3
non-residential buildings	20,6	15,9	16,5	14,6	15,4	16,1
engineering structure	21,5	18,7	18,8	17,5	19,2	23,9
machines, equipment and stock	29,2	30,9	34,3	34,5	32,4	31,8
transport vehicles	6,0	7,2	10,2	13,4	12,8	10,5
land	0,7	0,5	0,5	0,5	0,3	0,3
long-term biological assets of crop growing and cattle raising	1,1	1,0	0,9	0,8	0,8	1,0
other material assets	2,0	2,4	3,0	3,1	2,9	3,3
Investment into non-material assets	3,7	6,7	3,3	3,7	6,3	3,8
including						
software and data bases	1,5	1,8	1,8	1,8	1,6	1,6
rights on commercial notations, objects of industrial ownership, author's rights and related rights, patents, licences, concessions, etc	1,6	4,6	1,2	1,3	4,1	1,2

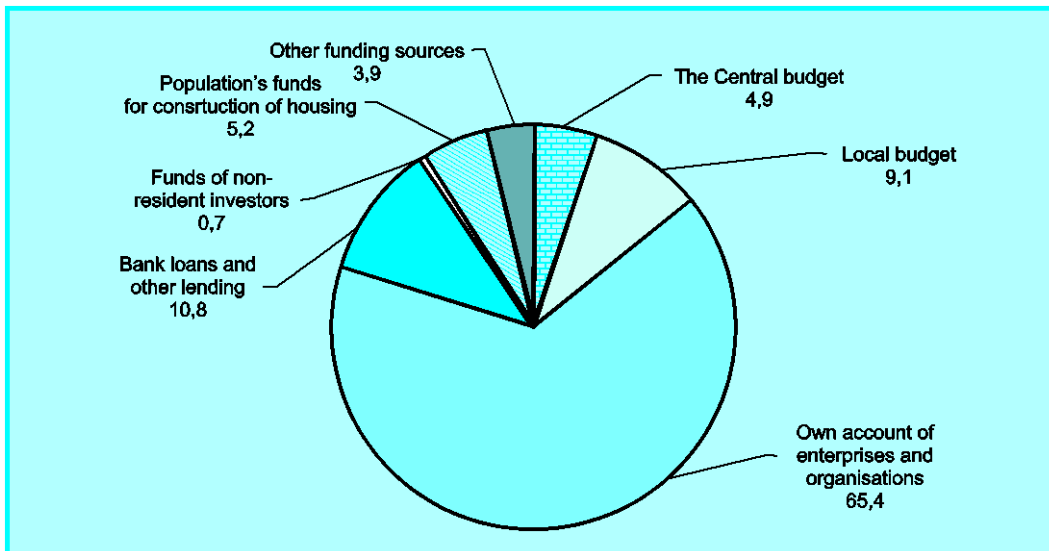
CAPITAL INVESTMENT

20.2. Capital investments, by source of financing

	2010	2015	2016	2017	2018	2019
Mln. UAH						
Total	189061	273116	359216	448462	578726	623979
including on account of						
the Central budget	10952	6920	9264	15295	22814	30834
local budgets	6368	14260	26817	41566	50356	56480
own account of enterprises and organisations	114964	184351	248769	310062	409585	408276
bank loans and other lending	23336	20740	27106	29589	44825	67233
funds of non-resident investors	4068	8185	9831	6206	1795	4664
population's funds for construction of housing	20830	31985	29933	32803	34646	32422
other funding sources	8543	6675	7496	12941	14705	24070
Percentage of total						
Total	100,0	100,0	100,0	100,0	100,0	100,0
including on account of						
the Central budget	5,8	2,5	2,6	3,4	3,9	4,9
local budgets	3,4	5,2	7,5	9,3	8,7	9,1
own account of enterprises and organisations	60,8	67,5	69,3	69,1	70,8	65,4
bank loans and other lending	12,3	7,6	7,5	6,6	7,8	10,8
funds of non-resident investors	2,1	3,0	2,7	1,4	0,3	0,7
population's funds for construction of housing	11,1	11,7	8,3	7,3	6,0	5,2
other funding sources	4,5	2,5	2,1	2,9	2,5	3,9

20.3. Structure of capital investment in 2019, by source of financing

(percent)



CAPITAL INVESTMENT

20.4. Capital investment, by type of economic activity*(mln. UAH)*

	2010	2015	2016	2017	2018	2019
Total	189061	273116	359216	448462	578726	623979
Agriculture, forestry and fishing	11568	30155	50484	64243	66104	59130
Agriculture, hunting and related services	11311	29310	49660	63401	65059	58555
Forestry and logging	183	789	777	769	980	549
Fishing	73	56	47	73	65	26
Industry	56725	87656	117754	143300	199896	254196
Construction	32790	43464	44444	52176	55994	62347
Wholesale and retail trade; repair of motor vehicles and motorcycles	18868	20663	29957	33665	51818	44174
Wholesale and retail trade and repair of motor vehicles and motorcycles	1432	1469	1758	2826	3103	3467
Wholesale trade, except of motor vehicles and motorcycles	12158	13536	18258	22097	28840	22428
Retail trade, except of motor vehicles and motorcycles	5277	5658	9941	8742	19875	18279
Transport and storage, postal and courier activities	19592	18704	25107	37944	50078	43793
Land and via pipeline transport	6771	8120	15931	22246	31006	24570
Water transport	179	303	234	254	198	252
Air transport	617	648	616	1302	1528	1768
Warehousing and support activities for transport	11901	9529	8126	13758	16962	17144
Postal and courier activities	125	104	200	384	384	59
Accommodation and food service activities	1671	1393	1478	2134	2675	2832
Accommodation	1291	890	756	1380	1473	983
Food and beverage service activities	380	503	722	754	1202	1849
Information and communication	8654	22975	15651	18395	29885	21063
Publishing, audiovisual and broadcasting activities	1935	2304	2821	3568	4745	5766
Telecommunications	6366	19537	10705	12777	21318	11734
IT and other information services	354	1134	2125	2050	3822	3563
Financial and insurance activities	5883	6448	7679	8055	10652	11246
Real estate activities	10264	11899	19665	22506	27557	28147
Professional, scientific and technical activities	5648	4065	6579	7965	10798	11912
Legal, accounting, management, architecture, engineering, technical testing and analysis activities	4750	3244	4966	5562	7752	8301
Scientific research and development	578	518	758	1110	1511	2058
Advertising and market research, other professional, scientific and technical activities, veterinary activities	320	303	855	1293	1535	1553
Administrative and support service activities	3171	6535	10009	12747	11838	11741
Public administration and defence, compulsory social security	8324	13942	22381	32844	44598	54306
Education	1935	1540	2257	3493	4460	4789
Human health and social work activities	2295	2367	4479	6708	8139	9485
Arts, entertainment and recreation	1004	1044	970	1649	3663	4146
Other services	669	266	322	638	571	672

CAPITAL INVESTMENT

20.5. Indices for capital investment, by type of economic activity

(percent of the previous year)

	2015	2016	2017	2018	2019
Total	98,3	118,0	122,1	116,4	115,5
Agriculture, forestry and fishing	127,1	149,5	130,7	108,5	90,0
Agriculture, hunting and related services	126,1	151,4	131,2	108,4	90,4
Forestry and logging	166,1	89,2	100,0	115,5	60,7
Fishing	248,5	59,4	153,7	106,4	75,9
Industry	80,1	118,7	123,4	122,2	134,7
Construction	96,4	91,3	110,5	86,1	109,8
Wholesale and retail trade; repair of motor vehicles and motorcycles	75,7	125,0	113,0	149,1	100,3
Wholesale and retail trade and repair of motor vehicles and motorcycles	122,8	113,1	149,0	102,5	130,6
Wholesale trade, except of motor vehicles and motorcycles	72,4	123,0	114,3	132,8	96,5
Retail trade, except of motor vehicles and motorcycles	76,8	132,1	102,9	201,0	101,4
Transport and storage, postal and courier activities	93,0	135,2	142,2	121,9	96,6
Land and via pipeline transport	166,7	180,2	147,4	124,3	89,4
Water transport	129,3	60,1	105,3	84,5	129,7
Air transport	166,5	100,6	160,6	135,9	109,6
Warehousing and support activities for transport	64,2	100,1	130,4	117,6	110,9
Postal and courier activities	56,8	124,5	336,7	94,4	16,8
Accommodation and food service activities	67,4	136,3	102,9	106,7	148,7
Accommodation	61,4	121,3	116,8	88,5	106,0
Food and beverage service activities	76,7	154,8	89,5	129,8	185,5
Information and communication	221,8	63,1	102,0	141,9	83,4
Publishing, audiovisual and broadcasting activities	100,4	107,8	103,5	134,0	124,8
Telecommunications	261,6	53,8	102,5	142,5	67,3
IT and other information services	139,1	160,2	97,1	149,0	140,5
Financial and insurance activities	82,3	108,3	102,4	130,4	102,8
Real estate activities	82,5	175,2	84,1	114,4	111,7
Professional, scientific and technical activities	117,9	127,4	132,4	107,5	131,4
Legal, accounting, management, architecture, engineering, technical testing and analysis activities	112,5	126,0	119,9	104,0	125,8
Scientific research and development	124,7	104,5	222,1	107,8	162,3
Advertising and market research, other professional, scientific and technical activities, veterinary activities	184,3	175,3	135,5	127,8	120,2
Administrative and support service activities	136,9	145,9	118,7	77,8	137,2
Public administration and defence, compulsory social security	226,2	139,4	144,9	115,3	129,9
Education	152,7	143,8	168,4	108,4	131,6
Human health and social work activities	145,8	198,5	189,5	105,8	146,6
Arts, entertainment and recreation	144,2	77,8	165,9	185,8	117,1
Other services	106,7	119,4	166,6	78,6	114,7

Note. Data for January-December

CAPITAL INVESTMENT

20.6. Capital investment, by type of economic activity in industry

(mln. UAH)

	2010	2015	2016	2017	2018	2019
Industry	56725	87656	117754	143300	199896	254196
Mining and quarrying	15728	18466	22546	35552	53984	68521
Manufacturing	30579	46219	62223	73884	100870	105878
Manufacture of food products, beverages and tobacco products	8665	13548	21291	18927	30213	31889
Manufacture of textiles, apparel, leather and related products	492	987	1796	1882	1846	1492
Manufacture of wood and paper products, and printing	1392	4031	4959	6841	7533	9994
Manufacture of coke, and refined petroleum products	1419	580	759	979	1503	1831
Manufacture of chemicals and chemical products	2492	1680	1708	2981	2792	2488
Manufacture of pharmaceuticals, medicinal chemical and botanical products	566	1623	1598	1879	2433	2425
Manufacture of rubber and plastics products, and other non-metallic mineral products	3856	3818	6255	10440	13132	10873
Manufacture of basic metals and fabricated metal products, except machinery and equipment	6719	12470	14663	17829	26376	31093
Manufacture of computer, electronic and optical products	235	420	537	756	956	657
Manufacture of electrical equipment	669	585	1402	1485	1900	1759
Manufacture of machinery and equipment n.e.c.	1621	1945	2318	3291	4057	3176
Manufacture of transport equipment, trailers, and semitrailers and other	1724	3332	3388	4781	5578	5374
Manufacture of furniture and other manufacturing, and repair and installation of machinery and equipment	729	1200	1549	1813	2551	2827
Electricity, gas, steam and air-conditioning supply	9680	21347	30734	31021	41784	75612
Water supply, sewerage, waste management and remediation	738	1624	2251	2843	3258	4185

CAPITAL INVESTMENT

20.7. Indices for capital investment, by type of economic activity in industry

(percent of the previous year)

	2015	2016	2017	2018	2019
Industry	80,1	118,7	123,4	122,2	134,7
Mining and quarrying	73,9	115,6	151,4	141,5	138,1
Manufacturing	86,3	114,4	129,1	121,1	125,8
Manufacture of food products, beverages and tobacco products	75,9	124,4	107,4	123,6	148,9
Manufacture of textiles, apparel, leather and related products	135,9	167,7	113,8	90,4	76,9
Manufacture of wood and paper products, and printing	150,0	93,6	180,3	104,5	154,0
Manufacture of coke, and refined petroleum products	90,2	100,6	114,3	150,2	167,3
Manufacture of chemicals and chemical products	72,3	83,5	176,9	84,6	99,1
Manufacture of pharmaceuticals, medicinal chemical and botanical products	91,0	94,3	111,9	124,3	112,5
Manufacture of rubber and plastics products, and other non-metallic mineral products	83,1	153,5	150,6	124,7	95,6
Manufacture of basic metals and fabricated metal products, except machinery and equipment	83,5	105,9	126,7	134,6	129,7
Manufacture of computer, electronic and optical products	130,7	152,9	120,7	103,3	86,8
Manufacture of electrical equipment	99,3	136,6	148,1	109,2	101,0
Manufacture of machinery and equipment n.e.c.	74,1	109,4	133,4	123,5	93,9
Manufacture of transport equipment, trailers, and semitrailers and other	107,2	90,1	137,3	119,8	98,6
Manufacture of furniture and other manufacturing, and repair and installation of machinery and equipment	94,3	131,2	145,8	99,5	127,4
Electricity, gas, steam and air-conditioning supply	72,3	129,9	90,8	103,0	157,9
Water supply, sewerage, waste management and remediation	123,2	137,4	129,2	105,8	137,4

Note. Data for January-December

21. TRANSPORT AND COMMUNICATIONS

Freight shipped is the total quantity of goods expressed in tons (gross), shipped.

Freight transported refers to the total freight loaded and shipped by selected type of carrier (trucks, railway coaches, sea and river vessels and aeroplanes) or pipelines. Freight is measured in tons (pumping of gas or ammonia is measured in tons or cubic meters).

Freight turnover is the sum of the weight products transported (relocated) cargo (gross) by the distance of transportation (relocation) for each consignment of cargo (measured in tonne-kilometers).

Passengers carried is the total number of passengers admitted for transport.

Transport passengers is the total number of passengers transported by category of carrier (busses, motor cars, trolley buses, trams, passenger railway coaches, sea and river vessels and airplanes).

Passenger turnover is the sum of the products of the number of passengers carried by the distance of transportation for each trip (measured in passenger-kilometers).

Intracity transport refers to passenger transportation within the boundaries of an inhabited locality.

Commuter transport includes passenger transportation by routes, the length of which does not exceed 50 km regardless of administrative division apart from city routes.

Long-distance transport refers to passenger transportation by routes, the length of which exceed 50 km and which are within boundaries of the Autonomous Republic of Crimea, region (inter-oblast) or are outside the Autonomous Republic of Crimea, region (interregional).

Average distance of transport is defined by dividing freight and passenger traffic by the quantity of shipped freight and transported passengers respectively.

Number of postal items: number of letters, postal cards, postal wrappers, literature for the blind, small packets, certified international mails, parcels, direct postal containers registered and shipped off according to Ukraine's legislation.

TRANSPORT AND COMMUNICATIONS

TRANSPORT

21.1. Freight shipped in 1940–2019, by mode of transport

(mln.t)

	By mode of transport			
	rail ¹	road ²	sea	river
1940	200	187	5,4	4,6
1950	228	366	6,6	4,3
1955	348	687	13,8	9,8
1960	504	1678	20	12,8
1965	663	2362	29	17,4
1970	795	3058	38	27,3
1975	976	4057	46	42,3
1980	981	4392	47	51,3
1985	1024	4727	56	57
1990	974	4897	53	66
1995	360	1816	21	13
2000	357	939	6,3	8,3
2005	450	1121	8	13
2010	433	1168	4	7
2015	350	1021	3	3
2016	343	1086	3	4
2017	339	1122	2	4
2018	322	1206	2	4
2019	313	1147	2	4

¹ According to data from the Joint-stock partnership *Ukrainian rail*. Before 1995, dispatched cargo; since 2000, cargo transportation

² Including shipments for one's own needs. Since 1980, including cargo transportation by pick-ups and vans with car chassis; since 2005, including commercial cargo transportation by natural persons-entrepreneurs

21.2. Freight shipped, by mode of transport

(mln.t)

	2000	2005	2010	2015	2016	2017	2018	2019
Transport	1529	1805	1765	1474	1543	1582	1643	1579
Land	1514	1784	1754	1468	1536	1576	1637	1573
rail ¹	357	450	433	350	343	339	322	313
road ¹	939	1121	1168	1021	1086	1122	1206	1147
pipeline	218	213	153	97	107	115	109	113
Water	15	21	11	6	7	6	6	6
sea	6,3	8	4	3	3	2	2	2
river	8,3	13	7	3	4	4	4	4
Air ²	0,0	0,1	0,1	0,1	0,1	0,1	0,1	0,1

¹ See the relevant footnotes to Table 21.1

² Since 2003, State Aviation Administration of Ukraine

TRANSPORT AND COMMUNICATIONS

21.3. Share of freight shipped, by mode of transport

(percent)

	2000	2005	2010	2015	2016	2017	2018	2019
Transport	100	100	100	100	100	100	100	100
Land	99	99	99	100	100	100	100	100
rail ¹	23	25	24	24	22	22	20	20
road ¹	61	62	66	69	71	71	73	73
pipeline	15	12	9	7	7	7	7	7
Water	1	1	1	0	0	0	0	0
sea	0	0	0	0	0	0	0	0
river	1	1	0	0	0	0	0	0
Air ²	0	0	0	0	0	0	0	0

¹ See the relevant footnotes to Table 21.1

² See the second footnote to Table 21.2

21.4. Volume indices for freight shipped, by mode of transport

(percent of the previous year)

	2000	2005	2010	2015	2016	2017	2018	2019
Transport	99,5	104	109	91	105	103	104	96
Land	99	104	109	91	105	103	104	96
rail ¹	107	97	111	91	98	99	95	97
road ¹	98	109	109	90	106	103	107	95
pipeline	94	96	99	98	110	108	95	103
Water	101	104	113	108	104	88	95	109
sea	98	98	87	117	92	74	84	112
river	103	109	136	100	115	100	102	107
Air ²	206	125	103	88	107	112	120	93

¹ See the relevant footnotes to Table 21.1

² See the second footnote to Table 21.2

TRANSPORT AND COMMUNICATIONS

21.5. Freight traffic in 1940–2019, by mode of transport

(bln.tkm)

	Total	By mode of transport					
		rail ¹	road ²	sea	river	pipeline ³	air ⁴
1940	79,0	71,9	1,7	4,3	1,1	...	0,0
1950	97,4	85,0	3,6	7,7	1,1	...	0,0
1955	163,8	141,6	7,3	11,7	3,2	...	0,0
1960	269,0	216,4	17,7	30,7	4,1	0,1	0,0
1965	410,4	292,8	27,4	80,1	4,5	5,5	0,1
1970	611,6	380,2	41,6	172,3	6,1	11,2	0,2
1975	743,2	458,9	58,6	192,7	8,9	23,9	0,2
1980	839,6	469,6	70,1	168,8	10,7	120,2	0,2
1985	985,6	497,9	71,8	248,3	12,2	155,2	0,2
1990	1039,3	474,0	79,7	265,6	11,9	208,0	0,1
1995	544,0	195,8	34,5	123,1	5,7	184,9	0,0
2000	394,1	172,8	19,3	8,6	5,9	187,5	0,0
2005	473,6	224,0	35,3	9,6	6,3	198,1	0,3
2010	418,7	218,1	53,9	5,2	3,8	137,3	0,4
2015	334,7	195,1	53,3	3,9	1,6	80,7	0,2
2016	344,2	187,6	58,0	2,5	1,5	94,4	0,2
2017	364,2	191,9	62,3	2,9	1,4	105,4	0,3
2018	361,3	186,3	72,1	1,8	1,6	99,2	0,3
2019	355,0	181,8	65,0	1,8	1,6	104,5	0,3

¹ According to data from the Joint-stock partnership *Ukrainian rail*

² See the second footnote to Table 21.1

³ Prior to 1980, oil and oil products including oil pipeline *Druzhba*

⁴ See the second footnote to Table 21.2

TRANSPORT AND COMMUNICATIONS

21.6. Freight traffic, by mode of transport

(bln.tkm)

	2000	2005	2010	2015	2016	2017	2018	2019
Transport	394,1	473,6	418,7	334,7	344,2	364,2	361,3	355,0
Land	379,6	457,4	409,3	329,1	340,0	359,6	357,6	351,3
rail ¹	172,8	224,0	218,1	195,1	187,6	191,9	186,3	181,8
road ²	19,3	35,3	53,9	53,3	58,0	62,3	72,1	65,0
pipeline	187,5	198,1	137,3	80,7	94,4	105,4	99,2	104,5
Water	14,5	15,9	9,0	5,4	4,0	4,3	3,4	3,4
sea	8,6	9,6	5,2	3,9	2,5	2,9	1,8	1,8
river	5,9	6,3	3,8	1,6	1,5	1,4	1,6	1,6
Air ³	0,0	0,3	0,4	0,2	0,2	0,3	0,3	0,3

¹ See the first footnote to Table 21.5

² See the second footnote to Table 21.1

³ See the second footnote to Table 21.2

21.7. Distribution of freight traffic, by mode of transport

(percent)

	2000	2005	2010	2015	2016	2017	2018	2019
Transport	100	100	100	100	100	100	100	100
Land	97	97	98	98	99	99	99	99
rail ¹	44	47	52	58	55	53	52	51
road ²	5	7	13	16	17	17	20	18
pipeline	48	42	33	24	27	29	27	30
Water	3	3	2	2	1	1	1	1
sea	2	2	1	1	1	1	1	0,5
river	1	1	1	0,5	0,4	0,4	0,4	0,5
Air ³	0	0,1	0,1	0,1	0,1	0,1	0,1	0,1

¹ See the first footnote to Table 21.5

² See the second footnote to Table 21.1

³ See the second footnote to Table 21.2

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21.8. Freight shipped, by rail of general use¹

(mln.t)

	2000	2005	2010	2015	2016	2017	2018	2019
Total shipment	357	450	433	350	343	339	322	313
coal	98	120	118	73	73	67	65	59
coke	11	11	11	8	8	6	6	5
oil and oil products	27	27	31	17	15	14	12	12
ferrous metals (including scrap)	45	49	40	29	29	26	25	24
timber	3	5	5	5	4	4	3	1
grains, cereals and flour	6	13	13	29	32	37	34	40
ore	65	80	82	85	77	70	71	75
cement	4	9	6	6	6	6	6	6
chemical and mineral fertilisers	10	12	12	10	11	12	9	9
other freight	88	124	115	88	88	97	91	82

¹ See the first footnote to Table 21.1

21.9. Freight shipped, by river

(thsd.t)

	2000	2005	2010	2015	2016	2017	2018	2019
Total shipment	8350	12869	6989	3156	3642	3640	3698	3990
By type of freight								
oil and oil products	—	27	3	—	—	1	0	—
coal	245	1210	618	86	123	163	144	53
coke	240	160	296	36	46	23	10	1
all kind of ores	1594	3086	2250	465	593	343	524	642
construction	3791	5891	3027	1174	1299	1576	1462	1863
chemical and mineral fertilisers	116	206	89	166	125	158	188	145
timber	9	4	—	4	31	1	—	1
paper	4	31	6	3	3	—	1	2
all kind of metals	1599	795	189	481	512	300	382	408
machines and equipment	48	38	26	—	0	1	0	1
sugar	11	43	1	—	—	—	14	10
grains, cereals and flour	211	920	287	561	491	377	419	451
cotton, flax	4	—	—	—	—	—	—	—
freight in containers	26	—	3	1	—	—	—	—
other freight	452	458	194	179	419	697	554	413
By type of communication route								
international	4314	5828	3322	1189	1398	1205	1240	1422
coastal	4036	7041	3667	1967	2244	2435	2458	2568

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21.10. Freight shipped, by sea

(thsd.t)

	2000	2005	2010	2015	2016	2017	2018	2019
Total shipment	6316	8575	4068	3292	3033	2253	1892	2120
By type of freight								
oil and oil products	344	10	249	71	53	32	30	30
coal	271	99	45	28	—	—	—	5
coke	89	37	—	6	27	34	23	18
all kind of ores	1038	758	206	892	725	272	38	58
construction	965	1812	704	110	68	95	71	96
chemical and mineral fertilisers	201	211	46	32	17	10	12	9
timber	262	259	30	7	55	4	6	2
paper	97	25	0	3	—	—	3	7
all kind of metals	1003	2038	535	1170	1077	1063	1006	1030
grains, cereals and flour	247	1062	656	110	100	204	473	587
freight in containers	733	781	92	30	38	8	0	—
other freight	1066	1483	1505	833	873	531	230	278
By type of communication routes								
international	5241	6334	2959	2046	1903	1408	1207	1089
coastal	1075	2241	1109	1246	1130	845	685	1031

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21.11. Freight shipped by road, by region¹

(mln.t)

	2000	2005	2010	2015	2016	2017	2018	2019
Ukraine	938,9	1120,8	1168,2	1020,6	1085,7	1121,7	1205,5	1147,0
Autonomous Republic of Crimea	17,0	20,1	22,4	...	...	...	...	...
oblasts								
Vinnnytsya	28,3	26,9	30,1	30,0	28,9	27,8	29,2	30,0
Volyn	7,6	10,3	10,1	10,6	12,5	13,0	13,4	13,1
Dnipropetrovsk	234,9	303,7	359,2	300,4	284,2	328,1	324,4	336,6
Donetsk	125,3	170,5	149,8	77,0	118,6	105,1	112,7	92,5
Zhytomyr	29,3	35,0	40,1	52,1	39,9	43,4	43,3	39,0
Zakarpattya	10,8	13,7	11,9	9,1	9,2	8,7	8,8	9,8
Zaporizhzhya	40,0	46,3	64,9	28,5	29,0	30,4	30,7	30,7
Ivano-Frankivsk	13,1	10,0	9,1	14,3	15,7	20,2	12,0	14,1
Kyiv	36,3	33,5	41,0	40,6	48,2	48,9	56,3	51,5
Kirovohrad	16,3	25,1	28,1	43,8	38,8	45,8	49,2	38,5
Luhansk	26,1	31,8	24,3	27,3	16,1	4,9	4,7	4,8
Lviv	29,6	20,3	19,5	20,6	21,5	23,2	25,8	24,4
Mykolayiv	13,6	30,8	21,9	19,5	23,0	20,5	21,3	20,6
Odesa	24,9	23,0	26,3	22,2	22,6	24,1	29,0	28,8
Poltava	95,3	108,9	142,1	161,4	193,0	173,0	171,8	160,1
Rivne	15,5	18,4	13,7	12,5	14,8	19,2	17,1	19,5
Sumy	19,4	13,4	10,8	11,6	11,6	12,6	12,7	12,4
Ternopil	13,0	9,5	9,6	13,8	14,7	16,7	18,4	16,2
Kharkiv	27,8	36,5	28,8	28,3	29,7	32,4	32,8	29,6
Kherson	13,2	11,4	13,6	10,9	11,1	13,4	14,0	15,0
Khmelnyskiy	25,3	24,6	21,4	27,6	29,7	32,2	33,5	30,4
Cherkasy	33,9	46,7	24,1	25,0	31,9	30,1	42,7	34,6
Chernivtsi	5,7	8,3	7,2	4,7	5,3	6,9	7,0	7,4
Chernihiv	13,2	15,0	12,4	10,3	11,9	11,7	11,9	12,5
cities								
Kyiv	16,4	17,8	19,0	18,5	23,8	29,4	82,8	74,9
Sevastopol	7,1	9,3	6,8

¹ See the second footnote to Table 21.1

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21.12. Road freight traffic, by region¹

(mln.tkm)

	2000	2005	2010	2015	2016	2017	2018	2019
Ukraine	19281,6	35244,0	53918,4	53293,4	58029,8	62296,8	72068,3	64952,9
Autonomous Republic of Crimea	489,2	737,4	895,9	...	...	...	...	...
oblasts								
Vinnitsya	582,2	1034,5	1532,8	1650,9	1813,6	1672,7	1783,1	1817,8
Volyn	321,3	998,3	1690,5	1838,4	2108,6	2401,7	2770,3	2966,5
Dnipropetrovsk	1389,7	2180,6	3587,1	3641,6	4421,4	4815,6	5138,0	4888,4
Donetsk	1301,9	2202,4	2897,1	2238,3	2230,5	2367,3	2125,6	1073,1
Zhytomyr	482,2	724,4	1038,1	1014,6	1035,6	990,9	1117,7	1124,6
Zakarpattia	423,5	1755,5	2754,3	4676,1	4862,6	5285,6	5073,1	5002,1
Zaporizhzhya	2838,9	2912,1	1758,7	1278,4	1384,3	1522,8	1499,6	1532,0
Ivano-Frankivsk	327,5	520,8	1477,4	1507,5	1649,4	1690,9	1486,4	1488,3
Kyiv	1103,2	2402,5	4147,4	3424,2	3854,6	4191,6	6349,2	4253,8
Kirovohrad	263,2	561,5	1083,1	1738,8	1195,0	1470,5	1582,1	1142,1
Luhansk	887,5	1697,5	2706,3	1203,6	860,1	477,2	482,5	651,4
Lviv	1748,8	1911,3	3878,0	4344,8	4511,1	4604,1	5317,6	5150,1
Mykolayiv	272,8	848,3	1393,4	1268,7	1406,7	1466,5	1656,8	1785,5
Odesa	623,5	1264,0	2531,0	2776,8	2796,2	2886,9	3828,8	3693,5
Poltava	866,2	1611,0	2776,7	3158,6	3530,6	2563,0	2732,8	2326,7
Rivne	434,1	939,5	1518,4	1247,7	1732,7	2270,0	2154,8	2055,8
Sumy	490,2	603,0	670,0	651,2	666,2	765,8	890,3	1175,1
Ternopil	308,6	551,8	1034,6	1123,0	1317,7	1321,9	1381,1	1229,7
Kharkiv	611,0	1778,6	3156,5	2653,1	3770,2	4478,3	4553,9	3783,4
Kherson	282,9	638,6	1139,1	1269,1	1266,7	1353,5	1371,0	1375,7
Khmelnyskiy	587,3	1248,7	2044,8	2344,7	2241,0	2151,3	2103,0	2049,3
Cherkasy	661,3	1194,2	1675,3	2599,8	2013,2	3074,6	3480,9	2270,9
Chernivtsi	193,6	372,6	1026,7	1035,1	1128,8	1272,3	1425,5	1561,4
Chernihiv	288,0	773,1	1201,2	719,4	1087,0	1173,8	1272,3	1347,3
cities								
Kyiv	1434,9	3657,8	4130,2	3889,0	5146,0	6028,0	10491,9	9208,4
Sevastopol	68,1	124,0	173,8	...	...	...	...	...

¹ See the second footnote to Table 21.1

TRANSPORT AND COMMUNICATIONS

21.13. Passenger transportation by mode of transport in 1940–2019

(mln.)

	By mode of transport							
	rail ¹	bus ²	sea	river	air ³	tram	trolley-bus	subway
1940	243	29	...	7	0,0	1489	30	—
1950	216	59	5,3	4,4	0,3	873	162	—
1955	330	495	10,5	12	0,3	1304	340	—
1960	373	1408	14	15	2	1736	592	5
1965	435	2885	18	19	5,4	1913	1002	60,4
1970	506	5061	20	21,4	10	1785	1536	127
1975	616	7089	29	28	13	1775	2015	236
1980	649	7801	28	25	12,5	1774	2368	430
1985	695	8077	29	24	13	1670	2477	603
1990	669	8331	26	19	15	2007	3232	678
1995	577	3483	8	4	2	822	1359	561
2000	499	2557	4	2	1	1381	2582	754
2005	445	3837	11	2	4	1111	1903	887
2010	427	3726	7	1	6	714	1204	760
2015	390	2250	0	1	6	739	1081	700
2016	389	2025	0	1	8	694	1039	698
2017	165	2019	0	1	10	676	1058	719
2018	158	1907	0	1	12	666	1016	727
2019	155	1805	0	1	14	627	945	715

¹ Number of the passengers shipped according to data from the Joint-stock partnership *Ukrainian rail*. Since 2010, including passengers transported by city rail. Since 2017, the Joint-stock partnership *Ukrzaliznyhya* changed the procedure for accounting the transportation of passengers by rail of suburban service who make use of benefits for free travel

² Since 1999, including automobile passenger transportation by small businesses (natural and legal persons)

³ See the second footnote to Table 21.2

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21.14. Passenger transportation by mode of transport

(mln.)

	2000	2005	2010	2015	2016	2017	2018	2019
Transport	7780	8200	6845	5167	4854	4648	4487	4262
Land	7773	8183	6831	5160	4845	4637	4474	4247
rail ¹	499	445	427	390	389	165	158	155
bus ²	2557	3837	3726	2250	2025	2019	1907	1805
tram	1381	1111	714	739	694	676	666	627
trolley-bus	2582	1903	1204	1081	1039	1058	1016	945
subway	754	887	760	700	698	719	727	715
Water	6	13	8	1	1	1	1	1
sea	4	11	7	0	0	0	0	0
river	2	2	1	1	1	1	1	1
Air ³	1	4	6	6	8	10	12	14

¹ See the first footnote to Table 21.13

² See the second footnote to Table 21.13

³ See the second footnote to Table 21.2

In 2019, automobile transportation of passengers by small businesses amounted to 610,6 mln. passengers.

21.15. Indices of the number of passengers transported by mode of transport

(percent of the previous year)

	2000	2005	2010	2015	2016	2017	2018	2019
Transport	98	103	94	88	94	100	97	95
Land	98	103	94	88	94	100	96	95
rail ¹	102	99	100	100	99,8	98	96	98
bus ²	102	103	93	77	90	99,7	94	95
tram	95	100	91	96	94	97	99	94
trolley-bus	94	103	94	99	96	102	96	93
subway	104	105	101	96	99,7	103	101	98
Water	111	115	99	97	83	124	113	101
sea	122	117	107	87	119	94	251	110
river	95	105	65	97	81	126	106	100
Air ³	107	118	119	97	131	128	119	109

¹ See the first footnote to Table 21.13. To make the correct comparisons of data for 2016 and 2017, data for 2016 have been re-calculated according to the procedure for accounting the transportation of passengers by rail of suburban service who enjoy the benefits for free travel

² See the second footnote to Table 21.13

³ See the second footnote to Table 21.2

TRANSPORT AND COMMUNICATIONS

**21.16. Passenger traffic in 1940–2019, by mode of transport
(excluding urban electric transport)**

(bln. passenger.km)

	Total	By mode of transport				
		rail ¹	bus ²	sea	river	air ³
1940	...	16,4	0,3	...	0,4	0,0
1950	14,3	13,5	0,4	0,1	0,2	0,1
1955	24,9	21,1	3,0	0,3	0,3	0,2
1960	37,9	26,5	10,0	0,4	0,3	0,7
1965	60,6	32,2	24,1	0,7	0,4	3,2
1970	96,1	42,1	46,6	0,8	0,5	6,1
1975	133,0	53,2	69,1	1,0	0,6	9,1
1980	154,6	60,1	81,7	1,3	0,6	10,9
1985	168,2	67,0	86,7	1,4	0,6	12,5
1990	184,1	76,0	90,3	1,1	0,6	16,1
1995	102,5	63,8	34,8	0,5	0,1	3,3
2000	82,4	51,8	28,8	0,1	0,0	1,7
2005	111,4	52,7	52,5	0,1	0,0	6,1
2010	113,3	50,2	52,0	0,1	0,0	11,0
2015	81,3	35,4	34,6	0,0	0,0	11,4
2016	86,9	36,8	34,6	0,0	0,0	15,5
2017	84,0	28,1	35,5	0,0	0,0	20,4
2018	89,2	28,7	34,6	0,0	0,0	25,9
2019	92,6	28,4	33,9	0,0	0,0	30,3

¹ See the first footnote to Table 21.13

² See the second footnote to Table 21.13

³ See the second footnote to Table 21.2

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21.17. Passenger turnover by mode of transport

(bln. passenger.km)

	2000	2005	2010	2015	2016	2017	2018	2019
Transport	113,1	135,8	130,0	97,0	102,2	99,4	104,4	107,2
Land	111,3	129,6	118,9	85,6	86,7	79,0	78,5	76,9
rail ¹	51,8	52,7	50,2	35,4	36,8	28,1	28,7	28,4
bus ²	28,8	52,5	52,0	34,6	34,6	35,5	34,6	33,9
tram	9,0	6,5	4,0	4,2	4,0	3,9	3,9	3,7
trolley-bus	16,8	11,2	6,9	6,1	5,9	6,0	5,8	5,4
subway	4,9	6,7	5,8	5,4	5,4	5,5	5,5	5,5
Water	0,1	0,1	0,1	0,0	0,0	0,0	0,0	0,0
sea	0,1	0,1	0,1	0,0	0,0	0,0	0,0	0,0
river	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
Air ³	1,7	6,1	11,0	11,4	15,5	20,4	25,9	30,3

¹ See the first footnote to Table 21.13

² See the second footnote to Table 21.13

³ See the second footnote to Table 21.2

21.18. Passenger transportation by type of traffic by selected mode of transport

(mln.)

	2000	2005	2010	2015	2016	2017	2018	2019
Intercity transportation	154	226	227	170	175	182	181	184
rail (long distance) ¹	45	60	62	40	43	46	47	46
sea (including commuter)	4	11	7	0	0	0	0	0
air ²	1	4	6	6	8	10	12	14
bus (including international connection) ³	97	144	148	124	124	126	122	124
trolley-bus	7	7	4	...	...	...	...	...
Intracity transportation	6452	6860	5597	4186	3925	3954	3845	3655
bus ³	1742	2966	2923	1666	1494	1501	1436	1368
trolley-bus	2575	1896	1200	1081	1039	1058	1016	945
tram	1381	1111	714	739	694	676	666	627
subway	754	887	760	700	698	719	727	715
Commuter transportation	1174	1114	1021	811	754	512	461	423
rail ⁴	454	385	365	350	346	119	111	109
river	2	2	1	1	1	1	1	1
bus ³	718	727	655	460	407	392	349	313

¹ See the first footnote to Table 21.5

² See the second footnote to Table 21.2

³ See the second footnote to Table 21.13

⁴ See the first footnote to Table 21.13

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21.19. Rolling stock, by mode of transport and purpose

(end of year; units)

	2000	2005	2010	2015	2016	2017	2018	2019
Rail transport¹								
diesel locomotive ²	2741	2572	2539	2151	2151	1924	1944	1986
electric locomotives ²	1796	1797	1861	1720	1720	1627	1627	1628
steam locomotives ²	140	66	51	24	24	23	22	22
freight stock ³ , thsd.	185,7	150,3	120,6	107,9 ⁴	104,2 ⁴	104,1 ⁴	106,4 ⁴	105,8 ⁴
passenger stock ⁵ , thsd.	9,0	7,9	7,3	5,2	4,5	4,5	4,3	4,0
River boats⁶	2025	1962	2064	1321	1312	1401	×	×
Sea crafts⁶	878	1177	1084	2485	2491	3334	×	×
Electric transport								
trolley-bus	5313	4554	3710	2792	2856	2730	2670	2744
tram-cars	3459	2905	2522	1961	1988	1971	1967	1933
transit vehicles	925	993	1119	1195	1195	1192	1192	1192
Airplanes and helicopters	954	659	395	196	208	200	205	205

¹ See the first footnote to Table 21.5

² Since 2014, excluding the temporarily occupied territory of the Autonomous Republic of Crimea and the city of Sevastopol, since 2017 also excluding a part of the temporarily occupied territories in the Donetsk and Luhansk regions

³ The inventory number of the joint-stock company *Ukrainian rail* freight wagons, since 2012 including the number of the own wagons that belong to enterprises directly subordinated to the joint-stock company *Ukrainian rail*

⁴ Taking into account the temporarily occupied territory of the Autonomous Republic of Crimea, the city of Sevastopol and a part of the temporarily occupied territories in the Donetsk and Luhansk regions

⁵ Since 2014, excluding the temporarily occupied territory of the Autonomous Republic of Crimea and the city of Sevastopol, since 2016 also excluding a part of the temporarily occupied territories in the Donetsk and Luhansk regions

⁶ Vessels of enterprises functioning in all economic industries, since 2005 include vessels which are not fit for service. Data on the availability of river and sea transport for 2010 – data for 2008, for 2014/2015 – river transport according to data from the *State Inspection of Ukraine on safety in maritime and river transport, sea transport* – according to data from the *State Inspection of Ukraine on safety in maritime and river transport* and the *State Agency for Fisheries of Ukraine*, for 2016/2017 – river transport according to data from the *State Service of Ukraine on Transport Safety*, sea transport according to data from the *State Service of Ukraine on Transport Safety* and the *State Agency for Fisheries of Ukraine*

According to data from the State Service of Sea and River Transport of Ukraine, at the end of 2019 the State Vessels Register of Ukraine registered 694 vessels are sea vessels, 1284 vessels are river vessels, 184 vessels are vessels of combine navigation area, 9594 vessels are leisure boats with the engine turning up 75 horsepower and more. At the end of 2019 in Ukraine's Vessel Book, over 109,6 thsd. leisure boats with engine turning up to 75 horsepower are registered.

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ROADS

21.20. Length of transport network in 1940–2019

(thsd.km)

	Operational length of public railroads ¹		Operational length of public navigable river routes ²		Operational length of public automobile roads ³	
	total	including electrified tracks	total	including those with illuminant and light-reflecting road signs ⁴	total	including with hard coating
1940	20,1	0,2	3,2	2,8	270,7	29,3
1950	20,2	0,2	4,8	2,3	275,0	33,5
1955	20,4	0,3	5,4	2,3	268,2	37,6
1960	21,1	1,5	4,8	3,0	236,2	47,4
1965	21,7	3,6	4,9	2,9	236,1	67,2
1970	22,1	5,3	4,8	4,0	223,5	90,8
1975	22,3	6,6	4,5	3,9	173,8	116,7
1980	22,6	7,1	4,9	4,3	163,2	133,7
1985	22,7	7,6	4,9	4,3	162,3	145,2
1990	22,8	8,1	4,0	3,6	167,8	157,2
1995	22,8	8,5	3,7	1,7	172,3	163,3
2000	22,3	9,1	2,4	0,5	169,5	163,8
2005	22,0	9,4	2,2	1,1	169,3	165,0
2010	21,7	9,9	2,2	1,1	169,5	165,8
2015	21,0	10,0	1,6	0,7	163,0	159,4
2016	21,0	10,0	1,6	0,7	163,0	159,5
2017	19,8	9,3	2,1	0,7	163,1	159,6
2018	19,8	9,3	1,9	0,7	161,9	158,5
2019	19,8	9,3	1,9	0,7	161,9	158,4

¹ See the first footnote to Table 21.5 and second footnote to Table 21.19

² For 2011–2016, according to data from the state enterprise *Ukrainian Waters Ways* and the *State Hydrographic Service of Ukraine*, since 2017 – according to data from the *State Hydrographic Service of Ukraine*

³ According to data from the *State Highway Service of Ukraine*(Ukravtodor), since 2014 – excluding the temporarily occupied territories of the Autonomous Republic of Crimea and the city of Sevastopol. Since 2018, according to data from the Ukravtodor and regional state administrations, also excluding the temporarily occupied territories of the Luhansk region with regard to local highways

⁴ Prior to 1980, with illuminant signs; since 1985, with illuminant and light-reflecting road signs

TRANSPORT AND COMMUNICATIONS

21.21. Operational length of transport network

(thsd.km)

	2000	2005	2010	2015	2016	2017	2018	2019
Public railroads ¹	22,3	22,0	21,7	21,0	21,0	19,8	19,8	19,8
Public navigable river routes ²	2,4	2,2	2,2	1,6	1,6	2,1	1,9	1,9
Public automobile roads ³	169,5	169,3	169,5	163,0	163,0	163,1	161,9	161,9
including with hard coating	163,8	165,0	165,8	159,4	159,5	159,6	158,5	158,4
Trolley-bus routes (single-track)	4,3	4,4	4,4	3,3	3,3	3,4	3,4	3,4
Tram routes (single-track railroads)	2,1	2,1	2,0	1,6	1,6	1,6	1,5	1,5
Subways (double-track railroads), km	91,7	101,5	108,4	112,3	113,4	113,4	113,4	113,4

¹ See the first footnote to Table 21.20

² See the second footnote to Table 21.20

³ See the third footnote to Table 21.20

21.22. Average distance of freight transport, by mode

(km)

	2000	2005	2010	2015	2016	2017	2018	2019
Rail ¹	484	497	504	557	546	565	578	581
Sea	1362	1120	1271	1173	837	1264	963	837
River	706	491	549	498	402	391	417	406
Road	21	31	46	52	53	56	60	57
Pipeline	859	932	895	830	884	918	907	928

¹ See the first footnote to Table 21.5

TRANSPORT AND COMMUNICATIONS

21.23. Average distance of passenger transport, by mode

(km)

	2000	2005	2010	2015	2016	2017	2018	2019
Rail ¹	104	118	118	91	95	170	182	184
Sea	15	6	8	559	589	377	29	16
River	12	24	42	15	28	35	43	41
Air	1489	1608	1794	1803	1876	1928	2066	2206
Bus	11	14	14	15	17	18	18	19
Trolley-bus	7	6	6	6	6	6	6	6
Tram	7	6	6	6	6	6	6	6
Subway	7	8	8	8	8	8	8	8

¹ See the first footnote to Table 21.13

COMMUNICATIONS

21.24. Volume of the sold services in the sphere of telecommunication and mail communications

(at current prices including VAT; mln. UAH)

	2000	2005	2010	2015	2016	2017	2018	2019
Total	6861	27411	47417	55896	61921	65488	72586	71599
by type of communication								
post and courier activity	519	1340	3248	4030	4823	4839	5944	6539
fixed telephone connection	4570	9402	8196	7845	6518	6047	5651	4560
mobile (mobile) communication	1275	14476	28835	33206	34077	35217	38521	37595
broadcasting, retransmission of TV and radio programs, maintenance and operation of equipment in broadcasting networks, radio communication	160	673	1917	2431	2769	3045	3323	3358
of which cable TV	...	...	1356	1545	1630	1834	2077	2371
internet services	151	1009	4237	7144	9112	10818	12273	13727
other type of communication	186	511	984	1240	4622	5522	6874	5820

TRANSPORT AND COMMUNICATIONS

21.25. Volume of services sold to population in the sphere of telecommunication and mail communications

(at current prices including VAT; mln. UAH)

	2000	2005	2010	2015	2016	2017	2018	2019
Total	3115	10980	18015	31887	33926	38023	42866	45042
by type of communication								
post and courier activity	150	325	585	1042	1045	1334	1717	1880
fixed telephone connection	2281	4570	4523	3340	3225	3030	2744	2048
mobile (mobile) communication	533	5483	9109	21673	21029	23444	26607	28216
broadcasting, retransmission of TV and radio programs, maintenance and operation of equipment in broadcasting networks, radio communication	68	406	1341	1508	1858	2102	2359	2606
of which cable TV	...	...	1328	1501	1589	1792	2028	2303
internet services	17	144	2277	4126	6477	7419	8824	10075
other type of communication	66	52	180	198	292	694	615	217

21.26. Number of postal items in 2000–2018

	2000	2005	2010	2015	2016	2017	2018
Dispatched, mln.							
newspapers and magazines	1250	1454	1089	...	541	486	421
letters	299	381	311	190	368	355	355
telegrams	12	6	2	1	0,3	0,2	0,2
parcels	5	10	18	21	29	84	41
money transfers and pension payments	224	178	149	84	81	79	70
Per capita of present population dispatched, units							
letters	6	8	7	4	9	8	8
telegrams	0,2	0,1	0,04	0,01	0,01	0,01	0,01
parcels	0,1	0,2	0,4	0,5	0,7	2	1

21.27. Number of postal items in 2019

(thsd)

	Number of postal items received for forwarding (delivery)	
	total	of which are international
Letters, postcards, parcels	259285	47337
Parcels	37542	5911
Sending for the blind	31	0,025
Shippments with declared value (international)	19003	16647
Bads "M"	61	21

22. FOREIGN ECONOMIC ACTIVITY

Statistics of **foreign trade in goods** are compiled on the basis of the information of the State Customs Service of Ukraine adjusted for the total amount of oil and natural gas, fish caught in international waters and goods purchased in foreign ports. The data on exports in goods are recorded by country of destination whereas the data on imports by country of origin.

Country of destination refers to the country identified at the moment of loading as the final country to which goods are to be delivered.

The country where goods were produced or processed is considered the **country of origin**.

The goods are valued in national currency. Conversions into USD are made according to the date the customs

declaration was completed and the official exchange rate of the National Bank of Ukraine (NBU) fixed for that particular date. According to enterprise reports, conversions into the USD are made according to the monthly and quarterly average exchange rates.

Statistical information about **foreign trade in services** is compiled using data from enterprises-legal persons, permanent missions of non-residents to Ukraine, central and local bodies of executive power, chief controllers of the state and local budgets who effected exports/imports operations of services.

Services are valued using the contract currency. Conversions into USD and national currency are made using the official average quarterly exchange rate set on the basis of the NBU daily exchange rates.

22.1. Foreign trade in goods, by country

(mln. USD)

	Exports				Imports			
	2005	2010	2015	2019	2005	2010	2015	2019
Total	34228,4	51405,2	38127,1	50054,6	36136,3	60742,2	37516,4	60800,2
including								
Australia	9,6	23,6	10,7	43,5	85,3	246,6	159,3	99,5
Austria	317,3	508,0	347,2	598,3	458,4	697,6	369,6	657,0
Azerbaijan	290,5	610,8	318,8	400,5	27,8	951,2	30,3	379,2
Algeria	617,2	159,3	205,6	584,3	4,9	4,9	17,1	13,4
Argentina	15,9	39,8	9,6	5,8	38,5	106,1	52,6	55,8
Bangladesh	18,4	112,7	207,0	442,7	2,1	17,8	54,0	96,4
Belgium	197,6	356,9	296,8	680,7	314,0	588,3	366,8	549,5
Belarus	891,1	1899,2	870,7	1549,8	939,8	2567,6	2449,1	3751,9

FOREIGN ECONOMIC ACTIVITY

Table 22.1 continued

	Exports				Imports			
	2005	2010	2015	2019	2005	2010	2015	2019
Bulgaria	543,0	450,6	419,5	482,2	108,7	218,0	253,1	459,3
Brazil	110,0	359,9	33,5	74,0	312,5	459,7	166,1	218,3
Viet Nam	145,3	136,7	87,0	95,5	41,3	117,6	252,0	430,5
Armenia	97,3	201,3	101,6	131,1	13,2	17,9	7,4	20,1
Ghana	24,4	57,5	37,5	79,5	55,5	209,4	104,2	197,8
Guinea	10,0	13,6	13,3	12,7	115,9	106,1	114,1	118,5
Hong Kong, Special administrative region of China	5,0	26,3	15,4	62,8	10,3	30,6	12,2	87,7
Greece	137,4	164,0	153,8	274,2	67,7	104,1	238,6	311,6
Georgia	199,5	527,5	402,7	392,6	41,0	136,1	61,8	182,0
Denmark	106,7	124,5	144,7	254,7	176,0	240,5	147,6	274,2
Ecuador	34,3	11,8	1,8	5,3	66,3	161,2	119,4	86,5
Estonia	125,1	106,3	66,2	139,9	102,6	123,4	77,5	144,4
Ethiopia	39,7	65,9	138,0	170,3	0,1	1,0	1,4	4,2
Egypt	798,8	1328,0	2079,8	2254,1	37,1	84,2	55,6	113,1
Israel	290,7	467,6	597,1	620,1	63,0	91,5	169,9	206,7
India	736,9	1426,0	1444,1	2024,1	321,3	680,7	443,7	741,4
Indonesia	216,4	352,6	185,9	735,2	124,0	408,6	168,8	295,8
Iraq	77,6	345,0	472,5	584,4	0,2	0,5	0,0	0,1
Iran (Islamic Republic of)	576,9	1030,7	533,6	214,7	18,2	49,9	30,5	49,0
Ireland	6,7	4,5	59,2	153,2	45,2	112,1	75,4	169,6
Spain	573,5	411,7	1043,6	1500,8	233,5	468,6	440,8	844,2
Italy	1892,6	2412,4	1979,8	2418,9	1030,2	1390,3	976,3	2074,8
Jordan	182,1	518,5	135,8	167,9	10,8	21,1	4,8	19,7
Kazakhstan	667,1	1300,4	712,7	367,0	186,4	766,2	377,6	450,4
Canada	90,1	73,3	30,2	85,5	87,0	160,2	206,3	194,7
China	711,1	1316,6	2399,1	3593,1	1810,5	4700,4	3771,0	9204,8
Cote d'Ivoire	12,1	44,6	23,8	47,7	40,9	135,4	39,6	72,3
Latvia	311,4	180,2	150,3	300,1	64,5	88,1	87,1	166,5
Lithuania	209,3	264,4	236,3	410,8	200,0	637,5	552,6	1144,5
Lebanon	102,4	1031,9	300,1	372,1	2,0	4,2	1,3	3,1
Libya	63,6	201,5	182,7	316,9	1,1	0,3	0,0	3,1
Malaysia	26,1	96,9	159,6	181,6	161,6	171,0	132,1	230,3

FOREIGN ECONOMIC ACTIVITY

Table 22.1 continued

	Exports				Imports			
	2005	2010	2015	2019	2005	2010	2015	2019
Morocco	128,4	103,5	212,5	294,1	5,1	9,2	28,5	100,5
Mexico	116,9	200,1	118,2	129,0	8,5	63,4	61,7	179,7
Nigeria	212,3	245,3	120,9	160,4	1,9	13,6	2,3	3,0
Netherlands	515,3	563,2	905,7	1848,4	464,1	837,9	452,6	765,1
Germany	1285,2	1499,5	1328,7	2383,0	3383,8	4605,3	3975,6	5986,9
Norway	46,9	84,1	12,8	26,9	128,3	261,3	741,7	265,2
United Arab Emirates	345,2	275,2	301,8	525,9	10,4	50,9	57,6	80,5
Poland	1010,4	1787,2	1977,3	3295,8	1405,9	2788,8	2324,0	4109,1
Portugal	19,9	121,8	320,5	282,2	27,9	51,5	45,2	74,8
Korea, Republic of	202,2	498,0	395,4	375,9	648,5	786,0	256,4	455,9
Moldova, Republic of	678,6	713,5	524,3	726,6	84,2	73,6	41,2	91,3
Russian Federation	7490,1	13428,1	4827,7	3242,8	12842,5	22198,0	7492,7	6985,0
Romania	488,8	705,8	569,9	1005,6	211,8	682,2	318,2	645,5
Saudi Arabia	386,5	644,5	761,6	744,4	3,0	37,4	145,0	174,9
Serbia	—	199,0	105,9	257,4	—	75,7	83,3	173,7
Singapore	489,6	147,2	5,2	188,5	18,3	23,9	21,3	38,3
Slovakia	507,7	568,2	468,5	709,6	304,0	442,6	346,3	651,8
Slovenia	32,5	11,6	16,3	38,9	125,0	212,6	128,9	245,0
United Kingdom of Great Britain and Northern Ireland	358,2	506,5	367,9	628,1	502,7	821,0	570,1	769,9
USA	956,5	807,3	481,8	978,6	710,0	1766,8	1480,7	3284,4
Thailand	141,8	432,6	334,9	322,1	58,0	162,8	120,6	217,9
Taiwan, Province of China	134,5	80,0	41,5	61,2	96,7	141,2	141,3	248,8
Tunisia	183,7	232,0	333,5	362,6	0,6	3,6	8,5	19,0
Turkey	2026,7	3024,0	2771,8	2619,0	607,7	1298,3	851,7	2355,4
Turkmenistan	187,2	208,9	170,3	54,9	2678,1	31,4	16,3	83,0
Hungary	688,8	860,1	909,7	1562,8	647,7	1214,6	1608,5	1251,1
Uzbekistan	150,6	228,5	174,5	215,8	205,3	81,7	62,3	112,7
Philippines	132,6	31,6	107,4	206,9	5,6	23,0	17,4	52,6
Finland	28,7	34,1	48,0	46,2	351,1	429,8	223,0	275,3
France	199,9	476,9	497,9	596,5	798,9	1106,7	892,8	1652,7
Czechia	376,9	626,2	541,0	920,9	594,0	747,9	479,7	1165,5
Switzerland	395,8	472,2	123,2	127,6	252,5	508,2	457,7	1592,1
Sweden	41,6	77,8	60,6	77,1	547,4	358,8	273,5	489,0
Japan	82,0	104,8	235,6	249,9	548,2	801,7	382,2	962,9

FOREIGN ECONOMIC ACTIVITY

22.2. Exports/imports of goods in 2019, by region

	Exports			Imports		
	number of enterprises	value, mln. USD	percentage of total	number of enterprises	value, mln. USD	percentage of total
Ukraine	16682	50054,6	100,0	31579	60800,2¹	100,0
Autonomous Republic of Crimea	...	...	...	...	...	...
oblasts						
Vinnitsya	551	1455,3	2,9	624	631,6	1,0
Volyn	416	694,0	1,4	707	1455,9	2,4
Dnipropetrovsk	1205	7907,2	15,8	2672	5522,2	9,1
Donetsk	279	4631,6	9,3	474	2224,4	3,7
Zhytomyr	598	719,0	1,4	519	568,6	0,9
Zakarpattia	465	1490,0	3,0	640	1471,2	2,4
Zaporizhzhya	596	3080,6	6,2	814	1529,8	2,5
Ivano-Frankivsk	390	911,4	1,8	542	831,8	1,4
Kyiv	1006	1948,4	3,9	1939	4112,3	6,8
Kirovohrad	322	707,0	1,4	309	250,1	0,4
Luhansk	74	152,9	0,3	118	253,0	0,4
Lviv	1063	2202,1	4,4	2396	3087,7	5,1
Mykolayiv	327	2152,5	4,3	395	988,5	1,6
Odesa	909	1384,1	2,8	1799	1881,1	3,1
Poltava	384	2102,4	4,2	588	1360,2	2,2
Rivne	397	440,2	0,9	514	382,6	0,6
Sumy	375	883,4	1,8	305	656,5	1,1
Ternopil	227	434,3	0,9	407	450,1	0,7
Kharkiv	1279	1415,1	2,8	2126	1745,8	2,9
Kherson	273	268,1	0,5	294	407,1	0,7
Khmelnyskiy	349	642,3	1,3	500	564,0	0,9
Cherkasy	427	863,5	1,7	505	477,4	0,8
Chernivtsi	267	213,8	0,4	322	208,6	0,3
Chernihiv	434	807,3	1,6	370	419,4	0,7
cities						
Kyiv	4062	12491,4	25,0	11683	25690,3	42,3
Sevastopol	...	...	...	...	...	...

¹ Including crude natural gas non-distributed by region

FOREIGN ECONOMIC ACTIVITY

22.3. Commodity structure of foreign trade in 2019

	Exports		Imports	
	mln. USD	share of total exports, percent	mln. USD	share of total imports, percent
Total	50054,6	100,0	60800,2	100,0
including				
by UCCFT ¹ category				
livestock and products of cattle farming	1277,0	2,6	1071,5	1,8
products of plant-growing industry	12914,5	25,8	1794,6	3,0
animal and vegetable oils and fats	4732,2	9,5	253,3	0,4
finished foodstuffs	3220,4	6,4	2616,6	4,3
mineral products	4866,5	9,7	12984,6	21,4
products of chemical industry and other industries related to chemical	1930,8	3,9	7483,4	12,3
polymeric materials, plastic and similar	721,5	1,4	3564,6	5,9
raw leather, cleansed leather	149,1	0,3	283,0	0,5
wood and wood products	1400,4	2,8	307,4	0,5
wood mass or mass of other fibrous cellulosic materials	437,7	0,9	1003,0	1,6
textiles and textile products	847,2	1,7	2376,0	3,9
footwear, head-dress and umbrellas	188,4	0,4	473,5	0,8
articles of stone, plaster, cement	414,7	0,8	786,1	1,3
natural or cultured pearls, precious or semiprecious stones	89,9	0,2	94,4	0,2
non-precious metals and articles thereof	10255,7	20,5	3650,7	6,0
machines, equipment and machinery; electrotechnical equipment	4464,4	8,9	13312,8	21,9
vehicles for land transport, flying devices, floating crafts	882,3	1,8	6162,8	10,1
optical and photographic devices and instruments	181,3	0,4	1079,5	1,8
miscellaneous manufactured goods	872,4	1,7	1004,0	1,7
art products	0,6	0,0	2,0	0,0
goods purchased at ports	6,0	0,0	381,2	0,6

¹ The Ukrainian Classification of Commodities in Foreign Trade

FOREIGN ECONOMIC ACTIVITY

22.4. Exports/imports of goods for processing, by country

(thsd. USD)

	Exports				Imports			
	2005	2010	2015	2019	2005	2010	2015	2019
Total	38662,6	60718,0	67183,7	67181,3	1713405,1	3151515,8	2366554,0	3127258,3
including								
Australia	—	—	—	8,5	13,6	84,3	1348,0	938,5
Austria	2295,7	—	—	1,6	42202,2	59212,0	38089,3	60009,6
Bangladesh	—	—	—	—	1,6	1381,4	2482,8	1086,9
Belgium	398,4	1418,3	—	1,6	37283,7	39264,4	22678,4	24547,0
Belarus	—	205,2	111,5	214,4	8763,9	2252,0	1305,6	36392,3
Bulgaria	71,9	—	—	—	808,4	859,4	1309,3	103890,9
Brazil	—	—	—	—	24606,0	20635,1	15050,8	3969,8
Viet Nam	—	—	—	—	446,5	762,2	557,8	3531,7
Guyana	—	—	—	—	—	28635,7	55102,2	88918,1
Guatemala	—	—	—	—	179,3	—	86364,6	26270,2
Guinea	—	—	—	—	4,4	70012,1	110635,6	114790,8
Hong Kong, Special administrative region of China	—	—	—	—	2449,6	4904,6	1625,5	5638,9
Greece	—	1476,4	—	59,5	58,2	226,1	766,4	2733,4
Denmark	—	—	—	—	29110,5	9836,4	26155,1	27517,4
Estonia	—	—	—	—	119,7	6061,9	1133,8	4885,7
Israel	—	—	—	—	9473,8	1079,6	2525,1	13035,7
India	—	—	—	—	2356,7	4789,2	12885,0	8805,8
Indonesia	—	—	—	—	17280,6	81066,7	3712,6	48315,1
Ireland	—	—	—	—	263,6	1888,9	531,7	309,7
Spain	—	—	—	2,3	9154,3	13419,5	16618,4	14203,7
Italy	—	1447,6	649,4	531,8	150405,9	156062,8	146277,1	164074,1
Kazakhstan	—	—	—	—	966,6	16436,1	304,3	3708,8
Canada	0,5	—	4,7	—	689,9	1318,6	672,3	1105,1
China	—	242,5	38,5	—	20650,2	35539,9	167474,8	296742,2
Latvia	—	—	—	—	10307,5	24136,4	9244,7	8733,8
Lithuania	—	—	61,0	254,2	14143,8	7041,4	6576,8	5744,8
Luxembourg	—	—	—	—	4227,0	995,4	595,1	627,7
Malaysia	—	—	—	—	17327,8	1319,5	15340,3	20293,0
Morocco	—	—	—	—	0,8	659,4	3604,0	4094,1
Mexico	—	—	—	—	33,7	2771,8	6429,4	10319,7
Netherlands	—	270,5	—	—	19901,4	35758,3	35548,2	20135,6
Germany	27871,8	20201,8	8342,5	15928,1	272737,0	361692,6	384740,2	387608,8

FOREIGN ECONOMIC ACTIVITY

Table 22.4 continued

	Exports				Imports			
	2005	2010	2015	2019	2005	2010	2015	2019
Norway	—	—	—	—	837,9	6049,2	3001,8	12182,2
Pakistan	—	—	—	—	965,4	1007,1	1893,6	1938,7
South Africa	—	—	—	—	40,4	16,2	7085,9	27429,4
Poland	45,0	838,7	50,4	261,4	56678,6	143737,4	304358,2	384112,8
Portugal	—	—	0,6	—	6210,4	12775,5	12303,1	11830,6
Korea, Republic of	—	89,2	—	—	4013,5	14744,4	23710,9	22773,1
Moldova, Republic of	38,7	153,8	128,2	—	514,4	775,1	1052,9	3770,6
Russian Federation	4579,7	4494,3	39,7	33,4	558509,5	1394055,1	72266,4	191271,0
Romania	—	—	178,5	—	6098,7	30679,8	28224,9	131138,0
Singapore	—	—	—	—	1692,6	2671,2	4268,5	4028,6
Slovakia	—	—	—	115,4	18551,5	11610,6	15095,8	15776,5
Slovenia	—	—	497,3	1,5	413,9	1932,1	3471,6	4053,9
United Kingdom of Great Britain and Northern Ireland	3278,8	6169,8	3018,0	389,8	32871,1	18819,9	17391,1	14810,3
USA	7,8	—	160,6	—	26413,1	43350,0	33426,5	33603,6
Thailand	—	—	—	—	1443,4	1495,6	14216,2	11082,4
Taiwan, Province of China	—	—	4,9	—	10743,9	7485,1	30486,6	56386,9
Tunisia	—	123,1	—	—	12,7	578,9	4150,4	9169,8
Turkey	—	—	179,3	62,1	9955,4	42826,0	36321,5	45075,2
Hungary	—	479,7	207,3	—	104794,0	204685,0	283883,0	357070,9
Uzbekistan	—	345,0	—	—	376,8	2070,8	—	1728,0
Uruguay	—	—	—	—	1000,3	29,4	3620,6	5359,0
Philippines	—	—	—	—	168,7	807,7	4277,3	14815,5
Finland	—	683,9	101,0	121,0	19983,1	45472,4	17448,9	20666,1
France	—	131,1	—	—	50859,5	35563,3	35333,2	41343,9
Croatia	—	—	—	—	—	596,2	15,2	1017,2
Czechia	74,2	883,2	20,5	—	20594,7	46726,4	87020,5	80361,8
Switzerland	—	20832,7	52754,6	49194,7	5261,6	22896,0	24141,0	50520,9
Sweden	—	—	19,2	—	13704,3	45024,2	44838,4	5486,4
Japan	—	—	—	—	7157,5	8388,0	23820,2	26993,6

FOREIGN ECONOMIC ACTIVITY

22.5. Foreign trade in services, by country

(mln. USD)

	Exports				Imports			
	2005 ¹	2010 ¹	2015	2019	2005 ¹	2010 ¹	2015	2019
Total	6443,2	12324,2	9736,6	15628,9	2941,8	5467,2	5523,0	6942,2
including								
Austria	94,9	182,8	145,5	227,2	127,5	144,0	93,1	105,0
Azerbaijan	10,7	25,3	31,3	34,1	5,5	13,1	10,2	13,0
Algeria	5,7	1,7	17,3	14,7	1,4	2,9	2,9	2,2
Bahamas	19,0	18,2	13,1	11,1	5,8	2,8	0,1	6,1
Belize	5,1	53,0	29,3	11,6	3,1	16,5	9,8	0,0
Belgium	145,5	239,4	52,6	110,9	28,7	63,9	49,4	175,9
Belarus	47,3	131,8	77,1	146,3	23,8	63,3	80,9	133,2
Bulgaria	32,3	30,1	43,6	44,9	10,4	17,5	19,2	28,0
British Virgin Islands	69,5	203,2	175,5	169,5	38,0	92,0	42,2	1,0
Armenia	5,6	12,8	11,9	14,5	2,2	6,6	3,9	6,5
Viet Nam	2,8	4,9	5,7	8,7	1,8	2,3	1,4	1,7
Hong Kong, Special administrative region of China	4,3	17,9	31,2	54,3	72,9	7,5	14,7	6,4
Greece	69,2	80,7	30,3	24,8	12,5	23,9	24,4	38,7
Georgia	33,7	54,1	39,1	44,8	11,4	17,7	11,8	53,8
Denmark	48,6	87,2	112,4	186,3	13,3	17,5	32,2	75,2
Estonia	12,9	114,0	114,6	202,6	8,5	12,1	30,0	51,7
Egypt	14,1	48,5	43,6	76,6	18,0	32,2	26,4	188,7
Israel	40,9	64,5	144,5	247,5	18,8	28,7	24,2	54,7
India	17,1	31,2	45,6	122,1	3,2	4,7	13,1	9,6
Iraq	0,1	8,6	12,6	30,2	1,1	1,2	1,2	8,6
Iran (Islamic Republic of)	9,2	12,9	6,5	12,2	2,3	2,8	1,6	2,4
Ireland	8,9	48,4	26,9	89,0	1,1	10,2	49,5	315,3
Spain	20,1	30,2	27,6	86,7	16,4	17,3	29,9	55,9
Italy	74,1	127,2	133,3	135,4	19,5	35,2	34,8	72,2
Kazakhstan	21,4	83,7	65,7	51,9	8,9	22,1	14,0	30,8
Canada	39,6	101,9	71,0	103,7	25,8	38,5	43,8	62,7
China	24,0	73,9	40,6	190,8	7,7	17,5	128,4	226,8
Cyprus	242,4	418,7	251,2	357,1	213,5	817,6	287,7	409,2
Latvia	39,8	31,7	75,7	54,4	13,0	32,0	36,0	51,2
Lithuania	12,6	36,8	33,7	64,5	6,7	16,2	14,5	45,3
Liberia	14,6	42,8	23,7	13,2	0,6	0,2	0,0	c
Luxembourg	0,7	5,0	5,2	15,0	0,3	5,9	83,3	97,0
Malaysia	5,7	11,2	11,8	11,5	0,3	0,6	0,7	1,4

FOREIGN ECONOMIC ACTIVITY

Table 22.5 continued

	Exports				Imports			
	2005 ¹	2010 ¹	2015	2019	2005 ¹	2010 ¹	2015	2019
Malta	35,2	93,1	106,2	152,5	1,4	2,3	77,3	161,8
Morocco	2,0	2,7	7,7	18,2	0,6	0,5	0,4	0,6
Marshall Islands	5,2	25,2	80,6	29,5	0,0	0,1	0,4	0,0
Nigeria	3,7	8,5	12,6	12,0	0,7	0,7	0,9	1,0
Netherlands	73,2	103,2	111,8	238,8	65,6	125,1	140,7	148,3
Germany	185,8	337,2	452,0	605,7	171,3	353,4	538,5	491,2
Norway	13,5	41,3	22,7	41,6	6,9	10,5	42,2	59,8
United Arab Emirates	26,0	69,4	204,7	351,9	10,8	49,9	89,3	117,0
Isle of Men	—	13,0	16,3	38,1	—	0,0	c	0,1
Panama	34,0	168,3	131,7	23,1	1,8	30,0	14,9	4,7
Poland	62,2	93,1	181,9	420,9	77,0	141,2	98,7	242,5
Portugal	10,6	10,9	5,8	6,2	2,4	54,1	8,3	13,7
Korea, Republic of	8,3	12,4	43,6	53,3	2,8	6,4	18,3	15,0
Moldova, Republic of	33,7	67,1	40,0	51,3	15,3	29,1	32,2	30,2
Russian Federation	2574,5	5157,1	3039,8	6199,8	436,7	793,5	653,9	304,0
Romania	8,0	21,6	43,3	117,2	4,0	11,2	9,0	38,9
Serbia	—	12,1	12,2	16,5	—	7,2	1,2	4,7
Singapore	13,4	17,7	16,0	37,6	2,5	5,6	9,1	18,8
Slovakia	49,2	50,6	26,8	58,6	17,5	18,2	101,8	89,3
Slovenia	2,0	5,8	21,0	22,1	2,6	3,9	5,9	9,0
United Kingdom of Great Britain and Northern Ireland	300,2	557,8	553,3	604,4	271,3	598,8	717,1	610,8
USA	281,4	596,9	666,4	1288,5	306,8	379,4	487,2	502,1
Thailand	5,5	18,3	18,1	22,0	8,1	17,6	7,4	10,2
Turkey	90,2	154,6	163,3	197,4	93,9	224,7	195,3	567,5
Turkmenistan	108,0	111,5	262,8	24,0	13,9	7,2	39,6	6,9
Hungary	128,2	223,9	92,3	215,1	49,8	52,3	50,0	58,6
Uzbekistan	5,5	13,6	7,1	13,6	2,4	3,2	2,6	3,0
Finland	14,7	48,1	24,5	31,8	2,9	22,0	21,2	31,1
France	57,4	123,6	108,3	182,5	53,2	230,2	112,0	162,5
Croatia	1,5	6,1	2,9	16,0	1,4	5,9	2,8	37,1
Czechia	21,2	43,1	64,6	102,5	17,6	38,6	34,6	62,1
Montenegro	—	2,8	2,9	2,8	—	3,0	4,5	7,6
Switzerland	296,2	431,2	770,2	986,0	111,1	178,6	234,6	233,0
Sweden	16,5	44,6	80,7	96,0	90,6	158,9	48,3	51,5
Sri Lanka	1,4	1,6	0,4	3,8	0,0	0,9	14,0	7,9
Japan	5,3	14,6	7,0	10,3	5,4	6,1	14,0	14,6

¹The volumes of exports/imports of services have been updated in line with the Technique for retrospective recalculation of value of services for processing in external economic activity (SSSU decree № 419 of December 31, 2014) excluding distribution by country

FOREIGN ECONOMIC ACTIVITY

22.6. Exports/imports of services in 2019, by region

	Exports			Imports		
	total enterprises	value, mln. USD	percentage of total	total enterprises	value, mln. USD	percentage of total
Ukraine¹	9598	15628,9	100,0	6825	6942,2	100,0
Autonomous Republic of Crimea	...	...	...	...	...	...
oblasts						
Vinnnytsya	138	135,2	0,9	104	32,5	0,5
Volyn	142	110,3	0,7	209	39,3	0,6
Dnipropetrovsk	352	164,8	1,1	308	255,5	3,7
Donetsk	117	91,3	0,6	117	148,9	2,1
Zhytomyr	105	84,6	0,5	92	24,8	0,4
Zakarpattya	249	321,9	2,1	139	32,9	0,5
Zaporizhzhya	206	199,5	1,3	118	34,5	0,5
Ivano-Frankivsk	128	71,5	0,5	93	27,4	0,4
Kyiv	387	347,4	2,2	337	167,6	2,4
Kirovohrad	48	30,7	0,2	54	15,6	0,2
Luhansk	40	29,8	0,2	43	44,5	0,6
Lviv	765	610,2	3,9	490	85,7	1,2
Mykolayiv	173	488,3	3,1	78	30,3	0,4
Odesa	946	816,8	5,2	497	265,9	3,8
Poltava	161	54,4	0,3	224	135,0	1,9
Rivne	124	58,0	0,4	130	19,4	0,3
Sumy	72	33,4	0,2	72	28,5	0,4
Ternopil	72	101,1	0,6	78	10,5	0,2
Kharkiv	618	389,3	2,5	294	64,3	0,9
Kherson	122	39,6	0,3	61	40,0	0,6
Khmelnyskiy	96	27,0	0,2	117	28,6	0,4
Cherkasy	122	39,8	0,3	116	21,4	0,3
Chernivtsi	74	47,3	0,3	36	4,5	0,1
Chernihiv	99	30,4	0,2	77	31,8	0,5
cities						
Kyiv	4219	4193,8	26,8	2877	3496,1	50,4
Sevastopol	...	...	...	...	...	...

¹ Including the undistributed services by region

FOREIGN ECONOMIC ACTIVITY

22.7. Structure of exports/imports of services in 2019

	Exports		Imports	
	mln. USD	percentage of total, section, unit	mln. USD	percentage of total, section, unit
Total	15628,9	100,0	6942,2	100,0
Services for the processing of material resources	1640,2	10,5	3,0	0,0
services for the processing of goods in the domestic economy	7,0	0,4	0,2	5,7
services for processing of goods abroad	1633,2	99,6	2,9	94,3
Services for repair and technical maintenance not related to other categories	270,1	1,7	85,2	1,2
Transport services	9109,9	58,3	1559,1	22,5
sea transport services	595,9	6,5	273,8	17,6
air transport services	1419,7	15,6	757,8	48,6
rail transport services	501,7	5,5	262,7	16,8
motor transport services	338,8	3,7	157,0	10,1
pipeline transport services	5904,2	64,8	59,7	3,8
other auxiliary and additional transport services	260,0	2,9	29,0	1,9
mail and courier services	53,5	0,6	18,6	1,2
Services connected with travels	335,0	2,1	1299,3	18,7
Services for construction	125,7	0,8	39,2	0,6
Services for insurance	75,5	0,5	87,9	1,3
Services connected with financial activity	133,6	0,9	495,4	7,1
Royalties and other services connected with usage of intellectual property	55,4	0,4	559,7	8,1
Services in the sphere of telecommunications, computer and information services	2575,9	16,5	531,3	7,7
Business services	1278,2	8,2	1359,1	19,6
Services rendered to individual persons, cultural and recreation services	21,6	0,1	10,8	0,2
State and government services	7,7	0,0	912,0	13,1

23. DOMESTIC TRADE

Wholesale turnover is resale (sale without processing) by legal persons whose main type of activity is wholesale trade (hereinafter, the wholesalers) on behalf of their name of the new or consumed goods (finished products) at the moment of their dispatch, purchasing on one's own account without any changes (apart from conventional trade-related operations: weighting, sorting of large lots of goods, packing, dividing into lots, distributing, stacking, mixing, etc) to retailers, enterprises and organizations or other wholesalers (apart from the population) to be used or further sale within Ukraine and for exports. Wholesale turnover excludes VAT.

Turnover of retail trade is a summarized measure which consists of retail turnover of legal persons (hereinafter, the retailers) and natural persons-entrepreneurs whose main type of economic activity is retail trade.

The indicator is calculated in accordance with the Methodology for calculating the turnover of retail trade, taking into account the activities of individual entrepreneurs, approved by the order of the State Statistics Service dated 04.04.2016 № 53, starting from 2017.

Retail turnover is a part of the turnover of enterprises by type of economic activity retail trade, which includes income from the resale mainly to the population of new or used goods (for cash, bank payment cards, etc.) as in in-store and out-of-store, including value added tax.

The **index of the physical volume** of retail trade turnover or retail trade turnover is calculated on the basis of the Methodological recommendations for calculating the indices of the physical volume of retail trade turnover, approved by the order of the State Statistics Committee of 06.11.2000 № 353.

DOMESTIC TRADE

23.1. Wholesale and retail turnover of wholesale and retail enterprises

	2017	2018	2019
Wholesale turnover of wholesale enterprises, bln. UAH	1908,7	2215,4	2322,2
Share of goods in wholesale turnover of wholesale enterprises, percent			
food products	16,5	16,1	16,9
manufactured goods	83,5	83,9	83,1
Turnover of retail trade, bln. UAH	815,3	930,6	1094,0
including retail turnover of retail enterprises	586,3	668,4	793,5
Share of goods in retail turnover of retail enterprises, percent			
food products	39,8	43,3	42,4
manufactured goods	60,2	56,7	57,6

23.2. Wholesale turnover of wholesale enterprises, by region

(mln. UAH)

	2005	2010	2015	2016	2017	2018	2019
Ukraine	492506,2	993695,8	1244220,8	1555965,7	1908670,6	2215367,4	2322176,9
Autonomous Republic of Crimea	5291,6	13714,8	...	...	...	...	...
oblasts							
Vinnitsya	3068,0	8457,2	18228,0	14770,4	18838,4	24045,3	24885,9
Volyn	12083,1	15810,2	18495,0	51852,4	72637,7	86133,4	43603,8
Dnipropetrovsk	66225,4	98919,8	93252,0	122254,3	149822,4	154530,6	198109,7
Donetsk	67987,1	173920,2	68053,0	53137,3	57418,5	60669,1	61815,0
Zhytomyr	4758,6	13616,4	6689,5	16529,6	18193,1	22013,6	20869,4
Zakarpattia	3840,9	6770,3	14000,1	6709,4	6454,1	8873,7	7990,5
Zaporizhzhya	17734,8	25661,9	22811,8	35029,2	39675,0	49225,1	50512,7
Ivano-Frankivsk	4385,2	8616,9	9244,6	11412,5	12225,3	15606,0	37568,0
Kyiv	15735,2	43988,9	83826,2	101414,7	122010,3	149488,5	157062,7
Kirovohrad	3024,8	8409,7	14450,8	17297,5	20211,6	22908,4	25857,6
Luhansk	19470,4	22089,8	3800,9	4794,5	4770,6	6246,0	5689,6
Lviv	16210,6	23915,6	36354,2	37894,5	43280,5	59296,6	64574,6
Mykolayiv	13588,9	21057,3	23706,5	30834,5	37269,0	46966,5	58397,5
Odesa	21787,1	46337,3	43597,4	75226,7	91670,6	109362,7	107057,1
Poltava	8332,7	32607,6	16224,3	22999,1	27088,5	30873,7	37817,5
Rivne	5667,5	3729,2	6231,1	7617,7	8984,2	9896,2	12202,5
Sumy	3027,9	5261,3	11052,9	15577,4	16952,2	21556,5	21853,7
Ternopil	1546,6	4944,0	30458,6	9593,2	11775,6	14023,5	12937,9
Kharkiv	25983,0	46662,4	62936,7	66793,5	79989,3	78960,5	83122,2
Kherson	5137,3	10473,0	8967,4	10801,8	12630,3	11985,2	12611,4
Khmelnyskiy	7955,9	5009,4	6876,3	10395,3	15715,8	17776,8	18556,2
Cherkasy	4334,8	9841,5	23101,2	22675,5	26939,2	37358,3	45182,2
Chernivtsi	2013,8	2529,6	3690,8	4252,5	5106,7	6517,9	8459,8
Chernihiv	2505,8	5926,9	9863,4	10837,9	12413,9	17559,3	19902,7
cities							
Kyiv	148249,2	324179,1	608308,1	795264,3	996597,8	1153494,0	1185536,7
Sevastopol	2560,1	11245,5	...	...	...	...	...

DOMESTIC TRADE

23.3. Wholesale turnover of wholesale enterprises in 2015–2018, by goods groups*(mln. UAH)*

	2015	2016	2017	2018
All commodities	1244220,8	1555965,7	1908670,6	2215367,4
Food products	224268,9	252771,0	314047,6	356102,8
meat and meat products	12271,4	13833,4	18914,8	34047,3
dairy products, butter and cheese	15477,8	15021,4	17164,5	18849,2
eggs	1388,5	1474,3	1349,1	1678,5
oils and fats food	19212,5	16628,1	22437,8	20182,7
including				
margarine and fats food similar	4124,5	4500,7	5769,6	5535,4
vegetable oil	15077,8	12047,7	12933,7	14472,4
distilled alcoholic beverages	7305,5	12518,5	14321,5	16643,9
fresh grape wines and mash grape	2335,6	3524,6	4875,8	5630,5
cider and other fruit and berries wines	117,2	231,1	330,6	396,2
vermouth and other flavoured fresh grape wines	402,0	703,2	884,6	1609,9
beer, apart from brewery waste	7446,2	8978,8	9051,2	9319,1
mineral waters and soft drinks and fruit and vegetable juices	9267,5	10614,4	12174,2	15099,3
tobacco products, apart from tobacco waste	45910,0	57909,3	89457,0	105314,7
bakery products and flour confectionary	1017,4	1659,1	2853,2	3558,2
sugar	5159,4	7965,6	9539,1	4819,6
chocolate and sugar confectionary products	15112,8	16942,1	21018,7	21789,4
roast coffee that contains or does not contain caffeine; non-roasted decaffeinated coffee	11135,2	11646,4	10036,8	10360,8
green tea (non-enzymatic), black tea (enzymatic) and tea partially enzymatic	3670,1	3655,4	3979,2	3088,4
cocoa paste whether or not defatted, cocoa butter, cocoa fat, cocoa powder	309,9	292,3	297,2	361,6
spices and seasoning, apart from salt	2986,4	3039,3	3161,8	3417,6
fish, crustacean and molluscs	10117,0	7947,0	8007,8	8564,8
rice	1137,8	853,1	1322,5	1253,5
flour	1569,1	2763,0	1226,4	1267,0
cereals, coarse flour, pellets and other products of grain crops	1832,8	3078,0	2282,1	2088,4
macaroni, noodles, couscous and pastries	948,6	1108,8	1028,9	1363,0
edible salt	488,2	643,5	872,3	1205,8
fruit and vegetables, processed	1983,2	1927,8	2433,0	2869,1
fresh fruit and vegetables	6567,1	8969,0	9056,5	11310,5
including potatoes	223,0	296,1	302,9	436,2
other food products	39099,7	38843,5	45971,0	50013,8

DOMESTIC TRADE

Table 23.3 continued

	2015	2016	2017	2018
Manufactured goods	1019951,9	1303194,7	1594623,0	1859264,6
motor vehicles for light loads	23092,2	47734,9	62237,6	66623,9
freight motor vehicles	3109,5	5967,8	10010,5	9496,3
tires and rubber bags for vehicles	8652,9	9472,2	10387,0	12231,9
parts and equipment for cars and motor vehicles	18325,5	27850,5	33839,4	40275,7
motorcycles, parts and equipment for them	281,4	200,7	287,6	450,3
wheat	28226,6	39675,0	40700,0	47122,1
including				
hard wheat	3154,0	4025,3	4225,6	2411,2
wheat, apart from hard wheat	25072,6	35649,7	36474,4	44710,9
corn	36294,6	41125,3	55152,9	66769,0
barley	9132,1	9830,5	13728,9	12351,1
rye, oats	276,8	239,1	240,0	350,0
mustard seeds, seeds of rape and colza, sesame, sunflower	18008,0	29419,5	41044,2	43423,0
fodders finished for animals	5874,8	5939,6	6202,1	6863,0
live dairy breed cattle	85,2	81,6	56,9	115,3
live pigs	38,7	34,2	23,7	46,9
other agricultural raw materials and live animals	5952,0	8475,3	17032,3	14169,3
textile products, clothes and footwear	3914,2	5479,1	6659,6	7720,7
fridges and deep freezers	1397,7	2691,4	3251,4	4883,3
washing machines and dryers machines	644,3	2452,4	2355,7	3342,5
household electronic equipment, recording and playing sound and image	4051,3	6974,8	10639,2	20356,4
articles made from ceramics, glass, wood, cork, plaiting, cutlery	2314,9	2890,3	3604,0	4240,7
cleans and lustre preparations	5739,8	6735,4	7963,5	8254,2
perfumery and cosmetics	17040,0	19728,6	22833,9	27592,3
basic pharmaceutical products	72097,8	94493,3	112528,2	136406,1
surgical, medical and orthopedic instruments and devices	4483,0	5517,0	8073,6	10959,4
furniture, carpets and illuminating devices	1780,6	2337,3	2787,1	4968,8
watches and jewellery	67,5	335,5	109,5	144,7
books, newspapers, magazines and periodicals, printed and in electronic formats	435,7	419,0	481,5	835,1

DOMESTIC TRADE

Table 23.3 continued

	2015	2016	2017	2018
stationery	1175,8	1698,7	2119,5	2875,5
other consumer goods	2742,4	3869,4	4950,5	13306,5
including sporting goods	549,2	994,3	1101,8	1228,0
information and communication equipment	4296,4	5286,7	11130,2	20814,2
machinery and equipment for agriculture, mining and construction, textile, clothing and knitwear production	8749,0	22684,4	32120,6	29227,8
office furniture, machinery and equipment	16184,1	4913,8	4618,6	4596,4
other machinery and equipment	17943,0	27789,6	41335,1	46929,7
black coal	37398,0	30983,4	40458,5	41357,0
brown coal	9,0	79,9	26,3	2,8
crude oil, including oil, obtained from bituminous minerals	5120,4	768,4	936,1	1216,6
liquid propane and butane	8202,6	9155,1	14925,9	20614,0
petrol for motor vehicles including aircraft gasoline	46354,7	65830,1	71738,2	65859,1
gas oil (diesel fuel)	114890,5	147451,6	158588,6	215590,4
heavy fuel oil	3449,7	3356,4	4994,6	1182,7
oils and lubricants; hard oil distillates	8103,5	9824,8	11592,1	14405,4
fuel solid, liquid and gaseous other	6290,2	4629,6	6756,2	12254,3
basic ferrous metals: iron, cast iron, steel and ferroalloys	42368,9	62466,7	73828,0	93773,0
including				
ferroalloys	2214,6	2546,4	2633,0	757,4
steel	473,4	4254,7	872,3	1202,2
flat section hot rolled of plating steel, with galvanic or other coating, flat products of high cutting steel and silicone electrotechnical steel	1616,3	2167,6	2488,7	7068,0
flat section hot rolled of steel	7814,8	13150,9	19513,4	21302,1
cold rolled flat products from non-alloyed steel width not less than 600 mm	4631,5	5551,8	8090,5	8575,3
rods and cores, heat treated, from steel and tongued and grooved pales and structural elements of rail and tram tracks, heat treated, from ferrous metals	12352,9	15130,3	20222,1	27138,5
tubes, hollow lances, cross sections and fittings of steel	6349,2	11148,0	15739,9	19320,1

DOMESTIC TRADE

Table 23.3 continued

	2015	2016	2017	2018
products of other primary processing of steel				
other	2046,0	2486,5	2282,2	5575,2
pellets and powders from processed or mirror pig iron or from ferrous metals	2,4	1,6	3,1	2,0
metal ore	978,0	295,6	206,3	75,4
non-ferrous metals (excluding precious metals) – aluminum, lead, zinc and tin, copper, other non-ferrous metals	2235,2	3524,9	5588,0	5622,1
timber	787,2	948,7	912,5	1046,4
wood and wood products and skin, apart from furniture; straw products and products from plant material for wickerwork	2965,8	3795,2	4494,5	7192,8
sanitary equipment	2183,9	3008,8	4240,8	5044,4
paints, varnishes and enamels	2967,0	4081,3	4613,4	5386,5
sheet glass	1687,1	2537,4	3189,1	2646,5
portland cement, alumina cement, cindery slag cement and similar water-hardening cements	3656,9	4804,4	6304,2	6885,7
products made of asbestos cement, cement of fibres of cellulose or similar materials	293,0	290,2	540,3	960,7
asphalt products or similar materials	670,5	423,2	622,0	3845,2
other construction materials	11577,9	16772,8	27264,0	36665,2
wallpaper, floor coverings (except carpets)	1055,5	1420,5	1689,5	2381,3
hardware, plumbing and heating equipment	3265,8	4813,3	7254,3	10303,6
radiators and copper ferrous central heating	1465,1	1566,1	1406,4	1663,2
steam or steam generating boilers, others that use overheat water	40,2	103,5	107,8	132,4
fertilizers, agrochemical products	87200,5	111341,2	128910,9	125471,1
industrial chemicals	11756,0	19228,2	29229,2	23850,1
paper and carton	4305,1	4408,3	5026,8	6300,7
plastics and rubber in primary forms	7677,7	6161,6	6233,4	9286,2
synthetic rubber in primary forms	267,7	209,4	182,0	225,5
wastes and scrap	7343,3	12599,2	19648,3	26950,1
other	271016,8	323972,0	384610,0	443332,1

DOMESTIC TRADE

23.4. Wholesale turnover of wholesale enterprises in 2019, by goods groups

	Mln. UAH	Percent of total
All commodities	2322176,9	100,0
Food products	392139,9	16,9
meat and meat products	40626,5	1,7
dairy products, butter and cheese	22382,2	1,0
eggs	2114,1	0,1
edible oils and fats	17378,1	0,7
including vegetable oil	13099,1	0,6
alcoholic beverages	40487,2	1,7
including		
distilled alcoholic beverages	20033,0	0,9
fresh grape wines and mash grape	6689,1	0,3
cider and other fruit and berries wines	554,3	0,0
vermouth and other flavoured fresh grape wines	1789,9	0,1
beer, apart from brewery waste	11420,9	0,5
mineral waters and soft drinks and fruit and vegetable juices	18843,8	0,8
tobacco products, apart from tobacco waste	109035,0	4,7
bakery products and flour confectionary	4217,9	0,2
sugar	5342,9	0,2
sugar confectionary products and chocolate	24638,0	1,1
coffee, tea, cocoa and spices	16665,0	0,7
fish, crustacean and molluscs	13004,0	0,6
fruit and vegetables, processed	4401,7	0,2
fresh fruit and vegetables	12870,3	0,6
other food products	60133,2	2,6
including		
rice	1497,0	0,1
flour	1239,6	0,1
cereals and coarse flour	1879,9	0,1
macaroni	1318,7	0,1
edible salt	1437,9	0,1

DOMESTIC TRADE

Table 23.4 continued

	Mln. UAH	Percent of total
Manufactured goods	1930037,0	83,1
motor vehicles for light loads	75271,0	3,2
freight motor vehicles	9077,3	0,4
tires and rubber bags for vehicles	13516,2	0,6
parts and equipment for cars and motor vehicles	46148,0	2,0
motorcycles, parts and equipment for them	607,5	0,0
wheat	149953,1	6,5
including		
hard wheat	53663,6	2,3
corn	82334,6	3,5
barley	12013,9	0,5
seeds and fruits of oilseeds	48360,2	2,1
fodders for animals	6505,6	0,3
other agricultural raw materials	9729,9	0,4
live animals	477,1	0,0
textile products, clothes and footwear	8477,3	0,4
household electrical appliances and electronic equipment for receiving, recording, reproducing sound and images	35502,1	1,5
articles made from ceramics and glass	3251,5	0,1
cleans and lustre preparations	9008,5	0,4
perfumery and cosmetics	32645,5	1,4
basic pharmaceutical products	149376,5	6,4
surgical, medical and orthopedic instruments and devices	14166,5	0,6
furniture, carpets and illuminating devices	4320,4	0,2
watches and jewellery	229,3	0,0
wood products, cork, wicker and knife-made	1406,2	0,1
books, newspapers, magazines and periodicals, printed and in electronic formats	860,5	0,0
stationery	3374,2	0,1
other consumer goods	15964,4	0,7
including sporting goods	1054,4	0,0
information and communication equipment	28426,8	1,2
machinery and equipment for agriculture, mining and construction, textile, clothing and knitwear production	35306,5	1,5
office furniture, machinery and equipment	8233,4	0,4
other machinery and equipment	46862,0	2,0
fuel solid	35038,3	1,5
including black coal	27049,3	1,2

DOMESTIC TRADE

Table 23.4 continued

	Mln. UAH	Percent of total
motor fuel	262689,3	11,3
including		
petrol for motor vehicles including aircraft gasoline	50077,7	2,2
gas oil (diesel fuel)	189760,2	8,2
liquid propane and butane	22396,7	1,0
fuel solid, liquid and gaseous other	35556,8	1,5
including		
heavy fuel oil	1116,3	0,0
oils and lubricants; hard oil distillates	12983,9	0,6
basic ferrous metals: iron, cast iron, steel and ferroalloys	91644,2	3,9
including		
ferroalloys	3117,0	0,1
steel	2955,4	0,1
flat section hot rolled of plating steel, with galvanic or other coating, flat products of high cutting steel and silicone electrotechnical steel	3705,6	0,2
flat section hot rolled of steel	17957,6	0,8
cold rolled flat products from non-alloyed steel width not less than 600 mm	7738,6	0,3
rods and cores, heat treated, from steel and tongued and grooved pales and structural elements of rail and tram tracks, heat treated, from ferrous metals	24285,2	1,0
tubes, hollow lances, cross sections and fittings of steel	20912,9	0,9
products of other primary processing of steel other	5532,5	0,2
pellets and powders from processed or mirror pig iron or from ferrous metals	2,7	0,0
metal ore	6234,3	0,3
non-ferrous metals (excluding precious metals) – aluminum, lead, zinc and tin, copper, other non-ferrous metals	4321,4	0,2
wood and wood products	8932,5	0,4
sanitary equipment	5143,3	0,2
paints, varnishes and enamels	5993,3	0,3
sheet glass	2407,2	0,1
wallpaper, floor coverings (except carpets)	4254,1	0,2
other construction materials	54821,2	2,4
hardware, plumbing and heating equipment	14701,7	0,6
fertilizers, agrochemical products	150727,3	6,5
industrial chemicals	31255,3	1,4
paper and carton	6101,5	0,3
plastics and rubber in primary forms	8871,4	0,4
wastes and scrap	26392,4	1,1
other non-food products	417894,0	18,0

DOMESTIC TRADE

23.5. Retail turnover of retail enterprises, by region

	Mln. UAH			At comparable prices, percent of the previous year		
	2017	2018	2019	2017	2018	2019
Ukraine	815344,3	930629,2	1094045,8	106,5	106,2	110,3
Autonomous Republic of Crimea	...	...	...	...	...	...
oblasts						
Vinnnytsya	21049,1	25658,4	32144,2	106,1	112,9	119,1
Volyn	15256,9	16334,0	19619,7	92,5	102,5	112,4
Dnipropetrovsk	72542,1	85302,9	102461,5	106,8	108,0	112,7
Donetsk	22782,8	29153,3	35319,2	102,7	115,8	110,9
Zhytomyr	20342,8	23592,9	26027,5	107,3	110,2	104,0
Zakarpattya	18624,5	21897,1	23519,8	109,0	110,9	100,9
Zaporizhzhya	36151,3	38638,3	45223,6	105,5	105,0	110,2
Ivano-Frankivsk	19258,2	22299,5	25805,3	106,8	112,6	109,4
Kyiv	54971,4	64917,4	83453,1	107,1	108,0	120,6
Kirovohrad	15374,7	16622,5	19679,5	103,6	99,9	111,7
Luhansk	5866,5	8236,8	10561,9	98,4	127,8	119,2
Lviv	51437,4	57825,1	66601,9	112,5	105,3	107,8
Mykolayiv	19666,8	22555,1	25487,9	105,1	108,1	106,2
Odesa	61807,1	69196,7	81447,5	108,2	103,4	111,0
Poltava	25679,5	30928,8	34301,1	110,0	112,3	103,6
Rivne	14927,8	17360,0	20642,3	98,6	109,3	111,3
Sumy	16237,5	19464,9	21348,1	105,5	108,8	102,2
Ternopil	11651,0	13082,8	16145,9	99,2	110,6	117,1
Kharkiv	65016,7	72517,7	82126,9	107,0	101,7	105,5
Kherson	19109,8	21738,7	23690,9	104,7	104,8	102,3
Khmelnyskiy	20174,0	20565,9	24234,6	105,0	101,3	111,5
Cherkasy	19880,5	22495,4	27126,2	106,6	107,3	115,0
Chernivtsi	13553,5	15170,4	15282,8	104,5	105,2	95,3
Chernihiv	15921,3	17973,2	19282,1	105,3	103,3	101,4
cities						
Kyiv	158061,1	177101,4	212512,3	105,9	103,4	114,2
Sevastopol	...	...	...	...	...	...

DOMESTIC TRADE

23.6. Volume indices of retail turnover of retail enterprises

(at comparable prices; percent of the previous year)

	2017	2018	2019
All goods	106,0	105,8	111,4
Food products	105,5	111,2	105,8
foodstuffs	106,8	114,6	107,0
alcoholic beverages	99,8	113,2	104,4
Manufactured goods	106,4	102,1	115,6

23.7. Retail turnover of retail enterprises, by region

(mln. UAH)

	2017	2018	2019
Ukraine	586330,1	668369,6	793479,2¹
Autonomous Republic of Crimea	...	...	...
oblasts			
Vinnitsya	12280,7	14707,8	18494,9
Volyn	9556,4	10295,4	12334,2
Dnipropetrovsk	56060,4	66023,9	79200,4
Donetsk	15766,7	19243,1	23105,2
Zhytomyr	12381,5	14465,8	16465,7
Zakarpattya	12196,8	13560,6	14951,1
Zaporizhzhya	25530,6	27779,1	32942,6
Ivano-Frankivsk	11402,1	13345,1	15804,1
Kyiv	41771,5	49871,5	65042,2
Kirovohrad	10423,5	11473,0	13879,2
Luhansk	3229,5	4393,0	5264,9
Lviv	37054,2	42944,0	49898,3
Mykolayiv	13208,1	14947,3	17393,2
Odesa	47001,6	53107,6	62660,0
Poltava	16675,0	19585,9	22331,2
Rivne	9403,4	10749,2	12561,8
Sumy	9671,0	11526,4	13015,1
Ternopil	6528,2	7169,4	8820,5
Kharkiv	46078,5	51926,0	58839,3
Kherson	12689,1	14720,8	16436,5
Khmelnyskiy	11289,3	11604,5	13864,9
Cherkasy	11327,9	12567,3	15173,0
Chernivtsi	7194,0	8040,9	8129,1
Chernihiv	10285,1	11448,4	12710,5
cities			
Kyiv	137325,0	152873,6	184161,5
Sevastopol	...	...	...

¹ In some cases, the differences between the sum and the sum of summands are explained by rounding the data

DOMESTIC TRADE

23.8. Volume indices of retail turnover of retail enterprises, by goods groups*(at comparable prices; percent of the previous year)*

	2017	2018	2019
All commodities	106,0	105,8	111,4
Food products	105,5	111,2	105,8
meat and meat products	96,3	110,1	108,4
fish, crustaceans and molluscs (including fish products)	117,0	126,5	110,8
rennet cheese, processed and lactic cheese	101,0	113,1	113,9
butter and pasty dairy products	90,0	105,2	112,9
eggs	109,4	101,1	117,9
vegetable oil	96,6	112,0	98,1
cereals	122,9	124,6	102,6
macaroni	113,6	109,0	94,8
sugar	118,0	105,4	109,9
coffee	107,2	116,2	111,0
tea	103,7	111,3	106,5
bakery products and confectionary	110,6	108,7	109,4
sugar confectionery	118,3	119,9	112,6
fresh fruit and vegetables	105,6	118,1	102,4
alcoholic beverages	99,8	113,2	104,4
other beverages (non-alcoholic)	113,1	117,0	108,9
Manufactured goods	106,4	102,1	115,6
clothes	118,7	118,6	120,5
footwear	105,5	105,3	131,7
cosmetic products and products for toilets	113,6	106,9	121,7
household detergents, cleaners and care products	117,3	126,2	113,6
watches and jewellery	82,5	281,7	227,9
books, newspapers and magazines	104,9	108,4	95,1
computers, networking, software	107,1	108,8	163,7
household equipment for receiving, recording, reproducing sound and images	100,1	166,1	124,5
household home appliances and lighting accessories	154,8	105,3	120,9
furniture	153,3	114,9	128,4
wallpaper, floor coverings, carpets and rugs	130,4	107,8	106,6
construction materials and products of iron	118,0	104,8	101,3
pharmaceuticals, medical and orthopaedic goods	113,1	110,9	115,6
cars and automobile goods	119,6	97,2	128,2
petrol engine and gas oil (diesel fuel)	91,9	77,2	115,3
propane, butane and methane for cars	130,4	91,3	138,7

DOMESTIC TRADE

23.9. Retail turnover of retail enterprises, by goods groups

	Mln. UAH			Percent of total		
	2017	2018	2019	2017	2018	2019
All commodities	586330,1	668369,6	793479,2	100,0	100,0	100,0
Food products	233204,1	289695,9	336587,9	39,8	43,3	42,4
meat	12535,7	16513,5	15627,3	2,1	2,5	2,0
meat products	13881,5	17359,2	23734,9	2,4	2,6	3,0
fish, crustaceans and molluscs (including fish products)	9583,1	12864,3	15430,9	1,6	1,9	2,0
dairy products	27016,7	33568,3	38311,4	4,6	5,0	4,8
including						
milk	—	—	8147,2	—	—	1,0
rennet cheese, processed and lactic cheese	9456,2	12100,2	15067,7	1,6	1,8	1,9
butter and pasty dairy products	3234,3	3913,2	4875,2	0,6	0,6	0,6
eggs	3974,8	5390,9	5040,0	0,7	0,8	0,6
edible oils and fats	3479,9	4027,4	4434,9	0,6	0,6	0,6
including vegetable oil	3054,0	3525,2	3488,3	0,5	0,5	0,4
bakery products and flour confectionery	18375,3	22703,8	28294,7	3,1	3,4	3,6
including flour confectionery	9921,1	12147,3	14691,4	1,7	1,8	1,9
sugar confectionery	16962,6	21997,4	26225,0	2,9	3,3	3,3
fresh fruit and vegetables	17970,6	22548,5	26841,2	3,1	3,4	3,4
including fresh vegetables	7208,4	9600,0	11203,9	1,2	1,4	1,4
processed fruits and vegetables	5358,8	7019,6	9769,8	0,9	1,0	1,2
alcoholic beverages	37849,0	47127,9	53483,7	6,5	7,1	6,7
other non-alcoholic beverages	12902,3	16171,3	19145,5	2,2	2,4	2,4
including						
juices	2887,5	3552,2	4365,3	0,5	0,5	0,6
mineral waters	4357,0	5714,1	7149,8	0,7	0,9	0,9
coffee, tea, cocoa and spices	9034,9	10523,4	12034,4	1,5	1,6	1,5
including						
coffee	4904,2	5852,9	6655,5	0,8	0,9	0,8
tea	2740,2	3131,4	3512,8	0,5	0,5	0,4
homogenized and dietetic foods (including baby foods)	2476,7	3663,3	5412,5	0,4	0,5	0,7
other food products	23694,8	28290,5	27995,8	4,1	4,2	3,5
including						
sugar	2785,1	2471,5	2714,3	0,5	0,4	0,3
flour	1117,9	1304,8	1687,1	0,2	0,2	0,2
cereals	4134,6	4650,3	5146,1	0,7	0,7	0,6
macaroni	3018,8	3657,5	3835,1	0,5	0,5	0,5
edible salt	293,1	380,4	393,1	0,1	0,1	0,0
tobacco products (including related products)	18107,4	19926,6	24805,9	3,1	3,0	3,1

DOMESTIC TRADE

Table 23.9 continued

	Mln. UAH			Percent of total		
	2017	2018	2019	2017	2018	2019
Manufactured goods	353126,0	378673,7	456891,3	60,2	56,7	57,6
textile goods, curtains, drapes and tulle	1835,4	2391,7	2667,6	0,3	0,4	0,3
clothes	17580,4	21075,3	25588,9	3,0	3,2	3,2
footwear	5784,3	6155,0	8001,3	1,0	0,9	1,0
cosmetic products and products for toilets	20637,7	23678,1	30377,7	3,5	3,5	3,8
watches and jewellery	281,2	841,2	1945,7	0,0	0,1	0,3
books, newspapers, magazines	1471,7	1712,4	1755,3	0,2	0,3	0,2
stationery	1405,7	1706,2	1750,2	0,2	0,3	0,2
computers, networking, software	4511,9	4790,8	7530,5	0,8	0,7	1,0
household electrical appliances and electronic equipment for receiving, recording, reproducing sound and images	4036,0	6521,6	7168,9	0,7	1,0	0,9
telecommunication equipment	14516,5	13319,4	15588,5	2,5	2,0	2,0
including telephone sets mobile	11973,9	11671,1	13737,9	2,0	1,7	1,7
games and toys	2901,0	3616,4	4556,6	0,5	0,5	0,6
motorcycles, parts and accessories	229,6	239,3	416,3	0,0	0,0	0,1
cars, parts and accessories	47486,1	48408,0	60806,9	8,1	7,3	7,7
including cars	40800,9	41483,1	51959,2	7,0	6,2	6,5
tools and equipment for camping, sports	1529,8	2164,1	2627,2	0,3	0,3	0,3
furniture	3354,4	4266,0	5791,4	0,6	0,6	0,7
wallpaper, floor coverings, carpets and rugs	5083,3	5848,3	6259,7	0,9	0,9	0,8
household electrical appliances	17795,0	19478,1	22083,7	3,0	2,9	2,8
lighting accessories	1647,7	1864,6	3303,6	0,3	0,3	0,4
ceramics, glass, wood, cork, wicker, cutlery, non-electric household products	4428,9	6057,5	7088,6	0,8	0,9	0,9
construction materials and products of iron	20245,1	23331,4	24860,8	3,4	3,5	3,1
gardening equipment and inventory, hand tools	3356,3	4113,3	4738,9	0,6	0,6	0,6
pharmaceuticals	55226,0	65477,3	78275,0	9,4	9,8	9,9
medical and orthopedic goods	8697,9	10501,3	13801,2	1,5	1,6	1,7
petrol engine	36671,8	27621,1	29832,9	6,3	4,1	3,8
gas oil (diesel fuel)	25080,0	20331,8	24110,3	4,3	3,0	3,0
propane, butane and methane for cars	13734,1	12587,0	15445,1	2,3	1,9	2,0
animals - pets and food for them	1612,5	2425,4	3493,4	0,3	0,4	0,4
other manufactured goods	31985,7	38151,1	47025,1	5,4	5,7	5,9
including detergents, household cleaning and care products	10842,7	14133,1	16790,2	1,8	2,1	2,1

DOMESTIC TRADE

**23.10. Share of sale of goods produced on the territory of Ukraine and sold
by retail trade enterprises**

	<i>(percent)</i>		
	2017	2018	2019
All commodities	52,3	53,2	52,4
Food products	82,2	81,4	80,0
meat	95,6	96,5	97,1
meat products	93,7	94,1	93,2
fish, crustaceans and molluscs (including fish products)	61,8	60,6	72,9
dairy products	90,4	89,6	89,4
including			
milk	—	—	95,5
rennet cheese, processed and lactic cheese	85,1	83,7	80,3
butter and pasty dairy products	96,1	96,5	96,4
eggs	98,5	99,2	99,1
edible oils and fats	92,9	92,9	86,5
including vegetable oil	92,6	92,8	84,0
bakery products and flour confectionery	95,1	95,3	92,9
including flour confectionery	93,1	93,5	90,1
sugar confectionery	85,9	85,1	76,1
fresh fruit and vegetables	56,3	57,3	46,2
including fresh vegetables	84,2	85,4	70,5
processed fruit and vegetables	67,2	65,5	69,8
alcoholic beverages	77,5	75,3	73,4
other non-alcoholic beverages	91,7	91,7	89,8
including			
juices	93,5	94,7	94,1
mineral waters	89,7	88,9	86,4
coffee, tea, cocoa and spices	55,2	54,6	69,2
including			
coffee	42,2	40,2	65,8
tea	74,0	76,1	72,9
homogenized and dietetic foods (including baby foods)	42,8	42,6	59,9
other food products	85,5	84,3	81,8
including			
sugar	97,1	96,9	96,3
flour	94,9	94,7	91,9
cereals	92,6	92,1	79,9
macaroni	74,9	72,9	65,8
edible salt	95,0	94,9	93,4
tobacco products (including related products)	88,1	87,0	85,7

DOMESTIC TRADE

Table 23.10 continued

	2017	2018	2019
Manufactured goods	32,6	31,7	32,0
textile goods, curtains, drapes and tulle	25,9	28,7	34,6
clothes	8,2	8,8	7,7
footwear	3,7	4,2	6,0
cosmetic products and products for toilets	17,6	18,9	23,7
watches and jewellery	14,9	4,8	3,3
books, newspapers, magazines	79,8	79,7	84,0
stationery	50,4	51,2	55,0
computers, networking, software	1,0	1,9	3,1
household electrical appliances and electronic equipment for receiving, recording, reproducing sound and images	0,4	0,4	0,5
telecommunication equipment	0,1	0,1	0,2
including telephone sets mobile	0,0	0,0	0,1
games and toys	13,2	13,1	15,7
motorcycles, parts and accessories	1,4	2,2	2,0
cars, parts and accessories	5,3	4,4	4,1
including cars	3,2	3,6	2,3
tools and equipment for camping, sports	21,7	21,6	27,1
furniture	43,6	48,3	51,4
wallpaper, floor coverings, carpets and rugs	44,6	45,3	46,3
household electrical appliances	8,0	8,3	8,5
lighting accessories	37,4	38,2	38,6
ceramics, glass, wood, cork, wicker, cutlery, non-electric household products	32,6	30,8	46,6
construction materials and products of iron	55,1	56,1	55,1
gardening equipment and inventory, hand tools	41,4	39,1	38,2
pharmaceuticals	49,8	50,2	50,0
medical and orthopedic goods	42,6	43,8	46,5
petrol engine	58,6	58,1	60,5
gas oil (diesel fuel)	52,7	52,3	57,8
propane, butane and methane for cars	60,5	53,7	57,9
animals - pets and pet food	23,9	21,2	30,7
other manufactured goods	30,3	31,5	28,8
including detergents, household cleaning and care products	32,4	31,4	32,3

DOMESTIC TRADE

23.11. Retail sales of retail enterprises by product groups*(thsd.t)*

	2017	2018	2019
Meat	195,8	213,9	186,3
Meat products	142,2	150,0	187,9
Fish, crustaceans and molluscs (including fish products)	91,3	104,7	113,3
Milk	—	—	325,5
Rennet cheese, processed and lactic cheese	76,6	88,6	101,6
Butter and pasty dairy products	24,7	25,6	29,4
Eggs, mln	2277,6	2336,4	2539,1
Vegetable oil	82,7	93,7	89,2
Flour	110,3	115,4	120,8
Cereals	189,8	200,6	205,2
Macaroni	107,2	111,3	111,3
Edible salt	59,0	62,3	57,1
Sugar	167,8	169,6	192,5
Coffee	13,3	14,7	15,5
Tea	8,3	9,0	9,1
Bakery and flour confectionery	583,4	595,3	596,7
including flour confectionery	166,5	172,5	179,3
Sugar confectionery	143,0	169,0	188,7
Fresh fruit and vegetables	853,0	933,8	960,9
including fresh vegetables	477,8	519,1	497,2
Processed fruit and vegetables	79,1	92,2	105,7
Juices, mln. dal	14,7	16,2	17,7
Mineral waters, mln. dal	60,5	71,4	85,0
Alcoholic beverages, mln. dal			
vodka and alcoholic beverages	7,3	7,6	7,4
low-alcohol beverages	3,1	3,7	3,8
wine	6,7	7,0	7,0
cognac	1,5	1,7	1,9
sparkling wines (champagne)	2,2	2,7	2,8
beer	60,7	66,4	69,7
in absolute alcohol	6,7	7,2	7,4

24. INFORMATION SOCIETY

Website is a set of webpages united by contents accessible on the Internet. Information is coded using special languages (language to describe hypertext documents (HTML, XML, Java)) that are read with the help of Web information systems for navigation and browsing such as Microsoft Internet Explorer, Opera, Mozilla Firefox, etc.

The services of cloud-based calculations are supplied (rented) from servers of services providers and permit consumers, from any computer with access to the Internet, to use the software, computer power, disk-related space, etc. for data remote processing and preservation.

E-trade is an economic activity in the

sphere of electronic buying/selling, distance sale of goods to customer by making electronic transactions through the use of information and telecommunication systems.

Volume of the sold products (goods, services) is defined according to the sale price for the finished products (goods, services) shipped outside an enterprise and which is mentioned in the documents issued as a basis for settlement with buyer/customer (including products (goods, services) according to the barter contract) less VAT.

Average number of employees includes the average number of enterprise's regular employees and contractors (those who work according to contracts and hold multiple jobs).

INFORMATION SOCIETY

**24.1. Usage of information and communication technologies at enterprises¹,
by type of economic activity**

(percent to the total number of enterprises)

	Share of enterprises that					
	had access to the Internet		had website		bought cloud computing services	
	2018	2019	2018	2019	2018	2019
Total	88,0	86,4	35,6	35,2	9,8	10,3
Manufacturing	90,0	89,5	43,7	43,2	9,3	10,0
Electricity, gas, steam and air-conditioning supply	93,2	92,3	42,2	43,0	9,7	11,6
Water supply, sewerage, waste management and remediation	93,8	92,4	22,8	25,0	7,1	8,8
Construction	87,9	83,9	25,1	24,0	8,9	8,9
Wholesale and retail trade; repair of motor vehicles and motorcycles	88,1	86,1	37,7	37,6	11,3	11,5
Transport and storage, postal and courier activities	87,8	87,9	22,4	22,1	7,5	8,1
Accommodation and food service activities	81,4	77,2	37,2	36,8	8,3	9,5
Information and communication	90,0	89,2	57,4	57,1	15,4	17,5
Real estate activities	87,8	86,3	23,4	24,5	6,8	6,7
Professional, scientific and technical activities	88,4	87,2	44,6	43,6	13,1	13,6
Administrative and support service activities	80,4	78,2	23,6	22,9	8,6	8,3
Other services	94,1	86,6	58,8	59,7	19,1	11,9

¹ Here and elsewhere (Table 24.2–24.4) data are given on enterprises with an average number of employees of 10 people and more

**24.2. Usage of information and communication technologies at enterprises
by average number of employees**

(percent to the total number of enterprises)

	Share of enterprises that during the year					
	had access to the Internet		had website		bought cloud computing services	
	2018	2019	2018	2019	2018	2019
Enterprises, total	88,0	86,4	35,6	35,2	9,8	10,3
of which with the average number of workers, persons						
10-49	86,3	84,4	30,9	30,4	8,6	8,9
50-249	93,5	93,0	47,7	47,7	12,4	13,4
250 and more	95,9	94,8	68,3	68,3	19,6	21,5

INFORMATION SOCIETY

24.3. Electronic commerce at enterprises by type of economic activity

(percent)

	Proportion of the number of enterprises that received orders via the Internet for the sale of goods or services (excluding orders received by e-mail) in the total number of enterprises		Share of the volume of sold products (goods, services) received from trade through websites or applications in the total volume of sold products (goods, services) of enterprises	
	2018	2019	2018	2019
Total	5,0	4,8	3,5	4,5
Manufacturing	5,6	5,3	2,7	3,1
Electricity, gas, steam and air-conditioning supply	2,3	1,6	0,1	0,1
Water supply, sewerage, waste management and remediation	1,0	1,4	0,3	0,4
Construction	2,0	1,6	0,6	0,7
Wholesale and retail trade; repair of motor vehicles and motorcycles	7,5	7,4	4,7	3,7
Transport and storage, postal and courier activities	3,3	3,1	7,1	25,7
Accommodation and food service activities	9,4	10,2	6,8	8,2
Information and communication	9,4	9,0	3,0	3,5
Real estate activities	1,1	0,7	1,7	0,2
Professional, scientific and technical activities	3,0	2,7	0,7	0,6
Administrative and support service activities	3,9	3,5	7,6	3,7
Other services	7,4	4,5	0,9	0,8

24.4. Electronic commerce at retail enterprises by the average number of workers

(percent)

	Proportion of the number of enterprises that received orders via the Internet for the sale of goods or services (excluding orders received by e-mail) in the total number of enterprises		Share of the volume of sold products (goods, services) received from trade through websites or applications in the total volume of sold products (goods, services) of enterprises	
	2018	2019	2018	2019
Total	5,0	4,8	3,5	4,5
of which with the average number of workers, persons				
10–49	4,2	4,1	1,9	1,9
50–249	7,0	6,7	3,7	3,6
250 and more	10,6	10,3	4,0	6,0

25. ACTIVITY OF ENTERPRISES

The section contains information on the basic statistical indicators, which characterise conditions and tendencies for development of business entities, which covered enterprises-legal persons and natural persons-entrepreneurs.

The enterprise-legal person (further – the enterprise) – the independent business entity created by competent body of the government authority or local administration or other economic player to satisfy public and personal requirements by regular performance of production, research, trade or other economic activities according to the order stipulated by the *Business Code of Ukraine* and other laws. The enterprise does not incorporate other legal persons, but has the right to create subsidiaries, representations, branches and other separated subdivisions, which have no status of the legal person.

The natural person-entrepreneur – a natural person registered under a stated order with the purpose to realize an entrepreneurial activity.

Statistical data for 2010, 2015/2019 regarding the basic indicators of enterprises' activities by their size are compiled using the criteria for large, middle-sized, small and micro enterprises specified in the *Business Code of Ukraine* as worded as of March 22, 2012, namely:

micro enterprises are entities of any organisational and legal form and form of ownership where during the reference period (calendar year) the average number of employees does not exceed 10 persons and the annual revenue from any activity does not exceed a sum equal to 2 million euros fixed by the average annual rate of the National Bank of Ukraine;

small enterprises are entities of any organisational and legal form and form of ownership where during the reference

period (calendar year) the average number of employees does not exceed 50 persons and the annual revenue from any activity does not exceed a sum equal to 10 million euros fixed by the average annual rate of the National Bank of Ukraine;

large enterprises are entities of any organisational and legal form and form of ownership where during the reference period (calendar year) the average number of employees does not exceed 250 persons and the annual revenue from any activity exceed a sum equal to 50 million euros fixed by the average annual rate of the National Bank of Ukraine;

middle-sized enterprises are other entities.

Number of persons employed workers includes regular employees, those not on the permanent staff and unpaid (owners, founders of an enterprises and members of their families) employees of an enterprise.

Number of employees incorporates regular employees and those not on the permanent staff (working under contracts and in more than one job) at an enterprise.

Volume of sold products (goods, services) is calculated using the prices of final products (goods and services) shipped outside the business that is mentioned in the processed documents which are used as a framework for settlement with a customer (client) (including products (goods, services) by barter contracts) less indirect tax on value added.

Assets are resources controlled by an enterprise as a result of the past events and whose uses, as expected, will lead to the acquisition of economic benefits in the future.

Liabilities are arrears of an enterprise that resulted from the past events and whose debt service in the future will lead to decrease in enterprise's resources that embody the economic benefits.

ACTIVITY OF ENTERPRISES

Equity capital is the difference between the enterprises' assets and liabilities.

Financial outcome before taxation (profits, losses) is an algebraic sum of profits (losses) that an enterprise received from operating activity, financial and other income (profit), financial and other expenditure (losses).

Rate profitability of operating activity is a ratio of financial outcome stemming from operating activity to expenditure on operating activity of the enterprises.

Financial outcome from operating activity (profits, losses) is an algebraic sum of

gross profit (loss), other operating income, administrative expenditures, expenditure on sales and other operating expenditures.

Operating activity is the main activity of an enterprise as well as other types of activities which are neither investment or financial.

The information for 2019 is detailed by type of economic activities; it is resulted without taking into account changes of the major type of economic activity of enterprises.

The information is given excluding the performance of budget institutions.

ACTIVITY OF ENTERPRISES

25.1. Indicators of business entities' activity¹

	2010	2015	2017	2018	2019
Number of business entities					
Total, thsd. Units	2184,1	1974,4	1805,1	1839,8	1941,7
Enterprises					
percent of total entities	17,4	17,4	18,7	19,4	19,6
per 10 thsd. present population, units	83	80	80	84	91
natural persons-entrepreneurs					
percent of total entities	82,6	82,6	81,3	80,6	80,4
per 10 thsd. present population, units	394	381	345	351	371
Number of persons employed					
Total, thsd. Persons	11000,5	8331,9	8271,3	8601,2	8917,6
Enterprises					
thsd. Persons	8186,0	6041,6	5943,2	6028,2	6307,3
percent of total persons employed	74,4	72,5	71,9	70,1	70,7
natural persons-entrepreneurs					
thsd. Persons	2814,5	2290,3	2328,1	2573,0	2610,3
percent of total persons employed	25,6	27,5	28,1	29,9	29,3
Number of employees					
Total, thsd. Persons	9073,6	6589,5	6706,2	7026,8	7191,8
Enterprises					
thsd. Persons	8064,2	5930,0	5844,9	5937,5	6142,6
percent of total employees	88,9	90,0	87,2	84,5	85,4
natural persons-entrepreneurs					
thsd. Persons	1009,4	659,5	861,3	1089,3	1049,2
percent of total employees	11,1	10,0	12,8	15,5	14,6
Volume of the sold products (goods, services)					
Total, mln. UAH	3692554,4	5716431,0	8467031,9	9997634,5	10206913,0
Enterprises					
mln. UAH	3462136,2	5318957,7	7862695,2	9236879,5	9322530,8
percent of total volume of the sold products (goods, services)	93,8	93,0	92,9	92,4	91,3
natural persons-entrepreneurs					
mln. UAH	230418,2	397473,3	604336,7	760755,0	884382,2
percent of total volume of the sold products (goods, services)	6,2	7,0	7,1	7,6	8,7

¹ Taking into account the results of banks

ACTIVITY OF ENTERPRISES

25.2. Number of entities by type of economic activity and distribution into enterprises and natural persons-entrepreneurs

	2010	2015	2017	2018	2019
Total¹, thsd. units	2184,1	1974,4	1805,1	1839,8	1941,7
percent					
enterprises	17,4	17,4	18,7	19,4	19,6
natural persons-entrepreneurs	82,6	82,6	81,3	80,6	80,4
Agriculture, forestry and fishing					
thsd. units	80,3	79,3	76,6	76,3	75,5
percent					
enterprises	63,1	59,0	65,4	66,2	66,6
natural persons-entrepreneurs	36,9	41,0	34,6	33,8	33,4
Industry					
thsd. units	152,0	135,1	123,9	126,3	130,5
percent					
enterprises	31,5	31,5	33,9	35,6	36,7
natural persons-entrepreneurs	68,5	68,5	66,1	64,4	63,3
Construction					
thsd. units	75,2	55,1	50,3	52,6	56,9
percent					
enterprises	50,8	52,9	54,7	56,3	56,1
natural persons-entrepreneurs	49,2	47,1	45,3	43,7	43,9
Wholesale and retail trade; repair of motor vehicles and motorcycles					
thsd. units	1197,3	989,1	837,8	818,6	834,6
percent					
enterprises	9,2	9,5	10,7	11,5	12,2
natural persons-entrepreneurs	90,8	90,5	89,3	88,5	87,8
Transportation and storage, postal and courier activities					
thsd. units	145,9	119,0	95,8	90,5	96,1
percent					
enterprises	9,3	12,7	15,9	17,7	18,1
natural persons-entrepreneurs	90,7	87,3	84,1	82,3	81,9
Accommodation and food service activities					
thsd. units	50,0	58,4	57,6	61,8	69,7
percent					
enterprises	19,5	13,2	12,7	12,3	11,3
natural persons-entrepreneurs	80,5	86,8	87,3	87,7	88,7
Information and communication					
thsd. units	56,0	116,1	146,9	174,6	206,1
percent					
enterprises	23,6	11,7	9,1	8,3	7,7
natural persons-entrepreneurs	76,4	88,3	90,9	91,7	92,3

ACTIVITY OF ENTERPRISES

Table 25.2 continued

	2010	2015	2017	2018	2019
Financial and insurance activities					
thsd. units	14,6	12,4	10,3	9,9	10,2
percent					
enterprises	40,4	36,0	39,5	43,4	42,2
natural persons-entrepreneurs	59,6	64,0	60,5	56,6	57,8
Real estate activities					
thsd. units	50,4	94,1	90,6	92,5	97,7
percent					
enterprises	54,8	34,8	37,6	38,3	39,2
natural persons-entrepreneurs	45,2	65,2	62,4	61,7	60,8
Professional, scientific and technical activities					
thsd. units	120,7	131,0	121,5	126,2	134,9
percent					
enterprises	26,7	22,7	22,6	22,8	22,8
natural persons-entrepreneurs	73,3	77,3	77,4	77,2	77,2
Administrative and support service activities					
thsd. units	72,6	47,4	46,5	49,1	53,7
percent					
enterprises	22,1	33,0	34,2	35,0	35,0
natural persons-entrepreneurs	77,9	67,0	65,8	65,0	65,0
Education					
thsd. units	10,8	10,9	11,6	13,2	15,4
percent					
enterprises	22,6	19,2	18,0	17,4	16,9
natural persons-entrepreneurs	77,4	80,8	82,0	82,6	83,1
Human health and social work activities					
thsd. units	18,2	21,7	22,1	25,0	31,0
percent					
enterprises	25,7	19,9	19,5	22,0	22,3
natural persons-entrepreneurs	74,3	80,1	80,5	78,0	77,7
Arts, entertainment and recreation					
thsd. units	11,9	14,9	13,0	13,8	15,2
percent					
enterprises	17,5	14,0	14,8	15,2	15,8
natural persons-entrepreneurs	82,5	86,0	85,2	84,8	84,2
Other services					
thsd. units	128,2	89,9	100,6	109,4	114,2
percent					
enterprises	3,6	4,3	3,4	3,1	3,0
natural persons-entrepreneurs	96,4	95,7	96,6	96,9	97,0

¹ See the footnote to Table 25.1

ACTIVITY OF ENTERPRISES

25.3. Number of employees at entities by type of economic activity and distribution into enterprises and natural persons-entrepreneurs

	2010	2015	2017	2018	2019
Total¹, thsd. persons	11000,5	8331,9	8271,3	8601,2	8917,6
percent					
enterprises	74,4	72,5	71,9	70,1	70,7
natural persons-entrepreneurs	25,6	27,5	28,1	29,9	29,3
Agriculture, forestry and fishing					
thsd. persons	811,7	642,6	635,7	620,9	598,8
percent					
enterprises	94,7	93,0	93,3	92,8	92,7
natural persons-entrepreneurs	5,3	7,0	6,7	7,2	7,3
Industry					
thsd. persons	3291,9	2417,8	2334,2	2308,6	2225,5
percent					
enterprises	93,9	93,1	92,2	91,0	91,1
natural persons-entrepreneurs	6,1	6,9	7,8	9,0	8,9
Construction					
thsd. persons	524,0	282,5	293,7	310,4	331,3
percent					
enterprises	90,1	87,8	87,8	87,1	87,0
natural persons-entrepreneurs	9,9	12,2	12,2	12,9	13,0
Wholesale and retail trade; repair of motor vehicles and motorcycles					
thsd. persons	2961,0	2202,1	2223,1	2345,8	2321,6
percent					
enterprises	41,9	42,0	44,5	43,6	44,1
natural persons-entrepreneurs	58,1	58,0	55,5	56,4	55,9
Transportation and storage, postal and courier activities					
thsd. persons	1133,0	931,3	900,7	897,9	893,7
percent					
enterprises	82,0	83,4	84,8	84,1	83,3
natural persons-entrepreneurs	18,0	16,6	15,2	15,9	16,7
Accommodation and food service activities					
thsd. persons	249,3	195,2	224,2	268,3	277,3
percent					
enterprises	54,0	45,0	41,4	36,2	36,2
natural persons-entrepreneurs	46,0	55,0	58,6	63,8	63,8
Information and communication					
thsd. persons	284,4	275,1	303,1	330,4	363,1
percent					
enterprises	82,1	60,5	52,5	47,6	44,0
natural persons-entrepreneurs	17,9	39,5	47,5	52,4	56,0

ACTIVITY OF ENTERPRISES

Table 25.3 continued

	2010	2015	2017	2018	2019
Financial and insurance activities					
thsd. persons	318,8	214,8	201,1	206,7	205,9
percent					
enterprises	96,9	96,1	96,6	97,0	96,8
natural persons-entrepreneurs	3,1	3,9	3,4	3,0	3,2
Real estate activities					
thsd. persons	274,1	239,0	232,7	234,9	248,1
percent					
enterprises	88,6	70,2	69,9	68,6	69,4
natural persons-entrepreneurs	11,4	29,8	30,1	31,4	30,6
Professional, scientific and technical activities					
thsd. persons	405,7	318,7	305,3	308,3	336,5
percent					
enterprises	74,2	63,8	62,9	60,8	61,8
natural persons-entrepreneurs	25,8	36,2	37,1	39,2	38,2
Administrative and support service activities					
thsd. persons	337,9	291,5	280,8	257,5	283,3
percent					
enterprises	78,5	85,4	83,3	79,0	79,5
natural persons-entrepreneurs	21,5	14,6	16,7	21,0	20,5
Education					
thsd. persons	46,7	30,7	32,0	34,0	40,2
percent					
enterprises	76,4	63,8	56,9	49,1	50,7
natural persons-entrepreneurs	23,6	36,2	43,1	50,9	49,3
Human health and social work activities					
thsd. persons	112,1	110,2	117,4	273,2	582,1
percent					
enterprises	81,5	78,3	75,0	86,7	92,4
natural persons-entrepreneurs	18,5	21,7	25,0	13,3	7,6
Arts, entertainment and recreation					
thsd. persons	42,5	48,8	45,1	48,9	50,0
percent					
enterprises	67,1	64,1	59,0	53,6	53,8
natural persons-entrepreneurs	32,9	35,9	41,0	46,4	46,2
Other services					
thsd. persons	207,4	131,6	142,2	155,4	160,2
percent					
enterprises	20,5	17,9	14,0	10,6	11,5
natural persons-entrepreneurs	79,5	82,1	86,0	89,4	88,5

¹ See the footnote to Table 25.1

ACTIVITY OF ENTERPRISES

25.4. Number of wage-workers at entities by type of economic activity and distribution into enterprises and natural persons-entrepreneurs

	2010	2015	2017	2018	2019
Total¹, thsd. persons	9073,6	6589,5	6706,2	7026,8	7191,8
percent					
enterprises	88,9	90,0	87,2	84,5	85,4
natural persons-entrepreneurs	11,1	10,0	12,8	15,5	14,6
Agriculture, forestry and fishing					
thsd. persons	738,5	581,8	574,2	559,6	541,9
percent					
enterprises	98,1	97,9	97,2	96,6	96,6
natural persons-entrepreneurs	1,9	2,1	2,8	3,4	3,4
Industry					
thsd. persons	3178,5	2314,6	2243,3	2218,2	2123,8
percent					
enterprises	97,0	96,8	95,5	94,3	94,6
natural persons-entrepreneurs	3,0	3,2	4,5	5,7	5,4
Construction					
thsd. persons	477,7	247,6	265,0	283,2	290,9
percent					
enterprises	96,9	96,6	95,1	94,0	93,7
natural persons-entrepreneurs	3,1	3,4	4,9	6,0	6,3
Wholesale and retail trade; repair of motor vehicles and motorcycles					
thsd. persons	1847,8	1280,9	1456,8	1606,5	1553,2
percent					
enterprises	65,8	70,3	66,7	62,7	63,6
natural persons-entrepreneurs	34,2	29,7	33,3	37,3	36,4
Transportation and storage, postal and courier activities					
thsd. persons	996,7	823,6	816,8	821,0	808,7
percent					
enterprises	92,8	93,8	93,2	91,7	91,3
natural persons-entrepreneurs	7,2	6,2	6,8	8,3	8,7
Accommodation and food service activities					
thsd. persons	206,5	142,1	172,3	212,6	212,0
percent					
enterprises	63,9	60,2	53,0	45,0	45,7
natural persons-entrepreneurs	36,1	39,8	47,0	55,0	54,3
Information and communication					
thsd. persons	239,1	168,5	166,4	166,9	165,7
percent					
enterprises	96,6	96,3	93,6	92,2	92,0
natural persons-entrepreneurs	3,4	3,7	6,4	7,8	8,0

ACTIVITY OF ENTERPRISES

Table 25.4 continued

	2010	2015	2017	2018	2019
Financial and insurance activities					
thsd. persons	309,1	205,8	194,1	200,3	198,1
percent					
enterprises	99,6	99,8	99,7	99,7	99,7
natural persons-entrepreneurs	0,4	0,2	0,3	0,3	0,3
Real estate activities					
thsd. persons	242,9	168,0	167,3	172,8	172,6
percent					
enterprises	96,5	94,1	91,9	90,3	90,4
natural persons-entrepreneurs	3,5	5,9	8,1	9,7	9,6
Professional, scientific and technical activities					
thsd. persons	310,1	208,3	204,8	203,9	217,6
percent					
enterprises	94,8	93,2	90,6	88,5	88,8
natural persons-entrepreneurs	5,2	6,8	9,4	11,5	11,2
Administrative and support service activities					
thsd. persons	276,5	255,5	246,8	221,5	240,7
percent					
enterprises	94,1	95,8	93,4	89,9	90,4
natural persons-entrepreneurs	5,9	4,2	6,6	10,1	9,6
Education					
thsd. persons	37,6	21,3	22,1	22,5	26,3
percent					
enterprises	93,1	89,2	80,5	72,0	73,4
natural persons-entrepreneurs	6,9	10,8	19,5	28,0	26,6
Human health and social work activities					
thsd. persons	97,3	91,7	98,9	252,7	556,1
percent					
enterprises	92,7	92,9	88,2	93,4	96,3
natural persons-entrepreneurs	7,3	7,1	11,8	6,6	3,7
Arts, entertainment and recreation					
thsd. persons	32,4	35,4	33,5	36,6	36,2
percent					
enterprises	87,0	86,7	77,9	69,7	71,5
natural persons-entrepreneurs	13,0	13,3	22,1	30,3	28,5
Other services					
thsd. persons	82,9	44,4	43,9	48,5	48,0
percent					
enterprises	50,1	50,2	42,8	32,0	35,6
natural persons-entrepreneurs	49,9	49,8	57,2	68,0	64,4

¹ See the footnote to Table 25.1

ACTIVITY OF ENTERPRISES

25.5. Volume of the sold products (goods, services) of entities by type of economic activity and distribution into enterprises and natural persons-entrepreneurs

	2010	2015	2017	2018	2019
Total¹, mln. UAH	3692554,4	5716431,0	8467031,9	9997634,5	10206913,0
percent					
enterprises	93,8	93,0	92,9	92,4	91,3
natural persons-entrepreneurs	6,2	7,0	7,1	7,6	8,7
Agriculture, forestry and fishing					
mln. UAH	103561,2	372033,4	467636,1	532533,5	555187,8
percent					
enterprises	96,5	97,4	97,2	97,1	97,0
natural persons-entrepreneurs	3,5	2,6	2,8	2,9	3,0
Industry					
mln. UAH	1173801,8	1917185,6	2862308,9	3300726,9	3211889,5
percent					
enterprises	98,8	98,5	98,4	98,4	98,2
natural persons-entrepreneurs	1,2	1,5	1,6	1,6	1,8
Construction					
mln. UAH	101991,1	150540,5	236497,2	308805,9	362772,2
percent					
enterprises	94,8	94,9	93,6	93,7	93,3
natural persons-entrepreneurs	5,2	5,1	6,4	6,3	6,7
Wholesale and retail trade; repair of motor vehicles and motorcycles					
mln. UAH	1555284,6	2159334,2	3351185,8	3983571,7	4006463,8
percent					
enterprises	90,4	90,5	91,4	91,3	90,3
natural persons-entrepreneurs	9,6	9,5	8,6	8,7	9,7
Transportation and storage, postal and courier activities					
mln. UAH	160170,2	322291,2	479013,7	560518,9	583363,2
percent					
enterprises	89,8	91,2	91,3	90,4	89,7
natural persons-entrepreneurs	10,2	8,8	8,7	9,6	10,3
Accommodation and food service activities					
mln. UAH	16578,9	29069,3	48965,2	63344,3	75062,0
percent					
enterprises	70,0	62,8	60,3	57,5	52,5
natural persons-entrepreneurs	30,0	37,2	39,7	42,5	47,5
Information and communication					
mln. UAH	73015,0	141479,6	216803,8	273104,6	326541,6
percent					
enterprises	90,3	71,1	64,2	60,3	58,2
natural persons-entrepreneurs	9,7	28,9	35,8	39,7	41,8

ACTIVITY OF ENTERPRISES

Table 25.5 continued

	2010	2015	2017	2018	2019
Financial and insurance activities					
mln. UAH	264857,9	236454,9	222521,6	282937,4	297634,9
percent					
enterprises	98,7	99,0	98,6	98,7	98,5
natural persons-entrepreneurs	1,3	1,0	1,4	1,3	1,5
Real estate activities					
mln. UAH	42242,0	90298,1	121182,1	143263,5	159273,4
percent					
enterprises	86,4	83,4	82,1	79,5	80,4
natural persons-entrepreneurs	13,6	16,6	17,9	20,5	19,6
Professional, scientific and technical activities					
mln. UAH	151520,8	206687,6	326310,7	381954,8	405169,1
percent					
enterprises	95,0	87,4	87,2	85,7	83,9
natural persons-entrepreneurs	5,0	12,6	12,8	14,3	16,1
Administrative and support service activities					
mln. UAH	28731,7	57318,1	81057,4	94733,1	118885,2
percent					
enterprises	82,7	85,9	82,6	79,8	79,7
natural persons-entrepreneurs	17,3	14,1	17,4	20,2	20,3
Education					
mln. UAH	1943,8	3101,7	5013,0	6691,3	9442,7
percent					
enterprises	79,9	63,7	54,1	49,7	49,2
natural persons-entrepreneurs	20,1	36,3	45,9	50,3	50,8
Human health and social work activities					
mln. UAH	7663,6	12991,0	21525,5	30962,8	55092,1
percent					
enterprises	85,1	81,4	81,3	82,3	86,5
natural persons-entrepreneurs	14,9	18,6	18,7	17,7	13,5
Arts, entertainment and recreation					
mln. UAH	3359,1	6955,5	10552,4	13429,4	14502,3
percent					
enterprises	83,1	71,8	63,4	60,3	52,4
natural persons-entrepreneurs	16,9	28,2	36,6	39,7	47,6
Other services					
mln. UAH	7832,7	10690,3	16458,5	21056,4	25633,2
percent					
enterprises	29,3	31,6	26,5	24,5	20,8
natural persons-entrepreneurs	70,7	68,4	73,5	75,5	79,2

¹ See the footnote to Table 25.1

ACTIVITY OF ENTERPRISES

25.6. Distribution of large, medium, small and micro-enterprises by type of economic activity

	2010	2015	2017	2018	2019
Total¹, units	378810	343440	338256	355877	380598
percent					
large enterprises	0,2	0,1	0,1	0,1	0,1
middle-sized enterprises	5,5	4,4	4,4	4,5	4,7
small enterprises	94,3	95,5	95,5	95,4	95,2
of which micro enterprises	79,3	82,8	82,2	82,3	82,3
Agriculture, forestry and fishing					
units	50666	46744	50115	50504	50313
percent					
large enterprises	0,0	0,1	0,0	0,0	0,1
middle-sized enterprises	6,8	5,4	4,8	4,6	4,5
small enterprises	93,2	94,5	95,2	95,4	95,4
of which micro enterprises	84,8	83,9	84,8	85,0	84,9
Industry					
units	47827	42564	42026	44425	47933
percent					
large enterprises	0,7	0,6	0,5	0,5	0,5
middle-sized enterprises	12,8	11,0	11,3	11,0	10,4
small enterprises	86,5	88,4	88,2	88,5	89,1
of which micro enterprises	64,3	68,2	66,6	67,3	68,8
Construction					
units	38215	29165	27468	29590	31856
percent					
large enterprises	0,0	0,0	0,0	0,0	0,0
middle-sized enterprises	3,9	2,7	2,9	2,9	2,9
small enterprises	96,1	97,3	97,1	97,1	97,1
of which micro enterprises	79,9	84,0	81,8	81,3	81,5
Wholesale and retail trade; repair of motor vehicles and motorcycles					
units	110154	93643	89538	93590	101885
percent					
large enterprises	0,2	0,1	0,1	0,2	0,1
middle-sized enterprises	3,7	2,9	3,2	3,2	3,2
small enterprises	96,1	97,0	96,7	96,6	96,7
of which micro enterprises	82,7	86,1	85,1	85,3	85,6

ACTIVITY OF ENTERPRISES

Table 25.6 continued

	2010	2015	2017	2018	2019
Transportation and storage, postal and courier activities					
units	13603	15148	15252	16085	17417
percent					
large enterprises	0,3	0,2	0,1	0,1	0,2
middle-sized enterprises	9,1	7,3	7,2	7,0	6,6
small enterprises	90,6	92,5	92,7	92,9	93,2
of which micro enterprises	69,0	75,7	75,2	75,5	76,6
Accommodation and food service activities					
units	9777	7700	7285	7535	7913
percent					
large enterprises	0,0	0,0	0,0	0,0	0,0
middle-sized enterprises	4,3	3,2	3,6	3,5	3,5
small enterprises	95,7	96,8	96,4	96,5	96,5
of which micro enterprises	76,1	81,5	79,7	79,8	79,9
Information and communication					
units	13189	13617	13413	14515	15880
percent					
large enterprises	0,1	0,0	0,1	0,0	0,0
middle-sized enterprises	3,1	2,5	2,4	2,3	2,2
small enterprises	96,8	97,5	97,5	97,7	97,8
of which micro enterprises	81,3	84,7	85,0	85,6	86,2
Financial and insurance activities					
units	5702	4333	3981	4058	4149
percent					
large enterprises	0,1	0,0	—	0,0	0,1
middle-sized enterprises	7,8	6,8	6,2	6,6	7,0
small enterprises	92,1	93,2	93,8	93,4	92,9
of which micro enterprises	78,9	79,3	79,6	79,4	78,1
Real estate activities					
units	27603	32719	34058	36332	38330
percent					
large enterprises	0,0	0,0	0,0	0,0	0,0
middle-sized enterprises	2,7	1,5	1,1	1,2	1,2
small enterprises	97,3	98,5	98,9	98,8	98,8
of which micro enterprises	83,7	89,9	91,0	91,5	91,6

ACTIVITY OF ENTERPRISES

Table 25.6 continued

	2010	2015	2017	2018	2019
Professional, scientific and technical activities					
units	32189	29780	27445	28709	30765
percent					
large enterprises	0,0	0,0	0,0	0,0	0,0
middle-sized enterprises	2,9	2,1	2,0	1,9	1,9
small enterprises	97,1	97,9	98,0	98,1	98,1
of which micro enterprises	85,4	89,9	89,5	89,6	89,9
Administrative and support service activities					
units	16011	15646	15936	17290	18806
percent					
large enterprises	0,0	0,0	0,0	0,0	0,0
middle-sized enterprises	6,6	5,7	5,2	4,9	4,5
small enterprises	93,4	94,3	94,8	95,1	95,5
of which micro enterprises	73,7	77,7	77,9	78,8	79,5
Education					
units	2454	2089	2098	2318	2640
percent					
large enterprises	0,0	—	—	—	—
middle-sized enterprises	4,4	2,6	2,4	2,4	2,0
small enterprises	95,6	97,4	97,6	97,6	98,0
of which micro enterprises	76,4	82,3	82,4	83,4	83,1
Human health and social work activities					
units	4684	4307	4301	5432	6909
percent					
large enterprises	—	—	—	—	0,0
middle-sized enterprises	6,3	6,2	6,7	18,4	30,9
small enterprises	93,7	93,8	93,3	81,6	69,1
of which micro enterprises	71,5	69,2	65,4	54,8	44,8
Arts, entertainment and recreation					
units	2078	2089	1926	2135	2363
percent					
large enterprises	0,1	0,1	0,0	0,1	0,0
middle-sized enterprises	5,1	5,9	5,7	4,8	4,3
small enterprises	94,8	94,0	94,3	95,1	95,7
of which micro enterprises	82,7	82,1	80,2	80,6	81,4
Other services					
units	4658	3896	3414	3359	3439
percent					
large enterprises	—	—	—	—	—
middle-sized enterprises	2,0	1,3	1,1	1,1	1,1
small enterprises	98,0	98,7	98,9	98,9	98,9
of which micro enterprises	79,2	86,8	88,3	89,3	89,3

¹ Without taking into account the results of banks

ACTIVITY OF ENTERPRISES

**25.7. Distribution of employees at large, medium, small and micro-enterprises
by type of economic activity**

	2010	2015	2017	2018	2019
Total¹, thsd. persons	7958,2	5889,7	5812,9	5959,5	6179,6
percent					
large enterprises	30,2	29,0	26,9	26,4	25,3
middle-sized enterprises	42,6	44,2	44,6	46,1	46,8
small enterprises	27,2	26,8	28,5	27,5	27,9
of which micro enterprises	10,5	11,7	12,3	11,8	14,3
Agriculture, forestry and fishing					
thsd. persons	768,3	597,6	593,0	581,1	555,3
percent					
large enterprises	4,3	8,1	4,7	5,7	7,2
middle-sized enterprises	67,1	57,9	56,6	55,7	53,0
small enterprises	28,6	34,0	38,7	38,6	39,8
of which micro enterprises	13,2	14,9	17,6	17,9	18,8
Industry					
thsd. persons	3091,8	2252,1	2151,6	2110,0	2027,5
percent					
large enterprises	45,3	39,0	34,5	34,7	35,4
middle-sized enterprises	43,0	48,8	51,8	51,2	50,9
small enterprises	11,7	12,2	13,7	14,1	13,7
of which micro enterprises	3,0	3,6	3,9	4,0	4,8
Construction					
thsd. persons	472,1	248,1	257,8	272,2	288,1
percent					
large enterprises	2,7	1,3	1,8	2,5	2,5
middle-sized enterprises	44,3	43,7	40,1	40,2	37,3
small enterprises	53,0	55,0	58,1	57,3	60,2
of which micro enterprises	19,2	24,4	24,3	23,2	31,8
Wholesale and retail trade; repair of motor vehicles and motorcycles					
thsd. persons	1241,1	925,7	989,4	1032,4	1023,3
percent					
large enterprises	21,1	26,7	28,8	29,2	29,1
middle-sized enterprises	34,6	34,3	33,9	34,5	33,3
small enterprises	44,3	39,0	37,3	36,3	37,6
of which micro enterprises	19,6	20,0	18,5	18,1	20,2

ACTIVITY OF ENTERPRISES

Table 25.7 continued

	2010	2015	2017	2018	2019
Transportation and storage, postal and courier activities					
thsd. persons	928,5	776,5	764,2	762,3	744,7
percent					
large enterprises	60,4	59,9	58,5	58,2	57,8
middle-sized enterprises	28,9	28,9	29,4	29,4	28,2
small enterprises	10,7	11,2	12,1	12,4	14,0
of which micro enterprises	3,0	4,0	4,3	4,4	7,0
Accommodation and food service activities					
thsd. persons	134,5	87,9	92,9	98,7	100,4
percent					
large enterprises	5,4	c	c	c	c
middle-sized enterprises	42,9	c	c	c	c
small enterprises	51,7	47,6	46,1	45,7	48,3
of which micro enterprises	19,1	19,0	17,4	17,4	25,7
Information and communication					
thsd. persons	233,5	166,4	159,0	158,4	159,6
percent					
large enterprises	39,3	27,9	23,7	18,8	18,4
middle-sized enterprises	26,8	32,8	34,8	38,8	34,6
small enterprises	33,9	39,3	41,5	42,4	47,0
of which micro enterprises	14,2	18,4	19,7	20,4	27,0
Financial and insurance activities					
thsd. persons	81,2	54,6	64,0	73,6	71,7
percent					
large enterprises	22,7	c	—	c	17,2
middle-sized enterprises	44,9	c	72,1	c	57,3
small enterprises	32,4	30,9	27,9	23,4	25,5
of which micro enterprises	14,6	15,2	13,7	11,3	13,8
Real estate activities					
thsd. persons	242,8	167,7	162,6	168,0	172,1
percent					
large enterprises	c	c	c	c	c
middle-sized enterprises	c	c	c	c	c
small enterprises	64,2	73,3	76,1	73,1	77,9
of which micro enterprises	26,9	40,7	44,1	42,3	53,0

ACTIVITY OF ENTERPRISES

Table 25.7 continued

	2010	2015	2017	2018	2019
Professional, scientific and technical activities					
thsd. persons	301,1	203,4	191,9	188,7	208,1
percent					
large enterprises	2,3	3,2	c	c	c
middle-sized enterprises	46,9	43,8	c	c	c
small enterprises	50,8	53,0	55,2	52,7	55,6
of which micro enterprises	24,8	30,5	31,3	29,5	36,5
Administrative and support service activities					
thsd. persons	265,2	249,0	233,8	217,8	225,3
percent					
large enterprises	c	c	c	c	c
middle-sized enterprises	c	c	c	c	c
small enterprises	40,9	34,2	39,3	36,2	41,5
of which micro enterprises	12,0	11,6	13,8	12,5	20,4
Education					
thsd. persons	35,7	19,6	18,2	17,2	20,4
percent					
large enterprises	c	—	—	—	—
middle-sized enterprises	c	38,8	32,8	35,5	29,7
small enterprises	48,6	61,2	67,2	64,5	70,3
of which micro enterprises	17,1	25,9	28,9	25,7	35,7
Human health and social work activities					
thsd. persons	91,4	86,3	88,0	235,4	537,7
percent					
large enterprises	—	—	—	—	c
middle-sized enterprises	63,3	61,1	57,7	87,8	c
small enterprises	36,7	38,9	42,3	12,2	6,7
of which micro enterprises	13,0	13,2	12,7	2,6	3,0
Arts, entertainment and recreation					
thsd. persons	28,5	31,3	26,6	26,7	26,9
percent					
large enterprises	c	9,7	c	c	c
middle-sized enterprises	c	60,7	c	c	c
small enterprises	35,5	29,6	36,8	38,1	39,9
of which micro enterprises	14,3	11,8	13,3	12,7	16,0
Other services					
thsd. persons	42,5	23,5	19,9	17,0	18,5
percent					
large enterprises	—	—	—	—	—
middle-sized enterprises	24,7	23,7	23,1	26,5	23,8
small enterprises	75,3	76,3	76,9	73,5	76,2
of which micro enterprises	29,9	39,2	41,7	37,5	47,4

¹ See the footnote to Table 25.6

ACTIVITY OF ENTERPRISES

25.8. Distribution of wage-workers at large, medium, small and micro-enterprises by type of economic activity

	2010	2015	2017	2018	2019
Total¹, thsd. persons	7836,4	5778,1	5714,6	5870,6	6014,9
percent					
large enterprises	30,6	29,6	27,3	26,8	26,1
middle-sized enterprises	43,3	45,0	45,4	46,7	48,0
small enterprises	26,1	25,4	27,3	26,5	25,9
of which micro enterprises	9,7	10,2	10,9	10,6	12,1
Agriculture, forestry and fishing					
thsd. persons	724,8	569,4	558,1	545,7	523,7
percent					
large enterprises	4,5	8,5	4,9	6,0	7,7
middle-sized enterprises	71,1	60,7	60,1	59,3	56,2
small enterprises	24,4	30,8	35,0	34,7	36,1
of which micro enterprises	8,4	10,9	12,8	12,9	14,2
Industry					
thsd. persons	3082,5	2241,4	2142,6	2101,4	2008,4
percent					
large enterprises	45,5	39,1	34,7	34,8	35,7
middle-sized enterprises	43,1	49,0	52,0	51,4	51,4
small enterprises	11,4	11,9	13,3	13,8	12,9
of which micro enterprises	2,9	3,3	3,6	3,7	4,0
Construction					
thsd. persons	462,8	239,2	251,9	268,0	272,6
percent					
large enterprises	2,8	1,4	1,9	2,5	2,7
middle-sized enterprises	45,1	45,3	41,0	40,8	39,4
small enterprises	52,1	53,3	57,1	56,7	57,9
of which micro enterprises	18,9	21,8	22,9	22,2	28,4
Wholesale and retail trade; repair of motor vehicles and motorcycles					
thsd. persons	1215,1	899,9	971,3	1017,8	987,7
percent					
large enterprises	21,5	27,5	29,4	29,6	30,2
middle-sized enterprises	35,4	35,2	34,4	35,0	34,4
small enterprises	43,1	37,3	36,2	35,4	35,4
of which micro enterprises	19,0	17,9	17,2	17,1	17,6

ACTIVITY OF ENTERPRISES

Table 25.8 continued

	2010	2015	2017	2018	2019
Transportation and storage, postal and courier activities					
thsd. persons	924,5	772,7	760,9	760,0	738,5
percent					
large enterprises	60,6	60,2	58,7	58,3	58,3
middle-sized enterprises	29,1	29,0	29,5	29,5	28,4
small enterprises	10,3	10,8	11,8	12,2	13,3
of which micro enterprises	2,9	3,6	3,9	4,1	6,3
Accommodation and food service activities					
thsd. persons	132,0	85,5	91,3	97,2	96,9
percent					
large enterprises	5,5	c	c	c	c
middle-sized enterprises	43,8	c	c	c	c
small enterprises	50,7	46,2	45,2	44,9	46,5
of which micro enterprises	18,7	17,0	16,2	16,2	23,3
Information and communication					
thsd. persons	231,0	162,3	155,8	155,0	152,4
percent					
large enterprises	39,7	28,6	24,2	19,2	19,2
middle-sized enterprises	27,1	33,6	35,5	39,6	36,3
small enterprises	33,2	37,8	40,3	41,2	44,5
of which micro enterprises	13,9	16,5	18,2	18,8	23,7
Financial and insurance activities					
thsd. persons	80,1	53,5	63,2	72,8	69,8
percent					
large enterprises	23,0	c	—	c	17,7
middle-sized enterprises	45,5	c	72,9	c	58,8
small enterprises	31,5	29,6	27,1	22,6	23,5
of which micro enterprises	14,1	13,7	12,9	10,5	11,8
Real estate activities					
thsd. persons	234,4	158,1	153,7	163,0	156,0
percent					
large enterprises	c	c	c	c	c
middle-sized enterprises	c	c	c	c	c
small enterprises	62,9	71,7	74,7	72,3	75,6
of which micro enterprises	26,4	37,4	41,1	40,7	48,4

ACTIVITY OF ENTERPRISES

Table 25.8 continued

	2010	2015	2017	2018	2019
Professional, scientific and technical activities					
thsd. persons	294,0	194,2	185,5	181,7	193,3
percent					
large enterprises	2,3	3,4	c	c	c
middle-sized enterprises	48,0	45,9	c	c	c
small enterprises	49,7	50,7	53,7	50,9	52,2
of which micro enterprises	24,2	27,3	29,1	26,9	31,9
Administrative and support service activities					
thsd. persons	260,3	244,7	230,4	214,4	217,5
percent					
large enterprises	c	c	c	c	c
middle-sized enterprises	c	c	c	c	c
small enterprises	39,8	33,0	38,5	35,2	39,4
of which micro enterprises	11,7	10,1	12,7	11,2	17,8
Education					
thsd. persons	35,0	19,0	17,8	16,7	19,3
percent					
large enterprises	c	—	—	—	—
middle-sized enterprises	c	40,0	33,7	36,5	31,4
small enterprises	47,6	60,0	66,3	63,5	68,6
of which micro enterprises	16,7	24,0	27,4	23,7	32,2
Human health and social work activities					
thsd. persons	90,2	85,2	87,2	234,6	535,8
percent					
large enterprises	—	—	—	—	c
middle-sized enterprises	64,1	61,8	58,2	88,1	c
small enterprises	35,9	38,2	41,8	11,9	6,4
of which micro enterprises	12,7	12,3	12,0	2,3	2,7
Arts, entertainment and recreation					
thsd. persons	28,2	30,7	26,1	26,1	25,9
percent					
large enterprises	c	9,9	c	c	c
middle-sized enterprises	c	62,0	c	c	c
small enterprises	34,9	28,1	35,6	36,9	37,5
of which micro enterprises	14,1	10,0	11,6	11,1	13,1
Other services					
thsd. persons	41,5	22,3	18,8	16,2	17,1
percent					
large enterprises	—	—	—	—	—
middle-sized enterprises	25,3	25,0	24,5	27,7	25,8
small enterprises	74,7	75,0	75,5	72,3	74,2
of which micro enterprises	29,6	36,3	38,6	34,9	43,3

¹ See the footnote to Table 25.6

ACTIVITY OF ENTERPRISES

25.9. Distribution of the sold products (goods, services) of large, medium, small and micro-enterprises by type of economic activity

	2010	2015	2017	2018	2019
Total¹, mln. UAH	3366228,2	5159067,1	7707935,2	9206049,5	9121200,7
percent					
large enterprises	41,6	39,8	38,0	38,2	38,4
middle-sized enterprises	41,5	42,0	42,8	42,6	42,1
small enterprises	16,9	18,2	19,2	19,2	19,5
of which micro enterprises	5,4	6,0	6,5	6,5	6,6
Agriculture, forestry and fishing					
mln. UAH	99891,4	362310,0	454380,1	525096,9	538765,4
percent					
large enterprises	11,7	16,9	8,6	10,4	13,0
middle-sized enterprises	65,6	50,6	52,4	51,9	49,4
small enterprises	22,7	32,5	39,0	37,7	37,6
of which micro enterprises	10,0	9,4	11,9	11,6	12,0
Industry					
mln. UAH	1159231,4	1887535,4	2817768,9	3248378,6	3152545,8
percent					
large enterprises	64,3	57,1	54,6	55,1	54,2
middle-sized enterprises	31,1	36,6	38,7	37,9	39,0
small enterprises	4,6	6,3	6,7	7,0	6,8
of which micro enterprises	1,1	1,4	1,5	1,6	1,6
Construction					
mln. UAH	96725,3	142871,9	221404,9	302718,0	338613,4
percent					
large enterprises	6,4	13,4	5,0	6,3	7,7
middle-sized enterprises	55,7	42,3	45,2	45,3	42,8
small enterprises	37,9	44,3	49,8	48,4	49,5
of which micro enterprises	12,9	16,2	17,8	16,4	17,2

ACTIVITY OF ENTERPRISES

Table 25.9 continued

	2010	2015	2017	2018	2019
Wholesale and retail trade; repair of motor vehicles and motorcycles					
mln. UAH	1406132,7	1953257,7	3061652,9	3764364,9	3618983,7
percent					
large enterprises	29,3	28,9	28,5	29,3	31,1
middle-sized enterprises	45,6	47,7	47,9	48,0	46,4
small enterprises	25,1	23,4	23,6	22,7	22,5
of which micro enterprises	8,0	8,1	8,2	8,0	7,3
Transportation and storage, postal and courier activities					
mln. UAH	143791,5	293959,4	437226,5	502228,6	523315,6
percent					
large enterprises	60,9	52,1	50,9	52,8	52,7
middle-sized enterprises	28,5	34,3	33,9	30,3	30,0
small enterprises	10,6	13,6	15,2	16,9	17,3
of which micro enterprises	3,2	4,6	5,0	5,5	6,7
Accommodation and food service activities					
mln. UAH	11613,4	18250,0	29548,2	36700,0	39400,7
percent					
large enterprises	13,1	c	c	c	c
middle-sized enterprises	55,7	c	c	c	c
small enterprises	31,2	29,4	31,4	34,1	33,7
of which micro enterprises	9,2	8,8	9,4	10,5	14,3
Information and communication					
mln. UAH	65925,6	100590,4	139117,0	165282,5	189953,0
percent					
large enterprises	49,8	38,3	30,6	31,0	33,0
middle-sized enterprises	29,9	36,0	39,9	38,0	35,6
small enterprises	20,3	25,7	29,5	31,0	31,4
of which micro enterprises	7,4	9,4	12,2	13,1	13,9

ACTIVITY OF ENTERPRISES

Table 25.9 continued

	2010	2015	2017	2018	2019
Financial and insurance activities					
mln. UAH	165569,8	74175,6	64573,1	97760,3	91771,5
percent					
large enterprises	6,2	c	—	c	8,6
middle-sized enterprises	87,8	c	70,9	c	70,0
small enterprises	6,0	15,6	29,1	21,0	21,4
of which micro enterprises	1,3	2,7	6,8	4,7	4,9
Real estate activities					
mln. UAH	36482,9	75284,6	99482,4	115807,3	128041,4
percent					
large enterprises	c	c	c	c	c
middle-sized enterprises	c	c	c	c	c
small enterprises	57,3	51,8	60,7	60,7	59,9
of which micro enterprises	20,3	22,0	29,2	31,4	32,1
Professional, scientific and technical activities					
mln. UAH	143937,3	180668,7	284548,0	324960,4	339848,2
percent					
large enterprises	64,6	63,1	c	c	c
middle-sized enterprises	18,4	18,8	c	c	c
small enterprises	17,0	18,1	15,9	16,3	17,3
of which micro enterprises	6,6	7,5	7,4	7,3	8,5
Administrative and support service activities					
mln. UAH	23768,9	49242,3	66974,8	80538,1	94729,1
percent					
large enterprises	c	c	c	c	c
middle-sized enterprises	c	c	c	c	c
small enterprises	45,2	38,0	43,8	42,4	43,3
of which micro enterprises	16,0	12,8	17,7	17,7	20,1

ACTIVITY OF ENTERPRISES

Table 25.9 continued

	2010	2015	2017	2018	2019
Education					
mln. UAH	1552,2	1975,6	2713,6	3544,3	4641,3
percent					
large enterprises	c	—	—	—	—
middle-sized enterprises	c	42,8	37,5	38,2	34,0
small enterprises	38,9	57,2	62,5	61,8	66,0
of which micro enterprises	13,4	19,8	28,5	28,1	34,6
Human health and social work activities					
mln. UAH	6523,4	10573,2	17499,3	26005,1	47665,6
percent					
large enterprises	—	—	—	—	c
middle-sized enterprises	76,2	71,7	70,9	81,3	c
small enterprises	23,8	28,3	29,1	18,7	12,8
of which micro enterprises	6,2	6,1	6,0	3,1	5,0
Arts, entertainment and recreation					
mln. UAH	2789,8	4995,1	6688,3	7786,6	7604,7
percent					
large enterprises	c	39,6	c	c	c
middle-sized enterprises	c	33,9	c	c	c
small enterprises	26,5	26,5	37,0	39,0	45,1
of which micro enterprises	11,4	12,6	17,3	17,4	19,5
Other services					
mln. UAH	2292,6	3377,2	4357,2	4877,9	5321,3
percent					
large enterprises	—	—	—	—	—
middle-sized enterprises	42,3	46,1	32,1	35,2	31,5
small enterprises	57,7	53,9	67,9	64,8	68,5
of which micro enterprises	22,3	23,2	33,6	27,4	31,4

¹ See the footnote to Table 25.6

ACTIVITY OF ENTERPRISES

FINANCE OF THE ENTERPRISES

25.10. Enterprises' balance structure

	Balance, mln. UAH	Assets		
		fixed assets	working assets	fixed assets and groups disposal
Total				
2016	9991791,2	42,1	57,8	0,1
2017	9961779,1	43,2	56,7	0,1
2018	10878050,6	42,1	57,8	0,1
2019	11444531,9	42,2	57,7	0,1
Agriculture, forestry and fishing				
2016	1537319,1	14,2	85,8	0,0
2017	911614,1	29,9	70,1	0,0
2018	983593,6	33,5	66,5	0,0
2019	1023579,1	37,0	63,0	0,0
Industry				
2016	2790399,5	45,6	54,4	0,0
2017	3142639,6	43,3	56,7	0,0
2018	3431936,8	44,2	55,8	0,0
2019	3631936,7	48,5	51,5	0,0
Construction				
2016	319470,8	33,4	66,4	0,2
2017	370445,5	31,3	68,5	0,2
2018	463461,0	28,9	70,8	0,3
2019	541306,0	27,4	72,5	0,1
Wholesale and retail trade; repair of motor vehicles and motorcycles				
2016	1790317,2	13,6	86,4	0,0
2017	1993356,9	13,9	86,1	0,0
2018	2313749,1	12,9	87,1	0,0
2019	2498763,5	13,9	86,1	0,1
Transportation and storage, postal and courier activities				
2016	1240024,4	77,4	22,6	0,0
2017	1001820,9	78,3	21,7	0,0
2018	1027836,6	74,5	25,5	0,0
2019	917311,5	73,8	26,2	0,0
Accommodation and food service activities				
2016	34236,3	64,3	35,6	0,1
2017	39357,8	62,5	37,4	0,1
2018	46083,9	64,0	35,9	0,1
2019	49413,5	62,2	37,8	0,1
Information and communication				
2016	146238,3	48,1	50,9	1,0
2017	149640,0	54,3	44,5	1,2
2018	171769,6	56,5	42,3	1,2
2019	190592,5	61,9	36,8	1,3

¹ See the footnote to Table 25.6

ACTIVITY OF ENTERPRISES

by type of economic activity¹

(end of the year; percent)

own capital	Liabilities			obligations of fixed assets and disposal groups and net assets of private pension funds
	long-term liabilities and provision	current liabilities and provision		
24,5	17,0	58,5	0,0	
24,7	17,4	57,9	0,0	
24,9	16,2	58,9	0,0	
26,9	14,3	58,7	0,0	
24,1	4,0	71,9	0,0	
47,9	6,5	45,6	0,0	
49,1	8,4	42,5	0,0	
49,9	9,3	40,8	0,0	
18,9	20,1	61,0	0,0	
17,5	18,7	63,8	0,0	
18,8	17,5	63,7	0,0	
24,3	16,2	59,5	0,0	
x	33,9	70,6	0,0	
x	28,3	77,0	0,1	
x	23,9	77,5	0,1	
2,4	15,8	81,8	0,0	
x	15,3	86,2	0,0	
1,3	14,8	83,9	0,0	
4,4	10,8	84,8	0,0	
8,2	8,7	83,1	0,0	
63,6	12,9	23,5	0,0	
61,2	14,3	24,5	0,0	
54,4	16,5	29,1	0,0	
50,4	14,7	34,9	0,0	
x	61,5	56,6	0,0	
x	45,4	61,5	0,0	
6,1	37,6	56,3	0,0	
6,9	29,1	64,0	0,0	
8,8	31,7	59,5	0,0	
19,1	30,7	50,2	0,0	
22,6	26,6	50,8	0,0	
27,3	21,4	51,3	0,0	

ACTIVITY OF ENTERPRISES

	Balance, mln. UAH	Assets		
		fixed assets	working assets	fixed assets and groups disposal
Financial and insurance activities				
2016	303759,1	34,6	65,0	0,4
2017	353430,4	33,4	66,0	0,6
2018	415714,2	37,8	61,7	0,5
2019	475501,9	32,0	67,5	0,5
Real estate activities				
2016	562097,3	56,3	43,6	0,1
2017	596069,3	59,7	40,2	0,1
2018	699137,4	55,4	44,4	0,2
2019	724430,4	56,3	43,6	0,1
Professional, scientific and technical activities				
2016	903829,2	69,0	31,0	0,0
2017	975232,5	60,4	39,6	0,0
2018	871965,4	60,7	39,3	0,0
2019	930509,6	51,3	48,7	0,0
Administrative and support service activities				
2016	307411,4	76,5	23,4	0,1
2017	363954,4	76,7	23,2	0,1
2018	371192,5	76,1	23,9	0,0
2019	335907,6	70,3	29,6	0,1
Education				
2016	2926,6	66,9	33,1	0,0
2017	3214,0	66,2	33,8	0,0
2018	4345,9	64,4	35,6	0,0
2019	5412,7	61,0	39,0	0,0
Human health and social work activities				
2016	12914,7	67,6	32,4	0,0
2017	15873,1	67,4	32,6	0,0
2018	26936,7	68,9	31,1	0,0
2019	66404,2	76,3	23,7	0,0
Arts, entertainment and recreation				
2016	33577,6	70,7	29,3	0,0
2017	37363,8	73,7	26,3	0,0
2018	40533,7	72,3	27,7	0,0
2019	42612,6	80,2	19,8	0,0
Other services				
2016	7269,7	58,4	41,6	0,0
2017	7766,8	53,5	46,5	0,0
2018	9794,2	67,2	32,8	0,0
2019	10850,1	67,1	32,9	0,0

ACTIVITY OF ENTERPRISES

Table 25.10 continued

own capital	Liabilities		
	long-term liabilities and provision	current liabilities and provision	obligations of fixed assets and disposal groups and net assets of private pension funds
35,3	27,4	36,7	0,6
35,2	26,1	38,1	0,6
36,0	24,0	39,4	0,6
36,1	16,1	47,2	0,6
x	43,7	63,6	0,0
x	42,1	62,0	0,0
0,5	36,1	63,4	0,0
11,4	25,6	63,0	0,0
56,8	10,4	32,8	0,0
50,1	8,6	41,3	0,0
55,2	9,6	35,2	0,0
50,4	14,7	34,9	0,0
65,1	7,9	27,0	0,0
60,7	9,2	30,1	0,0
58,4	8,2	33,4	0,0
48,2	15,1	36,7	0,0
60,6	7,6	31,8	0,0
64,3	3,3	32,4	0,0
41,1	16,9	42,0	0,0
35,9	17,4	46,7	0,0
34,7	26,5	38,8	0,0
29,4	26,8	43,8	0,0
49,3	17,9	32,8	0,0
70,0	8,7	21,3	0,0
18,6	37,8	43,6	0,0
25,1	30,7	44,2	0,0
35,3	23,1	41,6	0,0
39,0	10,3	50,7	0,0
42,5	6,2	51,3	0,0
33,8	3,9	62,3	0,0
48,1	3,9	47,9	0,1
50,8	6,0	43,2	0,0

ACTIVITY OF ENTERPRISES

25.11. Financial outcome before taxation, by type of economic activity¹*(mln. UAH)*

	2010	2015	2017	2018	2019
Total					
financial outcome (balance)	58334,0	-340126,6	274831,6	429129,3	671863,1
profit	212008,6	475321,2	674386,5	746530,5	937131,1
loss	153674,6	815447,8	399554,9	317401,2	265268,0
share of enterprises that made a loss	41,0	26,3	27,2	25,7	26,0
Agriculture, forestry and fishing					
financial outcome (balance)	17291,8	103137,6	69344,1	71478,5	91299,9
profit	22306,1	128880,2	89876,7	94402,3	116018,6
loss	5014,3	25742,6	20532,6	22923,8	24718,7
share of enterprises that made a loss	30,5	11,5	13,8	13,7	17,0
Industry					
financial outcome (balance)	31221,1	-181360,9	87461,7	154138,2	172604,7
profit	68933,1	90315,9	232213,1	277850,4	286336,7
loss	37712,0	271676,8	144751,4	123712,2	113732,0
share of enterprises that made a loss	41,3	27,1	28,2	27,2	28,0
Construction					
financial outcome (balance)	-4418,2	-25074,1	-3535,8	6433,9	16106,5
profit	4905,1	5648,1	10300,0	15411,8	24939,9
loss	9323,3	30722,2	13835,8	8977,9	8833,4
share of enterprises that made a loss	44,7	28,9	28,5	27,2	26,4
Wholesale and retail trade; repair of motor vehicles and motorcycles					
financial outcome (balance)	14883,5	-80564,3	39296,3	86290,5	131336,8
profit	42655,9	56898,4	89285,4	116641,6	162089,0
loss	27772,4	137462,7	49989,1	30351,1	30752,2
share of enterprises that made a loss	37,5	23,9	24,8	22,8	22,8
Transportation and storage, postal and courier activities					
financial outcome (balance)	5058,9	-13921,8	-16532,6	-22661,6	14210,0
profit	10387,7	23093,7	28509,1	31475,4	44087,8
loss	5328,8	37015,5	45041,7	54137,0	29877,8
share of enterprises that made a loss	45,4	29,1	28,5	25,9	26,3
Accommodation and food service activities					
financial outcome (balance)	-548,1	-7094,4	1976,8	2886,5	3546,3
profit	619,8	771,4	4300,4	4393,3	5075,7
loss	1167,9	7865,8	2323,6	1506,8	1529,4
share of enterprises that made a loss	42,7	28,1	30,5	28,6	29,1
Information and communication					
financial outcome (balance)	4101,4	-10166,6	15195,3	18181,0	26191,5
profit	8168,5	12057,3	22717,3	23846,7	30656,2
loss	4067,1	22223,9	7522,0	5665,7	4464,7
share of enterprises that made a loss	41,0	29,0	31,6	29,6	28,4

ACTIVITY OF ENTERPRISES

Table 25.11 continued

	2010	2015	2017	2018	2019
Financial and insurance activities					
financial outcome (balance)	15627,0	-171,3	56159,7	84667,0	70803,9
profit	38445,2	103182,0	107856,3	110930,0	93839,4
loss	22818,2	103353,3	51696,6	26263,0	23035,5
share of enterprises that made a loss	41,1	36,7	36,2	35,5	32,4
Real estate activities					
financial outcome (balance)	-6537,7	-63470,1	-15430,7	16,3	50455,1
profit	4743,7	39330,9	19372,7	23108,9	63307,4
loss	11281,4	102801,0	34803,4	23092,6	12852,3
share of enterprises that made a loss	50,1	39,4	38,4	36,4	33,6
Professional, scientific and technical activities					
financial outcome (balance)	-15110,3	-47964,1	45611,6	26147,7	80949,7
profit	8218,6	10023,2	61283,4	34778,2	88930,9
loss	23328,9	57987,3	15671,8	8630,5	7981,2
share of enterprises that made a loss	42,5	30,4	31,6	30,0	30,2
Administrative and support service activities					
financial outcome (balance)	-1578,5	-9425,1	-2967,3	482,5	11505,1
profit	1606,8	3797,8	6583,0	10398,4	14908,7
loss	3185,3	13222,9	9550,3	9915,9	3403,6
share of enterprises that made a loss	44,0	30,7	31,6	29,7	29,4
Education					
financial outcome (balance)	88,3	105,3	121,5	178,6	313,2
profit	163,1	225,7	241,9	363,5	482,5
loss	74,8	120,4	120,4	184,9	169,3
share of enterprises that made a loss	35,7	28,5	34,1	30,0	31,1
Human health and social work activities					
financial outcome (balance)	9,8	-961,1	320,4	1249,3	1980,1
profit	406,5	547,7	1075,2	2204,0	4311,1
loss	396,7	1508,8	754,8	954,7	2331,0
share of enterprises that made a loss	39,3	30,2	34,5	30,6	28,9
Arts, entertainment and recreation					
financial outcome (balance)	-1784,6	-3489,2	-2198,1	-496,1	194,0
profit	248,2	109,0	559,5	468,6	1661,2
loss	2032,8	3598,2	2757,6	964,7	1467,2
share of enterprises that made a loss	48,7	37,4	38,9	36,5	34,3
Other services					
financial outcome (balance)	29,6	293,5	8,7	137,0	366,3
profit	200,3	439,9	212,5	257,4	486,0
loss	170,7	146,4	203,8	120,4	119,7
share of enterprises that made a loss	37,9	27,5	31,8	28,3	27,3

¹ See the footnote to Table 25.1

ACTIVITY OF ENTERPRISES

25.12. Profitability of operational activity, by type of economic activity¹*(percent)*

	Rate profitability (upprofitability)				
	2010	2015	2017	2018	2019
Total	4,0	1,0	8,8	8,1	10,4
Agriculture, forestry and fishing	22,9	41,7	22,4	18,3	18,7
Industry	3,5	0,9	6,8	6,3	5,8
Construction	-1,5	-7,6	1,6	3,0	4,7
Wholesale and retail trade; repair of motor vehicles and motorcycles	9,8	-0,9	18,8	23,3	25,7
Transportation and storage, postal and courier activities	5,6	1,1	-1,0	-1,6	4,1
Accommodation and food service activities	-1,8	-17,3	7,8	8,6	10,2
Information and communication	7,4	0,5	13,8	13,1	15,4
Financial and insurance activities	3,5	-8,9	2,8	1,2	8,0
Real estate activities	0,3	-33,4	6,2	16,3	36,3
Professional, scientific and technical activities	-6,6	-1,1	19,4	8,9	23,7
Administrative and support service activities	-3,3	-11,9	2,6	0,1	8,1
Education	4,9	5,7	3,7	5,8	8,9
Human health and social work activities	4,0	-0,6	3,3	3,7	3,0
Arts, entertainment and recreation	-26,9	-25,3	-15,5	-1,5	1,5
Other services	4,3	7,3	-0,4	2,7	6,2

¹ See the footnote to Table 25.6

26. SCIENCE AND INNOVATIONS

The section includes the indicators characterizing the organisations' (enterprises') activity regarding the R&D performance and innovation activity of Ukraine's industrial enterprises. Also, it takes into account the activity of universities, state and non-profit research organisations.

R&D refers to fundamental, applied scientific and scientific and technical (experimental) developments.

Fundamental R&D are the theoretical and experimental R&D targeted to obtain the new knowledge about the regularities to organize and develop the nature, society, human being, their relationships. The result of the fundamental R&D are the hypotheses, theories, new methods of perception, the opening of nature laws, the phenomena and matter properties unknown before, regularities exposure of household development, etc that are not oriented toward direct practical usage in the sphere of economy.

Applied R&D are the theoretical and experimental R&D targeted to obtain and employ the new knowledge for practical purposes. The result of the applied R&D is the new knowledge targeted to create the new materials or improve the existing ones, as well as products, devices, methods, systems, technologies, concrete proposals on performance of relevant scientific and technical, and social tasks.

Scientific and technical (experimental) developments is the development of a certain design of engineering project or technical system (design effort); concept formation and variants of new object including the non-technical one at the level of drawing or other system for sign vehicle (design work);

development of technological processes, i.e. the ways to combine the physical, chemical, technological and other processes with the labour ones into an entire system producing a certain useful result (technological operations).

Spending for R&D performance is the general sum of spending for R&D performance using organisation's own resources. The spending includes expenditure for labour remuneration, material expenses and other current spending, capital investment (apart from the sum of depreciation for complete recovery of fixed assets).

The R&D performers are researchers, technicians and supporting staff from independent scientific and research, design, drawing-and-designing organisations as well as employees of laboratories or separate units at tertiary educational institutions or enterprises whose main activity is R&D performance.

Researchers are the scientific and engineers who are professionally engaged into the scientific research and developments and are directly involved into the creation of the new knowledge, products, processes, methods and systems as well as administrative and managerial staff that directly manage the research process (including the chiefs of scientific organisations and units that perform R&D). Researchers, as a rule, have tertiary education of the second, third or scientific level (in line with Ukraine's law *On tertiary education*). Researchers can also include the post-graduate students and doctoral students.

Technicians are the workers whose main functions require the possession of technical knowledge and experience in one or some spheres of the natural, technical, social or humanitarian sciences and who participate in the R&D performance by performing

technical functions under the supervision of researchers (software development; bibliographical retrieval and selection of the relevant materials from archives and libraries; accomplishments of experiments, trials and analysis; measurement registration, the making of the calculations, preparation of the drawings and schemes; the undertaking of statistical surveys, etc). Technicians can have tertiary education starting from the beginner level and up to the third level (in line with Ukraine's law *On tertiary education*).

Auxiliary personnel are workers who perform the auxiliary functions connected with R&D performance: workers of planning and economic, financial units, patent offices, units of scientific and technical information, scientific and technical libraries; workers dealing with assembly, checkout, servicing and repair of the scientific equipment and devices; workers of research (experimental) productions; laboratory assistants who do not have tertiary education.

Innovatively active industrial enterprises are enterprises that have been engaged in innovative activities (developed or implemented new or improved products and innovation processes) during a certain period of observation.

Innovative activity is activity that aimed at the use and commercialization of R&D results and leads to the release of new competitive goods and services.

Innovations are newly created (applied) and (or) improved competitive technologies, products or services, as well as organizational and technical solutions of production, administrative, commercial or other nature, which significantly improve the structure and quality of production and (or) social sphere.

Innovative products (goods, services) are products (goods, services) that are produced (will be produced) in Ukraine for the first time, or if not for the first time, then compared to other similar products presented on the market, are competitive and have significantly higher technical economic indicators. Innovation products are split into the new for market and the new for enterprise.

Innovation implementation implies the putting into service of any new or significantly improved product (good, service) or process, new method for marketing or new organizational method in enterprise activity, organization of work places or external ties.

SCIENCE AND INNOVATIONS

26.1. Number of employees engaged in R&D performance, by category of staff*(persons)*

	Total			Of which women		
	2017	2018	2019	2017	2018	2019
Number of employees engaged in R&D performance	94274	88128	79262	44173	41323	36989
researchers	59392	57630	51121	26533	25780	22649
technicians	9144	8553	7470	5368	4994	4511
auxiliary staff	25738	21945	20671	12272	10549	9829

26.2. Number of employees engaged in R&D performance, by education level*(persons)*

	Total			Of which women		
	2017	2018	2019	2017	2018	2019
Number of employees engaged in R&D performance	94274	88128	79262	44173	41323	36989
have tertiary education	81783	76455	68744	38671	36202	32364
Doctors of Science	6942	7043	6526	1883	1884	1766
PH.D. (candidates of Sciences)	19219	18806	16929	9030	8837	7900
Masters (specialists)	46612	43291	39148	22940	21586	19489
bachelors (junior bachelors, junior specialist)	9010	7315	6141	4818	3895	3209
other educational levels	12491	11673	10518	5502	5121	4625

26.3. Number of employees engaged in R&D performance, by branch of science*(persons)*

	Total			Of which women		
	2017	2018	2019	2017	2018	2019
Number of employees engaged in R&D performance	94274	88128	79262	44173	41323	36989
by branch of science						
natural	22140	21805	21305	10611	10138	10039
technical	48985	43423	39033	18769	16625	14982
medical	5228	5461	4192	3618	3789	2993
agricultural	7451	7428	6508	4352	4208	3711
social	7239	6968	6096	4787	4655	3994
humanitarian	3231	3043	2128	2036	1908	1270

SCIENCE AND INNOVATIONS

26.4. Number of researchers, engaged in R&D performance, by age*(persons)*

	Total			Of which women		
	2017	2018	2019	2017	2018	2019
Number of researchers engaged in R&D performance	59392	57630	51121	26533	25780	22649
of whom those aged						
less than 25	1443	1213	955	595	498	361
25–29	5425	4610	3582	2394	2040	1640
30–34	7241	6725	5602	3484	3229	2644
35–39	7026	6767	6198	3476	3439	3181
40–44	6081	6011	5367	2993	2917	2576
45–49	4782	4919	4606	2534	2515	2251
50–54	5149	4838	3996	2739	2558	2172
55–59	6228	6106	5249	3009	3022	2543
60–64	5811	5768	5262	2259	2336	2154
65 and older	10206	10673	10304	3050	3226	3127

26.5. Spending for R&D performance, by type of spending*(mln. UAH)*

	2017	2018	2019
Spending for R&D performance	13379,3	16773,7	17254,6
domestic current spending	12597,5	16009,3	16330,0
spending for staff's labour remuneration	7152,9	8553,0	8758,3
other current spending	5444,6	7456,3	7571,7
capital spending for R&D	781,8	764,4	924,6
land plots and structures	22,9	9,5	24,0
equipment	659,1	588,0	513,0
other capital spending	99,8	166,9	387,6

SCIENCE AND INNOVATIONS

26.6. Spending for R&D performance in 2019, by source of financing and type of work*(mln. UAH)*

	Total	Of which for performance		
		fundamental scientific research	applied scientific research	research and technical (experimental) developments
Spending for R&D performance	17254,6	3740,4	3635,7	9878,5
one's own funds	1725,1	104,1	440,3	1180,7
budget funds	6724,7	3425,2	2013,5	1286,0
of which state budget funds	6603,8	3343,2	1980,7	1279,9
funds from state sector organisations	798,6	34,7	79,9	684,0
funds from entrepreneurship sector organisations	4035,6	81,5	783,3	3170,8
funds from tertiary sector organisations	3,7	0,5	1,5	1,7
funds from private non-profit organisations	14,7	0,0	7,2	7,5
funds from foreign sources	3856,2	70,2	258,9	3527,1
funds from other sources	96,0	24,2	51,1	20,7

26.7. Spending for R&D performance in 2019, by branch of science and type of work*(mln. UAH)*

	Total	Of which for performance		
		fundamental scientific research	applied scientific research	research and technical (experimental) developments
Expenditure for the performance of R&D	17254,6	3740,4	3635,7	9878,5
by branch of science				
natural	3755,8	1950,8	856,8	948,2
technical	10926,0	898,5	1374,7	8652,8
medical	546,6	94,4	425,5	26,7
agricultural	963,3	262,6	489,1	211,6
social	742,4	286,6	421,2	34,6
humanitarian	320,5	247,5	68,4	4,6

SCIENCE AND INNOVATIONS

26.8. Indicators of innovation activity of industrial enterprises^{1,2}

	2010	2015	2016	2017	2018	2019
Number of innovatively active industrial enterprises						
Total, units	1462	824	834	759	777	782
percent of total number of industrial enterprises	13,8	17,3	18,9	16,2	16,4	15,8
Spending of innovation						
Total, mln. UAH	8045,5	13813,7	23229,5	9117,5	12180,1	14220,9
percent of total volume of the sold industrial products (goods, services)	0,9	0,8	0,7	0,4	0,4	0,6
percent of total volume of the sold innovation products (goods, services)	23,9	59,9	... ³	51,5	49,0	41,5
Number of industrial enterprises that implemented innovation (products and/or technology processes)						
Total, units	1217	723	735	672	739	687
percent of total number of industrial enterprises	11,5	15,2	16,6	14,3	15,6	13,8
Number of introduced into the production of new technological processes						
Total, units	2043	1217	3489	1831	2002	2318
of which new or significantly improved low-waste, resource-saving	479	458	748	611	926	857
Number of implemented innovations products (goods, services)						
Total, units	2408	3136	4139	2387	3843	2148
of which new types of machines, equipment, appliances, apparatus	663	966	1305	751	920	760
Volume of innovation products sold (goods, services)						
Total, mln. UAH	33697,6	23050,1	... ³	17714,2	24861,1	34264,9
percent of total volume of the sold industrial products (goods, services)	3,8	1,4	... ³	0,7	0,8	1,3

¹ For 2010, data on legal persons and separate units of legal persons who are taking industrial activity

² For 2015/2019, data are presented on legal persons that are taking industrial activity with the average number of employees 50 and more

³ The indicator was not calculated

SCIENCE AND INNOVATIONS

26.9. Expenses for innovations of industrial enterprises by innovation activity area

	2010		2015		2018		2019	
	mln. UAH	percentage of total	mln. UAH	percentage of total	mln. UAH	percentage of total	mln. UAH	percentage of total
Total	8045,5	100,0	13813,7	100,0	12180,1	100,0	14220,9	100,0
including by purpose								
internal R&D operations	818,5	10,2	1834,1	13,3	2706,2	22,2	2449,9	17,2
external R&D operations	177,9	2,2	205,4	1,5	502,6	4,1	469,0	3,3
purchase of other external knowledge	5051,7	62,8	11141,3	80,6	8291,3	68,1	10185,1	71,6
purchase of machines, equipment and software	141,6	1,8	84,9	0,6	46,1	0,4	37,5	0,3
other	1855,8	23,0	548,0	4,0	633,9	5,2	1079,4	7,6

26.10. Expenses for innovations of industrial enterprises by source of financing

	2010		2015		2018		2019	
	mln. UAH	percentage of total	mln. UAH	percentage of total	mln. UAH	percentage of total	mln. UAH	percentage of total
Total	8045,5	100,0	13813,7	100,0	12180,1	100,0	14220,9	100,0
including on account of								
Central budget	87,0	1,1	55,1	0,4	639,1	5,2	556,5	3,9
local budgets	5,7	0,1	38,4	0,3	13,4	0,1	109,9	0,8
own funds	4775,2	59,4	13427,0	97,2	10742,0	88,2	12474,9	87,7
funds of resident investors	31,0	0,4	74,3	0,5	109,7	0,9	72,3	0,5
funds of non-resident investors	2411,4	30,0	58,6	0,4	107,0	0,9	42,5	0,3
other sources	735,2	9,0	160,3	1,2	568,9	4,7	964,8	6,8

SCIENCE AND INNOVATIONS

26.11. Number of industrial enterprises that implemented innovation (products and/or technological processes)

	2017		2018		2019	
	total, units	percentage of total industrial enterprises	total, units	percentage of total industrial enterprises	total, units	percentage of total industrial enterprises
Total	672	14,3	739	15,6	687	13,8
including						
introduced new technological processes	456	9,7	451	9,5	478	9,6
of which new or significantly improved low-waste, resource-saving	198	4,2	224	4,7	174	3,5
Introduction of types of innovation products (goods, services)	358	7,6	637	13,5	336	6,8
of which new types of machines, equipment, appliances, apparatus	143	3,0	171	3,6	137	2,8

26.12. Number of new technological processes and types of innovation products (goods, services) implemented in industry

(units)

	2010	2015	2017	2018	2019
Number of the new technological processes implemented	2043	1217	1831	2002	2318
including low-waste, resource saving	479	458	611	926	857
Number of implemented innovations products (goods, services)	2408	3136	2387	3843	2148
of which new types of machines, equipment, appliances, apparatus	663	966	751	920	760

26.13. Amount of innovation products sold (goods, services) industrial enterprises

(mln. UAH)

	2010	2015	2017	2018	2019
Total	33697,6	23050,1	17714,2	24861,1	34264,9
including new products	10995,1	7284,2	4484,6	7863,7	6826,2

27. INTERNATIONAL COMPARISONS¹

27.1. Area and population in 2018

Country	Area, thsd.sq.km	Population on average per year, mln.	Population growth rate (decrease) over 2017, percent	Capital
Ukraine	603,5	42,1²	-0,4	Kyiv
Austria	83,9	8,8	0,6	Vienna
Azerbaijan	86,6	9,9	1,0	Baku
Albania	28,7	2,9	-0,1	Tirana
Belgium	30,5	11,4	0,4	Brussels
Belarus	207,6	9,5	-0,1	Minsk
Bulgaria	111,0	7,0	-0,7	Sofia
Bosnia and Herzegovina	51,2	3,5	-0,3	Sarajevo
United Kingdom of Great Britain and Northern Ireland	242,9	66,5	0,6	London
Armenia	29,7	3,0	-0,4	Yerevan
Greece	132,0	10,7	-0,2	Athens
Georgia	69,7	3,7	0,0	Tbilisi
Denmark	43,1	5,8	0,7	Copenhagen
Estonia	45,2	1,3	0,0	Tallinn
Israel	22,1	9,0	2,0	Jerusalem
Ireland	70,3	4,9	1,1	Dublin
Iceland	103,0	0,4	2,4	Reykjavik
Spain	506,0	46,8	0,2	Madrid
Italy	301,3	60,4	-0,2	Rome
Kazakhstan	2724,9	18,4	1,2	Nur-Sultan
Canada	9970,6	37,0	1,2	Toronto
Kyrgyzstan	199,9	6,1	1,5	Bishkek
Cyprus	9,3	0,9	0,9	Nicosia
Latvia	64,6	1,9	-0,9	Riga
Lithuania	65,3	2,8	-1,4	Vilnius
Liechtenstein	0,2	0,04	0,7	Vaduz

¹ Information is available from the United Nations Economic Commission for Europe statistical data base

INTERNATIONAL COMPARISONS

Table 27.1 continued

Country	Area, thsd.sq.km	Population on average per year, mln.	Population growth rate (decrease) over 2017, percent	Capital
Luxembourg	2,6	0,6	2,2	Luxemburg
Malta	0,3	0,5	2,8	Valletta
Netherlands	41,5	17,2	0,6	Amsterdam
Germany	357,0	82,9	0,4	Berlin
Norway	323,8	5,3	0,8	Oslo
North Macedonia	25,7	...	0,1	Skopje
Poland	312,7	38,0	0,0	Warsaw
Portugal	92,0	10,3	-0,2	Lisbon
Moldova, Republic of	33,8	3,5	-0,1	Chisinau
Russian Federation	17075,4	...	...	Moscow
Romania	238,4	19,5	-0,6	Bucharest
Serbia	88,4	7,0	-0,5	Belgrade
Slovakia	49,0	5,4	0,1	Bratislava
Slovenia	20,3	2,1	0,1	Ljubljana
USA	9629,1	326,8	0,7	Washington
Tajikistan	143,1	9,1	2,1	Dushanbe
Turkey	774,8	81,4	1,3	Ankara
Turkmenistan	488,1	5,9	1,7	Ashgabat
Hungary	93,0	9,8	1,5	Budapest
Uzbekistan	447,4	32,4	1,5	Tashkent
Finland	338,2	5,5	0,2	Helsinki
France	551,5	67,0	0,3	Paris
Croatia	56,5	4,1	-1,0	Zagreb
Czechia	78,9	10,6	0,2	Prague
Montenegro	13,8	0,6	0,1	Podgorica
Switzerland	41,3	8,5	0,9	Bern
Sweden	450,0	10,2	1,4	Stockholm

² Resident population

INTERNATIONAL COMPARISONS

27.2. Total fertility rate*(average number of births that born a woman)*

	2000	2005	2010	2015	2016	2017	2018
Ukraine	1,1	1,2	1,4	1,5¹	1,5¹	1,4¹	1,3¹
Austria	1,4	1,4	1,4	1,5	1,5	1,5	1,5
Azerbaijan	2,0	2,3	2,3	2,1	2,0	1,9	...
Albania	2,4	1,8	...	...	...	...	...
Belgium	1,6	1,7	1,9	1,7	1,7	1,6	1,6
Belarus	1,3	1,2	1,5	1,7	1,7	1,5	...
Bulgaria	1,3	1,4	1,6	1,5	1,5	1,6	1,6
Bosnia and Herzegovina	1,3	1,2	1,3	1,2	1,3	1,3	...
United Kingdom of Great Britain and Northern Ireland	1,6	1,8	1,9	1,8	1,8	1,7	1,7
Armenia	1,3	1,3	1,5	1,6	1,6	1,6	...
Greece	1,2	1,3	1,5	1,3	1,4	1,4	1,4
Georgia	1,5	1,4	1,8	2,3	...	...	...
Denmark	1,8	1,8	1,9	1,7	1,8	1,8	1,7
Estonia	1,4	1,5	1,7	1,6	1,6	1,6	1,7
Israel	3,0	2,8	3,0	3,1	...	...	...
Ireland	1,9	1,9	2,0	1,8	1,8	1,8	1,8
Iceland	2,1	2,0	2,2	1,8	1,7	1,7	1,7
Spain	1,2	1,3	1,4	1,3	1,3	1,3	1,3
Italy	1,3	1,3	1,5	1,4	1,3	1,3	1,3
Kazakhstan	1,9	2,2	2,6	2,7	2,8	2,7	...
Canada	1,5	1,5	1,6	1,6	1,5	1,5	...
Kyrgyzstan	2,4	2,5	3,1	3,2	3,1	3,0	...
Cyprus	1,6	1,5	1,4	1,3	1,4	1,3	1,3
Latvia	1,2	1,4	1,4	1,7	1,7	1,7	1,6
Lithuania	1,4	1,3	1,5	1,7	1,7	1,6	1,6
Luxembourg	1,8	1,6	1,6	1,5	1,4	1,4	1,4

INTERNATIONAL COMPARISONS

Table 27.2 continued

	2000	2005	2010	2015	2016	2017	2018
Malta	1,7	1,4	1,4	1,4	1,4	1,3	1,2
Netherlands	1,7	1,7	1,8	1,7	1,7	1,6	1,6
Germany	1,4	1,3	1,4	1,5	1,6	1,6	1,6
Norway	1,8	1,8	2,0	1,7	1,7	1,6	1,6
North Macedonia	1,9	1,5	1,6	1,5	1,5	1,4	1,4
Poland	1,4	1,2	1,4	1,3	1,4	1,5	1,5
Portugal	1,6	1,4	1,4	1,3	1,4	1,4	1,4
Moldova, Republic of	1,3	1,3	1,3	1,3	...	...	...
Russian Federation	1,2	1,3	1,6	...	...	...	...
Romania	1,3	1,4	1,6	1,6	1,7	1,7	1,8
Serbia	1,5	1,4	1,4	1,5	1,5	1,5	1,5
Slovakia	1,3	1,3	1,4	1,4	1,5	1,5	1,5
Slovenia	1,3	1,3	1,6	1,6	1,6	1,6	1,6
USA	2,1	2,1	1,9	1,8	...	...	...
Tajikistan	3,5	3,3	3,6	3,8	3,8	3,8	...
Turkey	2,3	2,2	2,0	2,1	2,1	2,1	2,0
Hungary	1,3	1,3	1,2	1,4	1,5	1,5	1,6
Uzbekistan	2,6	2,4	2,3	2,5	2,5	2,4	...
Finland	1,7	1,8	1,9	1,6	1,6	1,5	1,4
France	1,9	1,9	2,0	2,0	1,9	1,9	1,9
Croatia	1,4	1,4	1,5	1,4	1,4	1,4	1,5
Czechia	1,2	1,3	1,5	1,6	1,6	1,7	1,7
Montenegro	1,9	1,7	1,7	1,7	1,8	1,8	1,8
Switzerland	1,5	1,4	1,5	1,5	1,5	1,5	1,5
Sweden	1,5	1,8	2,0	1,8	1,8	1,8	1,8

¹ The calculation excludes data on the Donetsk and Luhansk regions

INTERNATIONAL COMPARISONS

27.3. Females life expectancy at birth*(years)*

	2000	2005	2010	2015	2016	2017	2018
Ukraine	73,5	74,0¹	75,5²	76,3³	76,5³	76,8³	76,7³
Austria	81,2	82,2	83,5	83,7	84,1	84,0	84,1
Azerbaijan	75,1	75,1	76,2	77,6	77,6	77,8	...
Albania	78,2	78,6	79,3	79,7	80,1	80,1	80,5
Belgium	81,0	81,9	83,0	83,4	84,0	83,9	83,9
Belarus	74,7	75,1	76,5	78,9	79,0	79,2	...
Bulgaria	75,0	76,2	77,4	78,2	78,5	78,4	78,6
Bosnia and Herzegovina	76,7	77,5	78,1	78,8	79,6	79,6	...
United Kingdom of Great Britain and Northern Ireland	80,3	81,3	82,6	82,8	83,0	83,1	83,1
Armenia	75,8	76,2	76,4	78,2	78,3	78,7	...
Greece	81,3	82,5	83,3	83,7	84,0	83,9	84,4
Georgia	73,8	73,7	75,8	77,3	77,2	77,8	...
Denmark	79,2	80,5	81,4	82,7	82,8	83,1	82,9
Estonia	76,4	78,2	80,8	82,2	82,2	82,6	82,7
Israel	81,1	82,1	84,1	84,1	84,2	84,6	...
Ireland	79,2	81,3	83,1	83,4	83,6	84,0	84,1
Iceland	81,6	83,5	84,1	83,8	84,1	84,3	84,5
Spain	82,8	83,6	85,5	85,7	86,3	86,1	86,3
Italy	82,8	83,6	84,7	84,9	85,6	85,2	85,6
Kazakhstan	71,1	72,2	73,4	76,3	76,6	76,9	...
Canada	81,6	82,3	83,3	83,9	84,0	...	...
Kyrgyzstan	72,4	71,9	73,5	74,8	75,1	75,4	...
Cyprus	80,1	80,8	83,9	83,7	84,9	84,2	84,8
Latvia	76,0	76,4	78,0	79,5	79,6	79,7	79,7
Lithuania	77,4	77,4	78,9	79,7	80,1	80,5	80,7
Luxembourg	81,3	82,3	83,5	84,7	85,4	84,4	84,6

INTERNATIONAL COMPARISONS

Table 27.3 continued

	2000	2005	2010	2015	2016	2017	2018
Malta	80,5	81,4	83,6	84,1	84,4	84,6	84,6
Netherlands	80,8	81,8	83,0	83,2	83,2	83,4	83,4
Germany	81,2	82,0	83,0	83,1	83,5	83,4	83,3
Norway	81,5	82,7	83,3	84,2	84,2	84,3	84,5
North Macedonia	75,2	75,9	77,2	77,4	77,5	77,9	78,8
Poland	78,1	79,4	80,7	81,6	82,0	81,8	81,7
Portugal	80,4	81,5	83,2	84,3	84,3	84,6	84,5
Moldova, Republic of	71,2	71,7	73,4	75,5	76,2	77,0	...
Russian Federation	72,4	72,4	74,9	...	...	...	...
Romania	74,8	75,4	77,7	78,6	79,0	79,1	79,2
Serbia	75,1	75,4	76,6	77,9	78,3	78,1	78,4
Slovakia	77,5	78,1	79,3	80,2	80,7	80,7	80,8
Slovenia	79,9	80,9	83,1	83,9	84,3	84,0	84,4
USA	79,3	79,9	81,1	...	...	...	...
Tajikistan	70,3	73,2	74,4	...	...	...	...
Turkey	73,1	76,6	78,7	80,7	80,8	...	...
Hungary	76,2	77,2	78,6	79,0	79,7	79,3	79,6
Finland	81,2	82,5	83,5	84,4	84,4	84,5	84,5
France	83,0	83,8	85,3	85,6	85,8	85,7	85,9
Croatia	76,7	78,8	79,9	80,5	81,3	81,0	81,5
Czechia	78,5	79,2	80,9	81,6	82,1	82,0	82,0
Montenegro	76,3	76,8	78,5	78,6	78,9	79,2	79,3
Switzerland	82,8	84,0	84,9	85,1	85,6	85,6	85,7
Sweden	82,0	82,9	83,6	84,1	84,1	84,1	84,3

¹ SSSU data for 2004–2005

² SSSU data for 2009–2010

³ See the footnote for Table 27.2

INTERNATIONAL COMPARISONS

27.4. Males life expectancy at birth

	<i>(years)</i>						
	2000	2005	2010	2015	2016	2017	2018
Ukraine	62,1	62,2¹	65,3²	66,4³	66,7³	67,0³	66,7³
Austria	75,2	76,6	77,8	78,8	79,3	79,4	79,4
Azerbaijan	68,6	69,6	70,9	72,7	72,8	73,1	...
Albania	72,2	72,1	74,7	76,3	77,1	77,1	77,4
Belgium	74,6	76,2	77,5	78,7	79,0	79,2	79,4
Belarus	63,4	62,9	64,6	68,6	68,9	69,3	...
Bulgaria	68,4	69,0	70,3	71,2	71,3	71,4	71,5
Bosnia and Herzegovina	71,3	72,1	72,9	73,7	74,6	74,6	...
United Kingdom of Great Britain and Northern Ireland	75,5	77,0	78,6	79,2	79,4	79,5	79,5
Armenia	70,1	70,1	70,1	71,7	71,6	71,9	...
Greece	75,9	76,8	78,0	78,5	78,9	78,8	79,3
Georgia	66,2	66,0	66,7	68,7	68,3	69,2	...
Denmark	74,5	76,0	77,2	78,8	79,0	79,2	79,1
Estonia	65,6	67,6	70,9	73,2	73,3	73,8	74,0
Israel	76,7	78,2	80,2	80,1	80,7	80,7	...
Ireland	74,0	76,7	78,5	79,6	79,8	80,4	80,5
Iceland	77,8	79,6	79,8	81,2	80,4	81,1	81,3
Spain	75,8	77,0	79,2	80,1	80,5	80,6	80,7
Italy	76,9	78,1	79,5	80,3	81,0	80,8	81,2
Kazakhstan	60,1	60,4	63,6	67,5	68,0	68,7	...
Canada	76,3	77,6	78,8	79,8	79,9	...	...
Kyrgyzstan	64,9	64,2	65,3	66,7	67,0	67,2	...
Cyprus	75,4	76,5	79,2	79,9	80,5	80,2	80,9
Latvia	64,8	65,0	67,9	69,7	69,8	69,8	70,1
Lithuania	66,7	65,2	67,6	69,2	69,5	70,7	70,9
Luxembourg	74,6	76,7	77,9	80,0	80,1	79,9	80,1

INTERNATIONAL COMPARISONS

Table 27.4 continued

	2000	2005	2010	2015	2016	2017	2018
Malta	76,3	77,3	79,3	79,8	80,6	80,2	80,4
Netherlands	75,7	77,4	78,9	79,9	80,0	80,2	80,3
Germany	75,1	76,7	78,0	78,3	78,6	78,7	78,6
Norway	76,0	77,8	79,0	80,5	80,7	81,0	81,1
North Macedonia	70,8	71,6	72,9	73,5	73,4	74,1	74,6
Poland	69,6	70,8	72,2	73,5	73,9	73,9	73,7
Portugal	73,3	74,9	76,8	78,1	78,1	78,4	78,3
Moldova, Republic of	63,9	63,8	65,0	67,5	68,1	69,4	...
Russian Federation	59,2	59,0	63,1	...	...	...	...
Romania	67,7	68,4	70,0	71,4	71,6	71,7	71,7
Serbia	69,5	70,0	71,4	72,8	73,2	73,1	73,5
Slovakia	69,2	70,2	71,8	73,1	73,8	73,8	73,9
Slovenia	72,2	73,9	76,4	77,8	78,2	78,2	78,5
USA	74,1	74,9	76,2	...	...	...	...
Tajikistan	66,1	68,1	70,8	...	...	...	...
Turkey	69,0	72,2	74,2	75,3	75,3	...	...
Hungary	67,5	68,7	70,7	72,3	72,6	72,5	72,7
Finland	74,2	75,6	76,9	78,7	78,6	78,9	79,1
France	75,3	76,7	78,2	79,2	79,5	79,6	79,7
Croatia	69,1	71,7	73,4	74,4	75,0	74,9	74,9
Czechia	71,6	72,9	74,5	75,7	76,1	76,1	76,2
Montenegro	71,0	71,3	73,6	74,4	74,1	73,9	74,5
Switzerland	77,0	78,7	80,3	80,8	81,7	81,6	81,9
Sweden	77,4	78,5	79,6	80,4	80,6	80,8	80,9

¹ See the first footnote to Table 27.3² See the second footnote to Table 27.3³ See the footnote for Table 27.2

INTERNATIONAL COMPARISONS

27.5. Labour force of women aged 15–64 year old*(percent)*

	2000	2005	2010	2015	2016	2017	2018
Ukraine	62,6	61,7	62,1	60,4	60,4	60,7	62,1
Austria	62,4	64,5	68,4	70,3	71,1	71,2	71,3
Azerbaijan	79,7	71,3	67,7	68,3	68,8	69,2	...
Albania	...	...	59,8	56,6	59,5	58,5	...
Belgium	56,6	59,4	61,7	62,8	62,7	62,9	64,0
Belarus	65,6	...	...	75,4	74,9	75,8	...
Bulgaria	56,3	57,9	62,6	65,5	64,7	67,2	67,1
United Kingdom of Great Britain and Northern Ireland	67,0	67,9	68,5	70,8	71,2	71,9	72,3
Armenia	...	...	57,4	54,7	50,4	50,9	...
Greece	49,1	55,1	57,4	59,8	60,3	60,1	59,6
Georgia	54,1	58,4	61,1	63,4	62,2	65,1	...
Denmark	75,3	75,6	74,4	73,3	74,4	74,8	75,1
Estonia	66,0	67,9	71,3	73,0	73,5	75,2	75,7
Israel	56,3	58,4	60,9	68,3	68,6	68,6	...
Ireland	55,3	60,6	64,6	65,2	66,2	66,6	67,1
Iceland	81,7	77,4	78,6	81,0	80,8	80,3	79,3
Spain	51,0	58,7	66,1	68,9	68,9	68,6	68,5
Italy	46,5	50,5	51,4	54,1	55,2	55,9	56,2
Kazakhstan	...	72,2	72,3	71,7	72,2	72,0	...
Canada	69,2	71,7	72,9	72,8	73,0	73,3	...
Kyrgyzstan	62,1	58,0	56,3	53,3	51,7	49,1	...
Cyprus	55,7	61,9	65,4	67,5	66,5	67,6	68,5
Latvia	61,9	64,6	71,2	72,1	73,3	73,5	74,4
Lithuania	67,6	...	...	72,6	74,1	74,7	75,9
Luxembourg	50,8	55,5	58,6	64,5	63,5	65,3	66,5

INTERNATIONAL COMPARISONS

Table 27.5 continued

	2000	2005	2010	2015	2016	2017	2018
Malta	...	...	42,3	55,5	57,7	60,2	63,6
Netherlands	65,2	67,4	71,8	74,0	74,4	74,7	75,1
Germany	62,6	67,0	70,1	72,4	73,5	73,8	74,0
Norway	75,8	74,1	75,4	75,9	75,8	75,1	75,2
North Macedonia	47,1	49,2	50,2	51,9	50,8	51,6	...
Poland	59,7	56,9	55,9	58,6	58,6	59,0	59,3
Portugal	63,7	67,8	69,7	70,2	70,4	71,6	72,1
Moldova, Republic of	...	52,8	44,5	47,4	46,0	45,2	...
Russian Federation	65,6	67,3	67,8	...	...	...	...
Romania	61,8	56,9	56,2	56,9	56,6	58,8	58,8
Serbia	...	56,6	49,4	55,7	58,0	59,4	...
Slovakia	62,7	61,5	62,1	64,5	65,7	66,2	66,2
Slovenia	63,3	66,0	67,6	67,9	68,8	71,6	71,9
USA	68,8	67,3	66,0	65,3	65,8	66,1	...
Turkey	32,2	24,9	29,2	34,3	35,4	36,8	37,4
Hungary	50,9	54,4	55,6	61,5	62,8	63,5	64,1
Finland	74,2	72,7	72,6	74,4	74,1	74,9	76,3
France	59,4	61,7	63,0	66,3	66,7	66,8	67,4
Croatia	...	54,6	59,6	62,1	60,9	61,6	62,3
Czechia	63,6	62,6	61,9	66,4	67,6	68,6	69,6
Montenegro	...	54,5	53,9	57,2	56,9	57,0	...
Switzerland	71,3	73,9	74,8	78,0	78,8	78,6	...
Sweden	73,2	76,4	76,2	79,9	80,1	80,7	81,0

INTERNATIONAL COMPARISONS

27.6. Labour force of men aged 15–64 year old*(percent)*

	2000	2005	2010	2015	2016	2017	2018
Ukraine	71,8	71,6	72,4	72,6	72,8	73,1	73,4
Austria	79,1	76,6	78,5	78,3	79,2	79,2	79,6
Azerbaijan	88,0	78,7	72,6	73,3	74,5	74,8	...
Albania	...	...	77,8	72,6	74,6	77,0	...
Belgium	73,7	73,9	73,2	71,7	71,8	71,9	72,1
Belarus	73,6	...	...	81,7	80,8	82,0	...
Bulgaria	65,7	66,3	71,1	73,0	72,5	75,3	75,7
United Kingdom of Great Britain and Northern Ireland	81,1	80,5	79,8	80,5	80,8	80,6	80,9
Armenia	...	...	71,7	64,8	62,2	63,0	...
Greece	74,3	77,3	76,8	76,4	76,8	76,9	76,8
Georgia	70,5	74,6	76,4	80,0	80,3	78,5	...
Denmark	83,1	83,1	81,0	79,8	79,9	80,3	80,8
Estonia	74,6	72,5	76,4	79,8	81,3	82,0	82,0
Israel	67,2	66,9	68,1	75,9	75,5	75,4	...
Ireland	78,8	80,1	78,7	78,9	79,1	78,8	78,7
Iceland	85,3	83,4	83,0	84,8	86,3	85,3	84,6
Spain	76,8	80,6	80,1	79,1	78,6	78,3	78,3
Italy	74,2	74,3	73,5	73,9	74,5	74,7	74,8
Kazakhstan	...	80,1	79,9	80,8	81,9	81,6	...
Canada	79,9	80,3	79,2	79,7	79,6	79,4	...
Kyrgyzstan	72,5	78,6	80,4	78,7	78,6	78,3	...
Cyprus	75,8	80,3	74,9	74,4	73,9	75,2	76,1
Latvia	73,2	72,6	74,8	77,4	77,5	78,1	78,9
Lithuania	75,0	73,0	73,2	75,9	77,1	77,2	78,8
Luxembourg	75,0	73,3	73,0	74,0	73,0	72,3	72,9

INTERNATIONAL COMPARISONS

Table 27.6 continued

	2000	2005	2010	2015	2016	2017	2018
Malta	80,2	77,6	76,8	80,9	81,8	83,0	84,3
Netherlands	83,2	81,6	82,2	83,3	83,1	83,0	83,4
Germany	77,1	79,6	80,5	80,6	81,7	82,2	82,2
Norway	83,3	80,4	80,3	80,0	79,8	79,0	80,0
North Macedonia	70,2	72,4	77,4	77,4	77,8	78,3	...
Poland	70,2	68,9	68,9	71,4	71,5	72,1	72,0
Portugal	78,5	78,8	77,8	76,4	76,9	77,7	78,0
Moldova, Republic of	...	53,2	48,5	50,3	48,8	49,0	...
Russian Federation	75,2	74,9	77,5	...	...	...	...
Romania	75,3	71,6	73,8	75,8	75,2	76,4	77,3
Serbia	...	75,4	65,5	71,7	72,9	73,5	...
Slovakia	75,4	76,1	76,7	77,7	78,5	78,5	79,0
Slovenia	71,4	74,8	75,3	75,3	74,2	76,8	77,8
USA	79,2	78,0	75,8	74,4	74,9	74,9	...
Turkey	71,8	71,5	71,0	74,3	74,8	75,7	75,7
Hungary	65,6	66,3	66,0	73,7	75,4	76,5	77,3
Finland	78,6	75,7	75,8	76,3	76,9	77,8	78,8
France	70,5	71,1	70,9	73,3	73,4	73,7	74,0
Croatia	...	66,2	70,6	71,4	70,3	71,7	71,3
Czechia	77,9	78,5	79,2	81,4	82,1	82,8	83,2
Montenegro	...	69,8	69,6	68,1	70,2	70,7	...
Switzerland	89,0	86,8	86,8	87,0	87,1	87,3	...
Sweden	77,0	80,9	81,8	83,5	83,8	84,3	84,4

INTERNATIONAL COMPARISONS

27.7. Unemployment rate*(percentage of economically active population)*

	2000	2005	2010	2015	2016	2017	2018
Ukraine¹	11,6	7,2	8,1	9,1	9,3	9,5	8,8
Austria	3,9	5,6	4,8	5,7	6,0	5,5	4,9
Azerbaijan	11,8	7,3	5,6	5,0	5,0	5,0	...
Albania	16,8	14,1	14,0	17,1	15,2	13,8	...
Belgium	6,9	8,5	8,3	8,5	7,8	7,1	6,0
Belarus	...	...	...	5,2	5,8	5,6	...
Bulgaria	16,4	10,1	10,3	9,2	7,6	6,2	5,2
Bosnia and Herzegovina	...	...	27,2	27,7	25,4	20,5	...
United Kingdom of Great Britain and Northern Ireland	5,4	4,8	7,8	5,3	4,8	4,3	4,0
Armenia	...	31,2	19,0	18,5	18,0	17,8	...
Greece	11,2	10,0	12,7	24,9	23,6	21,5	19,3
Georgia	10,3	15,1	17,4	14,1	14,0	13,9	...
Denmark	4,3	4,8	7,7	6,3	6,0	5,8	5,1
Estonia	14,6	8,0	16,7	6,2	6,8	5,8	5,4
Israel	8,8	9,0	6,6	5,2	4,8	4,2	...
Ireland	4,5	4,6	14,6	10,0	8,4	6,7	5,8
Iceland	2,3	2,6	7,6	4,0	3,0	2,8	2,7
Spain	11,9	9,2	19,9	22,1	19,6	17,2	15,3
Italy	10,0	7,7	8,4	11,9	11,7	11,2	10,6
Kazakhstan	12,8	8,1	5,8	5,0	5,0	4,9	...
Canada	6,8	6,8	8,1	6,9	7,0	6,3	...
Kyrgyzstan	7,5	8,1	8,6	7,6	7,2	6,9	...
Cyprus	4,8	5,3	6,3	15,0	13,0	11,1	8,4
Latvia	14,3	10,0	19,5	9,9	9,6	8,7	7,4
Lithuania	16,4	8,3	17,8	9,1	7,9	7,1	6,2
Luxembourg	2,2	4,6	4,6	6,5	6,3	5,6	5,5

INTERNATIONAL COMPARISONS

Table 27.7 continued

	2000	2005	2010	2015	2016	2017	2018
Malta	6,7	6,9	6,8	5,4	4,7	4,0	3,7
Netherlands	3,7	5,9	5,0	6,9	6,0	4,9	3,8
Germany	7,9	11,2	7,0	4,6	4,1	3,8	3,4
Norway	3,2	4,5	3,7	4,5	4,8	4,2	3,9
North Macedonia	32,2	37,3	32,0	26,1	...	...	...
Poland	16,1	17,9	9,7	7,5	6,2	4,9	3,9
Portugal	5,1	8,8	12,0	12,6	11,2	9,0	7,0
Moldova, Republic of	8,5	7,3	7,4	5,0	4,2	4,1	...
Russian Federation	10,6	7,1	7,3	...	...	...	...
Romania	7,6	7,1	7,0	6,8	5,9	4,9	4,2
Serbia	12,1	20,8	19,2	17,7	15,3	13,5	...
Slovakia	18,9	16,4	14,5	11,5	9,7	8,1	6,5
Slovenia	6,7	6,5	7,3	9,0	8,0	6,6	5,1
USA	4,0	5,1	9,6	5,3	4,9	4,4	3,9
Tajikistan	2,7	1,9	2,1	2,3	2,3	...	...
Turkey	5,2	9,5	11,1	10,3	10,9	10,9	11,0
Hungary	6,3	7,2	11,2	6,8	5,1	4,2	3,7
Uzbekistan	...	...	5,4	5,2	5,2	5,8	...
Finland	9,8	8,4	8,4	9,4	8,8	8,6	7,4
France	8,6	8,9	9,3	10,4	10,1	9,4	9,1
Croatia	16,1	13,0	11,8	16,1	13,4	11,0	8,4
Czechia	8,8	7,9	7,3	5,1	4,0	2,9	2,2
Montenegro	...	30,3	19,7	17,6	17,7	16,1	...
Switzerland	2,7	4,5	4,6	4,4	4,6	4,4	...
Sweden	5,6	7,7	8,6	7,4	6,9	6,7	6,3

¹ For population aged 15–70

INTERNATIONAL COMPARISONS

27.8. Average monthly wages of employees*(USD)*

	2000	2005	2010	2015	2016	2017
Ukraine	42,3	157,3	283,5	192,0	202,8	267,1
Austria	2151,2	3296,4	4025,4	3788,1	3873,3	4034,2
Azerbaijan	49,5	130,7	413,0	455,7	313,2	307,1
Albania	92,9	200,2	334,7	303,1	300,8	...
Belgium	2391,5	3615,3	4295,0	3957,0	3989,7	4127,2
Belarus	67,2	215,3	408,7	421,6	...	...
Bulgaria	...	...	437,5	500,2	537,5	...
Bosnia and Herzegovina	253,9	506,8	823,9	730,9	735,7	761,2
United Kingdom of Great Britain and Northern Ireland	2842,9	4039,8	4009,9	4276,0	3879,9	3776,0
Armenia	42,1	113,8	274,7	359,1	363,1	404,1
Greece	1070,0	1949,6	2362,2	1616,6	1597,6	1632,1
Georgia	36,6	112,7	335,3	396,8	397,2	398,1
Denmark	2766,2	4440,4	5674,3	5245,9	5341,6	5487,1
Estonia	290,0	642,0	1050,0	1181,6	1268,5	1379,4
Israel	1665,6	1608,6	2205,7	2404,8	2488,7	2735,0
Ireland	2412,9	4379,2	5237,1	4172,0	4229,3	4435,6
Iceland	2875,9	5486,6	3529,4	4656,4	5526,6	...
Spain	1435,0	2271,8	2988,5	2606,9	2589,2	2642,0
Italy	1638,6	2581,1	3072,2	2674,4	2691,2	2750,2
Kazakhstan	101,1	256,3	526,7	568,4	417,6	462,7
Canada	2301,6	3247,0	4433,9	4148,0	4019,4	4174,4
Kyrgyzstan	25,7	63,7	156,4	209,2	212,4	223,3
Cyprus	...	1942,0	2538,4	2088,8	2079,2	2137,6
Latvia	...	435,4	839,2	907,6	950,8	1046,1
Lithuania	259,7	459,8	763,3	791,6	856,3	948,3
Luxemburg	3118,3	4885,6	6084,7	5674,9	5670,1	5988,8

INTERNATIONAL COMPARISONS

Table 27.8 continued

	2000	2005	2010	2015	2016	2017
Malta	941,2	1485,7	2100,8	...	...	...
Netherlands	2452,8	3888,2	4718,6	4241,9	4276,7	4401,6
Germany	2154,3	3159,0	3620,0	3476,1	3541,0	3713,6
Norway	2630,8	4485,0	6061,4	5408,5	5279,6	5492,0
North Macedonia	273,0	433,0	651,4	579,3	589,8	618,0
Poland	509,3	812,0	1124,0	1009,1	1008,1	1122,5
Portugal	972,6	1544,9	1850,7	1529,0	1552,1	1604,3
Moldova, Republic of	32,8	104,7	240,3	241,2	250,8	302,0
Russian Federation	79,0	302,5	689,9	...	...	...
Romania	133,4	331,9	609,5	638,8	711,6	819,4
Serbia	69,5	382,4	610,4	561,9	570,4	612,3
Slovakia	416,0	831,9	1203,8	1142,8	1174,7	1242,7
Slovenia	...	1744,6	2385,3	2066,4	2118,5	2230,9
USA	3247,0	3780,3	4365,4	4915,1	4973,4	5046,5
Tajikistan	7,7	27,0	80,8	142,6	...	...
Turkey	...	...	1004,0	...	1095,6	...
Hungary	372,6	947,4	1127,7	885,0	917,0	1045,2
Finland	2039,1	3213,3	4053,7	3762,5	3810,3	3906,1
France	1963,3	3086,8	3746,9	3367,9	3397,6	3541,8
Croatia	588,4	1050,3	1396,5	1109,0	1139,1	1219,2
Czechia	365,5	832,2	1273,4	1089,1	1147,1	1285,6
Montenegro	...	406,2	947,9	804,4	831,3	864,2
Switzerland	3575,9	5273,0	6900,1	7540,7	7338,9	7351,7
Sweden	2279,2	3232,3	3995,7	3843,7	3889,4	3990,4

INTERNATIONAL COMPARISONS

27.9. GDP¹*(USD bln. at purchasing power parities of 2010)*

	2000	2005	2010	2015	2016	2017	2018
Ukraine	...	738,3	747,7	666,3	682,5	699,4	723,2
Austria	288,1	314,4	335,5	353,6	361,0	370,0	378,9
Azerbaijan	51,6	97,1	207,5	233,2	225,9	226,2	229,3
Albania	15,8	21,1	27,2	29,8	30,7	31,9	33,2
Belgium	343,6	378,3	407,2	434,4	440,9	449,6	456,1
Belarus	124,4	178,3	253,3	268,7	262,1	268,8	277,0
Bulgaria	80,6	106,4	124,7	136,2	141,4	146,4	150,9
Bosnia and Herzegovina	24,6	30,5	35,1	37,5	38,6	39,9	41,3
United Kingdom of Great Britain and Northern Ireland	1921,4	2208,8	2263,8	2502,3	2550,3	2598,6	2633,4
Armenia	10,0	18,2	22,0	27,2	27,3	29,3	30,8
Greece	267,9	324,1	318,8	260,6	260,1	264,0	269,1
Georgia	18,6	26,5	34,3	43,6	44,9	47,1	49,3
Denmark	195,7	209,1	211,3	225,3	232,6	237,4	243,0
Estonia	21,1	30,0	29,5	34,8	35,7	37,7	39,5
Israel	172,0	190,0	235,0	279,6	290,7	300,4	...
Ireland	125,2	162,3	165,8	229,6	238,1	257,5	278,5
Iceland	13,4	16,5	17,5	20,1	21,4	22,3	23,4
Spain	1130,8	1329,1	1394,0	1392,2	1434,4	1475,9	1510,6
Italy	1826,5	1911,6	1884,2	1821,1	1844,4	1876,0	1890,6
Kazakhstan	280,6	459,6	621,1	791,5	800,2	832,4	...
Canada	1150,4	1301,8	1372,8	1525,9	1538,4	1591,5	1627,2
Kyrgyzstan	15,9	19,2	23,8	30,1	31,4	32,9	34,1
Cyprus	19,3	23,6	26,9	24,7	26,3	27,5	28,6
Latvia	28,4	42,0	41,0	48,8	49,7	51,6	54,0
Lithuania	42,1	60,7	64,2	77,4	79,3	82,7	85,7
Luxemburg	32,5	37,6	42,5	48,9	51,2	52,1	53,7

INTERNATIONAL COMPARISONS

Table 27.9 continued

	2000	2005	2010	2015	2016	2017	2018
Malta	9,4	10,4	11,5	15,2	16,1	17,1	18,3
Netherlands	622,4	665,3	712,5	739,5	755,7	777,7	797,9
Germany	2697,9	2770,9	2938,4	3203,0	3274,4	3355,1	3406,4
Norway	246,1	274,4	287,8	313,5	316,9	324,3	328,4
North Macedonia	16,9	18,6	22,7	25,6	26,3	26,4	27,3
Poland	526,7	613,2	773,9	898,3	925,8	971,5	1021,5
Portugal	251,4	262,5	270,4	259,2	264,5	273,7	280,4
Moldova, Republic of	12,3	17,3	29,4	35,3	36,8	38,6	40,1
Russian Federation	2442,7	3290,7	3916,4	...	...	...	...
Romania	249,2	327,9	377,0	436,5	457,4	489,9	511,7
Serbia	76,0	103,8	120,3	125,6	129,8	132,4	138,3
Slovakia	74,4	95,0	120,6	137,0	140,0	144,2	150,0
Slovenia	45,6	54,3	59,6	60,8	62,7	65,8	68,5
USA	12620,3	14332,5	14992,1	16726,9	17000,9	17403,8	17913,3
Tajikistan	16,4	26,1	35,7	47,7	51,1	54,7	58,6
Turkey	938,0	1185,1	1389,9	1958,9	2021,3	2172,3	2233,7
Turkmenistan	47,2	60,6	99,2	163,6	173,7	185,0	...
Hungary	169,7	210,4	208,3	230,5	235,6	245,8	258,3
Uzbekistan	170,9	221,8	333,8	188,9	164,0	142,3	...
Finland	161,2	183,4	192,1	192,8	198,1	204,2	207,8
France	1922,5	2090,0	2177,2	2291,4	2316,5	2368,9	2409,8
Croatia	62,8	78,3	80,3	79,7	82,5	85,0	87,3
Czechia	199,1	241,2	272,1	295,7	303,0	316,2	325,2
Montenegro	...	7,1	8,8	9,6	9,9	10,4	10,9
Switzerland	301,2	324,1	361,0	392,1	398,8	406,0	417,2
Sweden	301,5	343,2	376,6	418,3	428,4	438,7	448,5

¹ Here and elsewhere (Tables 27.10, 27.11) estimated data from Statistics Division of United Nations Economic Commission for Europe

INTERNATIONAL COMPARISONS

27.10. GDP annual growth rate (decrease)¹*(percent of the previous year; at the 2010 PPPs)*

	2000	2005	2010	2015	2016	2017	2018
Ukraine²	5,9	3,1	0,3	-9,8	2,4	2,5	3,4
Austria	3,4	2,2	1,8	1,0	2,1	2,5	2,4
Azerbaijan	11,1	26,4	5,0	1,1	-3,1	0,2	1,4
Albania	6,9	5,5	3,7	2,2	3,3	3,8	4,1
Belgium	3,7	2,3	2,9	2,0	1,5	2,0	1,5
Belarus	...	9,4	7,8	-3,8	-2,5	2,5	3,0
Bulgaria	4,8	7,2	0,6	4,0	3,8	3,5	3,1
Bosnia and Herzegovina	5,4	3,9	0,9	3,1	3,1	3,2	3,6
United Kingdom of Great Britain and Northern Ireland	3,4	3,2	2,0	2,4	1,9	1,9	1,3
Armenia	5,9	13,9	2,2	3,2	0,2	7,5	5,2
Greece	3,9	0,6	-5,5	-0,4	-0,2	1,5	1,9
Georgia	-3,2	9,6	6,2	3,0	2,9	4,8	4,8
Denmark	3,7	2,3	1,9	2,3	3,2	2,0	2,4
Estonia	10,1	9,5	2,7	1,8	2,6	5,7	4,8
Israel	8,8	4,1	5,5	2,6	4,0	3,3	...
Ireland	9,4	5,7	1,8	25,2	3,7	8,1	8,2
Iceland	4,9	6,3	-3,4	4,7	6,6	4,4	4,8
Spain	5,2	3,7	0,2	3,8	3,0	2,9	2,4
Italy	3,8	0,8	1,7	0,8	1,3	1,7	0,8
Kazakhstan	9,8	9,7	7,3	1,2	1,1	4,0	...
Canada	5,5	3,2	2,9	0,6	0,8	3,5	2,2
Kyrgyzstan	5,4	-0,2	-0,5	3,9	4,3	4,7	3,8
Cyprus	6,0	4,9	2,0	3,4	6,7	4,4	4,1
Latvia	5,6	10,7	-4,5	3,3	1,8	3,8	4,6
Lithuania	3,8	7,7	1,5	2,0	2,6	4,2	3,6
Luxemburg	8,2	3,2	4,9	4,3	4,6	1,8	3,1
Malta	...	3,8	3,5	10,9	5,8	6,7	7,0
Netherlands	4,2	2,1	1,3	2,0	2,2	2,9	2,6

INTERNATIONAL COMPARISONS

Table 27.10 continued

	2000	2005	2010	2015	2016	2017	2018
Germany	2,9	0,7	4,2	1,7	2,2	2,5	1,5
Norway	3,2	2,6	0,7	2,0	1,1	2,3	1,3
North Macedonia	...	4,7	3,4	3,9	2,8	1,1	2,7
Poland	4,6	3,5	3,6	3,8	3,1	4,9	5,1
Portugal	3,8	0,8	1,7	1,8	2,0	3,5	2,4
Moldova, Republic of	2,1	7,5	7,1	-0,3	4,4	4,7	4,0
Russian Federation	10,0	6,4	4,5	...	...	...	...
Romania	2,5	4,7	-3,9	3,9	4,8	7,1	4,4
Serbia	6,1	5,5	0,7	1,8	3,3	2,0	4,4
Slovakia	1,2	6,6	5,7	4,8	2,1	3,0	4,0
Slovenia	3,7	3,8	1,3	2,2	3,1	4,8	4,1
USA	4,1	3,5	2,6	2,9	1,6	2,4	2,9
Tajikistan	8,3	6,7	6,5	6,0	6,9	7,1	7,1
Turkey	6,6	9,0	8,5	6,1	3,2	7,5	2,8
Turkmenistan	5,5	13,0	9,2	6,5	6,2	6,5	...
Hungary	4,5	4,2	0,7	3,8	2,2	4,3	5,1
Uzbekistan	3,8	7,0	8,5	-11,2	-13,2	-13,2	...
Finland	5,8	2,8	3,2	0,5	2,7	3,1	1,7
France	3,9	1,7	1,9	1,1	1,1	2,3	1,7
Croatia	3,3	4,3	-1,5	2,4	3,5	3,1	2,7
Czechia	4,3	6,5	2,3	5,3	2,5	4,4	2,8
Montenegro	...	...	2,7	3,4	2,9	4,7	5,1
Switzerland	3,9	3,1	3,0	1,3	1,7	1,8	2,8
Sweden	4,9	2,9	6,2	4,4	2,4	2,4	2,2

¹ See the footnote to Table 27.9

² The SSSU calculations: for 2000, in line with the SNA-93; since 2005, according to the Methodological provisions on the updated version of the System of National Accounts 2008 approved by SSSU decree № 398 of December 17, 2013; since 2014, excluding the temporarily occupied territory of the Autonomous Republic of Crimea and the city of Sevastopol and a part of the temporarily occupied territories in the Donetsk and Luhansk regions; for 2018, data are preliminary

INTERNATIONAL COMPARISONS

27.11. GDP per capita¹*(thsd. USD; at the 2010 PPPs)*

	2000	2005	2010	2015	2016	2017	2018
Ukraine	...	15,7	16,3	15,6	16,0	16,5	17,1
Austria	36,0	38,2	40,1	41,0	41,3	42,1	43,0
Azerbaijan	6,4	11,4	22,9	24,2	23,2	23,0	23,1
Albania	5,1	7,0	9,3	10,3	10,7	11,1	11,6
Belgium	33,5	36,1	37,4	38,5	38,9	39,5	39,9
Belarus	12,5	18,5	26,7	28,3	27,6	28,4	29,3
Bulgaria	9,9	13,7	16,6	19,0	19,8	20,7	21,5
Bosnia and Herzegovina	6,5	7,9	9,1	10,6	11,0	11,4	11,8
United Kingdom of Great Britain and Northern Ireland	32,6	36,6	36,1	38,4	38,8	39,3	39,6
Armenia	3,1	5,8	7,2	9,1	9,1	9,8	10,4
Greece	24,8	29,5	28,7	24,1	24,1	24,6	25,1
Georgia	4,6	6,8	9,0	11,7	12,0	12,6	13,2
Denmark	36,7	38,6	38,1	39,7	40,6	41,2	41,9
Estonia	15,0	22,1	22,1	26,5	27,1	28,7	30,0
Israel	27,0	27,2	30,5	33,0	33,7	34,1	...
Ireland	32,9	39,0	36,4	48,9	50,1	53,6	57,3
Iceland	47,8	55,8	54,9	60,6	63,8	65,0	66,4
Spain	27,9	30,4	29,9	30,0	30,9	31,7	32,3
Italy	32,1	32,9	31,5	30,0	30,4	31,0	31,3
Kazakhstan	18,8	29,7	38,1	44,6	44,5	45,7	...
Canada	37,5	40,4	40,4	42,8	42,7	43,6	44,0
Kyrgyzstan	3,2	3,7	4,4	5,1	5,3	5,4	5,6
Cyprus	27,9	31,9	32,4	29,1	30,9	32,0	32,9
Latvia	12,0	18,8	19,5	24,7	25,4	26,6	28,0
Lithuania	12,0	18,3	20,8	26,6	27,7	29,2	30,6
Luxemburg	74,5	80,8	83,6	85,9	87,6	87,2	88,2

INTERNATIONAL COMPARISONS

Table 27.11 continued

	2000	2005	2010	2015	2016	2017	2018
Malta	24,1	25,8	27,8	34,1	35,2	36,6	37,8
Netherlands	39,1	40,8	42,9	43,7	44,4	45,4	46,3
Germany	33,1	34,1	36,6	39,2	39,8	40,6	41,1
Norway	54,8	59,4	58,9	60,4	60,5	61,5	61,8
North Macedonia	8,3	9,2	11,0	12,4	12,7	12,8	...
Poland	13,8	16,1	20,1	23,4	24,1	25,3	26,6
Portugal	24,4	25,0	25,6	25,0	25,6	26,6	27,3
Moldova, Republic of	...	...	8,3	9,9	10,4	10,9	11,3
Russian Federation	16,7	23,0	27,4	...	...	...	...
Romania	11,1	15,4	18,6	22,0	23,2	25,0	26,3
Serbia	10,1	14,0	16,5	17,7	18,4	18,9	19,8
Slovakia	13,8	17,6	22,2	25,3	25,8	26,5	27,6
Slovenia	22,9	27,1	29,1	29,5	30,4	31,8	33,1
USA	44,6	48,4	48,4	52,3	52,8	53,6	54,8
Tajikistan	2,7	3,8	4,7	5,6	5,9	6,1	6,4
Turkey	14,3	17,3	19,0	25,0	25,5	27,1	27,4
Turkmenistan	10,5	12,8	19,7	29,4	30,7	32,1	...
Hungary	16,6	20,9	20,8	23,4	24,0	25,1	26,4
Uzbekistan	7,0	8,6	12,0	6,1	5,2	4,5	...
Finland	31,2	35,0	35,8	35,2	36,0	37,1	37,7
France	31,6	33,1	33,5	34,4	34,7	35,3	35,8
Croatia	14,6	18,2	18,7	18,9	19,8	20,6	21,4
Czechia	19,4	23,6	25,9	28,1	28,7	29,9	30,6
Montenegro	...	11,5	14,1	15,3	15,8	16,5	17,3
Switzerland	41,6	43,3	46,0	47,3	47,6	48,0	49,0
Sweden	34,0	38,0	40,2	42,7	43,2	43,6	44,1

¹ See the footnote to Table 27.9

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27.12. Growth rate (decrease) of industrial production*(percentage of the previous year)*

	2000	2005	2010	2015	2016	2017	2018
Ukraine¹	13,2	3,1	12,0	-12,3	4,0	1,1	3,0
Austria	8,7	3,9	7,0	2,4	2,3	5,1	5,1
Azerbaijan	6,9	33,5	2,6	2,4	-0,5	-3,4	1,1
Albania	12,0	-0,2	37,5	-9,2	-19,6	8,6	9,5
Belgium	...	3,3	9,4	-0,7	4,5	2,7	1,3
Belarus	7,5	10,0	11,7	-6,6	-0,4	6,1	5,7
Bulgaria	...	6,9	2,0	2,9	2,7	3,4	0,3
Bosnia and Herzegovina	...	...	4,4	3,1	4,4	3,2	1,6
United Kingdom of Great Britain and Northern Ireland	1,9	-0,6	2,6	1,0	1,2	2,0	0,4
Armenia	6,4	7,5	9,7	5,2	6,7	12,6	4,3
Greece	...	-1,5	-6,1	1,0	2,7	4,1	1,8
Georgia	10,8	30,6	14,6	7,7	3,3	5,7	3,6
Denmark	...	2,9	2,1	0,1	4,2	2,0	2,0
Estonia	14,6	10,9	23,4	0,3	3,4	4,1	4,0
Israel	10,0	4,9	9,5	2,2	1,7	3,6	3,5
Ireland	14,6	4,0	8,2	35,9	1,8	-2,3	-4,9
Spain	4,0	0,2	0,8	3,3	1,5	2,9	1,0
Italy	3,2	-1,8	6,9	1,7	1,4	3,1	1,4
Kazakhstan	15,5	5,0	10,0	-1,6	-1,1	7,1	4,1
Canada	8,6	2,0	4,8	-0,6	0,5	...	...
Kyrgyzstan	6,0	-12,1	9,8	-4,4	4,9	11,5	5,4
Cyprus	...	0,5	-1,8	5,2	9,6	8,0	6,8
Latvia	...	7,2	14,9	3,6	5,4	8,4	1,5
Lithuania	-0,2	7,1	6,2	4,4	2,8	7,0	4,8
Luxemburg	...	2,2	9,0	1,4	0,2	3,3	-1,0

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Table 27.12 continued

	2000	2005	2010	2015	2016	2017	2018
Malta	...	-5,6	8,7	-0,4	-7,4	8,6	1,7
Netherlands	...	0,4	7,7	-3,6	1,4	1,1	0,6
Germany	5,1	3,0	11,2	1,4	1,3	2,8	1,0
Norway	3,1	0,1	-5,6	1,4	-1,2	-0,3	-1,8
North Macedonia	...	7,0	-4,8	4,9	3,4	0,2	5,4
Poland	...	4,4	11,2	4,8	2,8	6,6	5,9
Portugal	...	5,1	1,5	2,4	1,8	3,4	0,4
Moldova, Republic of	7,7	7,0	9,3	0,6	0,9	3,4	3,7
Russian Federation	8,8	5,1	7,3	...	...	...	...
Romania	...	-3,1	5,5	2,8	3,1	7,9	3,5
Serbia	...	0,7	1,2	7,3	5,2	3,9	1,3
Slovakia	...	-0,9	12,3	6,7	4,7	3,2	4,4
Slovenia	6,2	3,4	7,2	5,6	6,6	7,7	5,1
USA	3,9	3,3	5,6	-0,7	-1,2	...	...
Tajikistan	9,9	9,7	9,2	11,3	16,5	21,7	8,5
Turkey	6,0	14,0	13,2	6,2	3,4	9,1	1,1
Hungary	...	6,8	10,6	7,4	0,9	4,7	3,5
Uzbekistan	6,0	7,0	8,5	7,9	6,2	8,0	16,6
Finland	8,5	-0,9	5,6	-0,9	4,2	3,2	3,4
France	4,3	0,1	4,8	1,7	0,7	2,1	0,7
Croatia	1,4	4,5	-1,4	2,7	5,3	1,4	-1,0
Czechia	...	4,0	8,6	4,3	3,4	6,5	3,1
Montenegro	...	...	...	7,9	-2,9	-4,2	22,4
Switzerland	8,4	3,3	4,2	-2,4	0,0	5,1	5,4
Sweden	...	2,4	9,4	3,6	1,8	4,3	2,4

¹ See methodology notes to Chapter 17

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27.13. Changes in consumer price*(percentage of the previous year)*

	2000	2005	2010	2015	2016	2017	2018
Ukraine	28,2	13,5	9,4	48,7	13,9	14,4	10,9
Austria	2,4	2,3	1,8	0,9	0,9	2,1	2,0
Azerbaijan	1,8	9,6	5,7	4,0	12,4	12,8	...
Albania	0,1	2,4	3,6	1,9	1,3	2,0	2,0
Belgium	2,5	2,8	2,2	0,6	2,0	2,1	2,1
Belarus	168,9	10,4	7,7	13,6	11,9	6,2	...
Bulgaria	10,3	5,0	2,4	-0,1	-0,8	2,1	2,8
Bosnia and Herzegovina	1,7	3,8	2,0	-1,0	-1,6	0,8	1,4
United Kingdom of Great Britain and Northern Ireland	0,8	2,0	3,3	0,0	0,6	2,7	2,5
Armenia	-0,8	0,6	8,2	3,7	-1,4	1,0	2,5
Greece	3,2	3,5	4,7	-1,7	-0,8	1,1	0,6
Georgia	4,1	8,3	7,1	4,0	2,1	6,0	2,6
Denmark	2,9	1,8	2,3	0,5	0,2	1,1	0,8
Estonia	4,0	4,1	3,0	-0,5	0,1	3,4	3,4
Israel	1,0	1,3	2,7	-0,6	-0,5	0,2	0,8
Ireland	5,5	2,4	-0,9	-0,3	0,0	0,3	0,5
Iceland	5,1	4,0	5,4	1,6	1,7	1,8	2,7
Spain	3,4	3,4	1,8	-0,5	-0,2	2,0	1,7
Italy	2,5	2,0	1,5	0,0	-0,1	1,2	1,1
Kazakhstan	12,5	7,7	7,4	6,7	14,4	7,4	6,2
Canada	2,7	2,2	1,8	1,1	1,4	1,6	2,3
Kyrgyzstan	19,7	4,3	8,0	6,5	0,4	3,2	1,5
Cyprus	4,3	2,6	2,4	-2,1	-1,4	0,5	1,4
Latvia	2,6	6,7	-1,1	0,2	0,1	2,9	2,5
Lithuania	1,0	2,7	1,3	-0,9	0,9	3,7	2,7
Luxemburg	3,2	2,5	2,3	0,5	0,3	1,7	1,5

INTERNATIONAL COMPARISONS

Table 27.13 continued

	2000	2005	2010	2015	2016	2017	2018
Malta	2,4	3,0	1,5	1,1	0,6	...	...
Netherlands	2,4	1,7	1,3	0,6	0,3	1,4	1,7
Germany	1,5	1,5	1,1	0,5	0,5	1,5	1,7
Norway	3,1	1,5	2,4	2,2	3,6	1,9	2,8
North Macedonia	8,0	0,5	1,5	-0,3	-0,2	1,4	1,5
Poland	10,5	2,2	2,6	-0,9	-0,7	2,1	1,8
Portugal	2,9	2,3	1,4	0,5	0,6	1,4	1,0
Moldova, Republic of	30,3	12,0	7,5	9,7	6,4	6,6	3,0
Russian Federation	20,8	12,7	6,8	...	...	...	...
Romania	45,7	9,0	6,1	-0,6	-1,5	1,3	4,6
Serbia	71,1	16,1	6,1	1,4	1,1	3,1	2,0
Slovakia	12,2	2,7	1,0	-0,3	-0,5	1,3	2,5
Slovenia	9,0	2,5	1,8	-0,5	-0,1	1,4	1,7
USA	3,4	3,4	1,6	0,1	1,3	2,1	2,4
Tajikistan	32,9	7,2	6,4	5,7	6,0	11,5	...
Turkey	65,5	8,2	8,6	7,7	7,8	11,1	16,3
Hungary	9,8	3,6	4,9	-0,1	0,4	2,3	2,8
Finland	3,6	0,6	1,2	-0,2	0,4	0,8	1,1
France	1,7	1,7	1,5	0,0	0,2	1,0	1,9
Croatia	4,6	3,3	1,0	-0,5	-1,1	1,1	1,5
Czechia	3,9	1,9	1,5	0,3	0,7	2,4	2,1
Montenegro	...	2,6	0,7	1,5	-0,3	2,4	2,6
Switzerland	1,6	1,2	0,7	-1,1	-0,4	0,5	0,9
Sweden	1,0	0,5	1,2	0,0	1,0	1,8	2,0

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27.14. Changes in industrial producer price*(percentage of the previous year)*

	2000	2005	2010	2015	2016	2017	2018
Ukraine	20,8	16,7	20,9	36,0	20,5	26,4	17,4
Austria	...	3,4	4,0	-2,1	-2,5	1,9	3,0
Azerbaijan	27,5	16,5	26,9	-30,7	27,7	37,0	...
Belgium	...	5,7	5,4	-4,2	-1,8	8,9	7,1
Belarus	185,6	12,1	13,6	16,9	12,4	10,2	...
Bulgaria	...	7,3	7,2	-1,7	-2,8	4,2	4,1
Bosnia and Herzegovina	0,9	-0,4	1,0	0,6	-2,3	3,4	...
United Kingdom of Great Britain and Northern Ireland	2,4	10,6	5,4	-7,6	-0,4	6,3	5,7
Armenia	-22,2	7,6	22,6	-0,8	1,5	2,2	0,1
Greece	...	5,8	6,1	-5,8	-5,4	4,2	3,3
Georgia	6,4	7,4	11,3	7,5	-0,1	11,0	6,1
Denmark	...	9,1	6,4	-6,5	-1,5	3,3	6,4
Estonia	...	1,7	1,7	-2,8	-2,1	3,3	7,1
Israel	3,6	6,2	4,0	-5,9	-3,6	1,5	3,4
Ireland	...	...	1,5	-4,3	0,4	-0,4	-2,0
Spain	5,4	4,7	3,7	-2,0	-3,1	4,4	3,0
Italy	...	4,0	3,1	-3,4	-2,2	2,6	3,9
Kazakhstan	36,2	23,7	25,2	-20,5	16,8	15,3	19,0
Canada	4,2	1,6	1,5	-0,8	-0,2	3,1	3,8
Kyrgyzstan	32,0	3,1	22,8	8,7	6,4	1,7	1,5
Cyprus	...	4,9	4,0	-5,7	-4,7	3,7	3,0
Latvia	...	7,1	-0,2	-1,4	-3,3	2,2	5,5
Lithuania	10,3	6,0	3,9	-9,1	-3,5	4,0	4,2
Luxemburg	...	3,6	1,5	-0,5	-2,5	-2,0	0,5

INTERNATIONAL COMPARISONS

Table 27.14 continued

	2000	2005	2010	2015	2016	2017	2018
Malta	...	5,0	11,5	-3,2	-0,1	0,5	0,8
Netherlands	...	6,8	4,2	-4,4	-2,5	4,4	3,0
Germany	2,9	4,4	1,3	-1,7	-1,6	2,4	2,6
Norway	...	6,1	8,5	-4,6	-0,3	2,9	8,7
North Macedonia	...	3,2	8,6	-3,9	-0,2	0,8	-0,3
Poland	...	2,0	3,7	-2,3	0,0	4,8	2,8
Portugal	...	10,1	4,3	-6,4	-1,7	3,6	2,4
Moldova, Republic of	33,5	5,9	7,4	6,3	4,6	3,4	...
Russian Federation	46,5	20,7	12,6	...	...	...	...
Romania	...	18,4	4,0	-1,8	-2,6	3,1	5,2
Serbia	...	14,2	12,1	0,4	0,0	3,3	2,4
Slovakia	...	3,7	-2,4	-4,2	-4,3	2,0	5,0
Slovenia	...	2,8	2,0	-0,5	-1,4	1,3	1,9
USA	8,2	7,3	4,5	-0,9	0,4	2,3	2,9
Tajikistan	39,0	10,4	34,6	4,8	6,0	15,8	...
Turkey	...	7,1	6,2	5,3	4,3	15,8	27,0
Hungary	...	6,0	7,3	-3,0	-3,1	4,6	6,2
Finland	5,1	4,2	6,6	-2,2	-1,5	2,7	3,9
France	4,7	2,8	2,6	-2,2	-2,3	2,4	2,7
Croatia	...	2,7	4,3	-3,8	-3,9	2,1	2,4
Czechia	4,8	3,0	1,2	-3,2	-3,2	1,8	2,0
Montenegro	...	2,0	-0,5	0,3	-0,4	0,3	1,8
Switzerland	...	1,6	0,6	-3,4	-1,4	-0,1	1,3
Sweden	3,6	3,8	3,0	-1,0	0,0	4,0	5,5

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